ASP.NET Core Project Walkthrough

This document explains each file with simple inline comments and concludes with a working flow summary.

# Project: AutoInsuranceSystemAPI

## Folder: .

## File: AutoInsuranceSystemAPI/AutoInsuranceSystemAPI.csproj

<Project Sdk="Microsoft.NET.Sdk.Web"> // XML element <Project> configuring project/build settings

// Blank line for readability

<PropertyGroup> // XML element <PropertyGroup> configuring project/build settings

<TargetFramework>net9.0</TargetFramework> // XML element <TargetFramework> configuring project/build settings

<Nullable>enable</Nullable> // XML element <Nullable> configuring project/build settings

<ImplicitUsings>enable</ImplicitUsings> // XML element <ImplicitUsings> configuring project/build settings

</PropertyGroup> // XML/project configuration line

// Blank line for readability

<ItemGroup> // XML element <ItemGroup> configuring project/build settings

<PackageReference Include="Microsoft.AspNetCore.OpenApi" Version="9.0.5" /> // Adds NuGet package dependency 'Microsoft.AspNetCore.OpenApi' version 9.0.5

<PackageReference Include="Microsoft.EntityFrameworkCore.SqlServer" Version="9.0.0" /> // Adds NuGet package dependency 'Microsoft.EntityFrameworkCore.SqlServer' version 9.0.0

<PackageReference Include="Swashbuckle.AspNetCore" Version="6.5.0" /> // Adds NuGet package dependency 'Swashbuckle.AspNetCore' version 6.5.0

</ItemGroup> // XML/project configuration line

// Blank line for readability

</Project> // XML/project configuration line

## File: AutoInsuranceSystemAPI/Program.cs

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

// Blank line for readability

var builder = WebApplication.CreateBuilder(args); // Code statement that contributes to the application's behavior

// Blank line for readability

// Add services to the container. // Code statement that contributes to the application's behavior

// Blank line for readability

builder.Services.AddControllers(); // Code statement that contributes to the application's behavior

// Blank line for readability

builder.Services.AddEndpointsApiExplorer(); // Code statement that contributes to the application's behavior

builder.Services.AddSwaggerGen(options => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

options.SwaggerDoc("v1", new Microsoft.OpenApi.Models.OpenApiInfo // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Title = "Auto Insurance Admin API", // Code statement that contributes to the application's behavior

Version = "v1" // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

builder.Services.AddDbContext<AutoInsuranceSystemAPI.Data.AutoInsuranceApiDbContext>(options => // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

options.UseSqlServer(builder.Configuration.GetConnectionString("SqlCon")); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

builder.Services.AddScoped<AutoInsuranceSystemAPI.Services.IPolicyService, AutoInsuranceSystemAPI.Services.PolicyService>(); // Code statement that contributes to the application's behavior

// Blank line for readability

var app = builder.Build(); // Code statement that contributes to the application's behavior

// Blank line for readability

// Configure the HTTP request pipeline. // Code statement that contributes to the application's behavior

app.UseSwagger(); // Code statement that contributes to the application's behavior

app.UseSwaggerUI(c => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

c.SwaggerEndpoint("/swagger/v1/swagger.json", "Auto Insurance Admin API v1"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

app.UseHttpsRedirection(); // Code statement that contributes to the application's behavior

// Blank line for readability

app.UseAuthorization(); // Code statement that contributes to the application's behavior

// Blank line for readability

app.MapControllers(); // Code statement that contributes to the application's behavior

// Blank line for readability

app.Run(); // Code statement that contributes to the application's behavior

## File: AutoInsuranceSystemAPI/WeatherForecast.cs

namespace AutoInsuranceSystemAPI // Declares the namespace AutoInsuranceSystemAPI to logically group related code

{ // Code statement that contributes to the application's behavior

public class WeatherForecast // Declares class WeatherForecast

{ // Code statement that contributes to the application's behavior

public DateOnly Date { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

public int TemperatureC { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

public int TemperatureF => 32 + (int)(TemperatureC / 0.5556); // Code statement that contributes to the application's behavior

// Blank line for readability

public string? Summary { get; set; } // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: AutoInsuranceSystemAPI/appsettings.Development.json

{ // Begins a JSON object

"Logging": { // Configures the setting 'Logging'

"LogLevel": { // Configures the setting 'LogLevel'

"Default": "Information", // Configures the setting 'Default'

"Microsoft.AspNetCore": "Warning" // JSON/config line setting application behavior

} // Ends a JSON object

} // Ends a JSON object

} // Ends a JSON object

## File: AutoInsuranceSystemAPI/appsettings.json

{ // Begins a JSON object

"Logging": { // Configures the setting 'Logging'

"LogLevel": { // Configures the setting 'LogLevel'

"Default": "Information", // Configures the setting 'Default'

"Microsoft.AspNetCore": "Warning" // JSON/config line setting application behavior

} // Ends a JSON object

}, // Ends a JSON object

"AllowedHosts": "\*", // Configures the setting 'AllowedHosts'

"ConnectionStrings": { // Configures the setting 'ConnectionStrings'

"SqlCon": "Data Source=(localdb)\\MSSQLLocalDB;Initial Catalog=AutoInsuranceSystemManagementDB;Integrated Security=True;TrustServerCertificate=True" // Configures the setting 'SqlCon'

}, // Ends a JSON object

"ApiSettings": { // Configures the setting 'ApiSettings'

"AdminApiKey": "changeme-admin-key" // Configures the setting 'AdminApiKey'

} // Ends a JSON object

} // Ends a JSON object

## Folder: Controllers

## File: AutoInsuranceSystemAPI/Controllers/PoliciesController.cs

using AutoInsuranceSystemAPI.Models; // Imports the AutoInsuranceSystemAPI.Models namespace so its types are available

using AutoInsuranceSystemAPI.Services; // Imports the AutoInsuranceSystemAPI.Services namespace so its types are available

using Microsoft.AspNetCore.Mvc; // Imports the Microsoft.AspNetCore.Mvc namespace so its types are available

// Blank line for readability

namespace AutoInsuranceSystemAPI.Controllers // Declares the namespace AutoInsuranceSystemAPI.Controllers to logically group related code

{ // Code statement that contributes to the application's behavior

[ApiController] // Marks this class as a Web API controller for automatic behaviors

[Route("api/admin/policies")] // Defines a route template "api/admin/policies" for this controller/action

public class PoliciesController : ControllerBase // Declares class PoliciesController inheriting from ControllerBase

{ // Code statement that contributes to the application's behavior

private readonly IPolicyService policyService; // Code statement that contributes to the application's behavior

// Blank line for readability

public PoliciesController(IPolicyService policyService) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

this.policyService = policyService; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public async Task<ActionResult<IEnumerable<Policy>>> GetAll() // Public method GetAll returns Task<ActionResult<IEnumerable<Policy>>> asynchronously with parameters ()

{ // Code statement that contributes to the application's behavior

var items = await policyService.GetAllAsync(); // Calls policyService to execute business logic

return Ok(items); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet("{id:int}")] // Maps this action to HTTP HttpGet "{id:int}"

public async Task<ActionResult<Policy>> GetById(int id) // Public method GetById returns Task<ActionResult<Policy>> asynchronously with parameters (int id)

{ // Code statement that contributes to the application's behavior

var policy = await policyService.GetByIdAsync(id); // Calls policyService to execute business logic

if (policy == null) return NotFound(); // Code statement that contributes to the application's behavior

return Ok(policy); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public async Task<ActionResult<Policy>> Create([FromBody] Policy policy) // Public method Create returns Task<ActionResult<Policy>> asynchronously with parameters ([FromBody] Policy policy)

{ // Code statement that contributes to the application's behavior

var created = await policyService.CreateAsync(policy); // Calls policyService to execute business logic

return CreatedAtAction(nameof(GetById), new { id = created.PolicyId }, created); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPut("{id:int}")] // Maps this action to HTTP HttpPut "{id:int}"

public async Task<IActionResult> Update(int id, [FromBody] Policy policy) // Public method Update returns Task<IActionResult> asynchronously with parameters (int id, [FromBody] Policy policy)

{ // Code statement that contributes to the application's behavior

var ok = await policyService.UpdateAsync(id, policy); // Calls policyService to execute business logic

if (!ok) return NotFound(); // Code statement that contributes to the application's behavior

return NoContent(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpDelete("{id:int}")] // Maps this action to HTTP HttpDelete "{id:int}"

public async Task<IActionResult> Delete(int id) // Public method Delete returns Task<IActionResult> asynchronously with parameters (int id)

{ // Code statement that contributes to the application's behavior

var ok = await policyService.DeleteAsync(id); // Calls policyService to execute business logic

if (!ok) return NotFound(); // Code statement that contributes to the application's behavior

return NoContent(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: AutoInsuranceSystemAPI/Controllers/WeatherForecastController.cs

using Microsoft.AspNetCore.Mvc; // Imports the Microsoft.AspNetCore.Mvc namespace so its types are available

// Blank line for readability

namespace AutoInsuranceSystemAPI.Controllers // Declares the namespace AutoInsuranceSystemAPI.Controllers to logically group related code

{ // Code statement that contributes to the application's behavior

[ApiController] // Marks this class as a Web API controller for automatic behaviors

[Route("[controller]")] // Code statement that contributes to the application's behavior

public class WeatherForecastController : ControllerBase // Declares class WeatherForecastController inheriting from ControllerBase

{ // Code statement that contributes to the application's behavior

private static readonly string[] Summaries = new[] // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

"Freezing", "Bracing", "Chilly", "Cool", "Mild", "Warm", "Balmy", "Hot", "Sweltering", "Scorching" // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

// Blank line for readability

private readonly ILogger<WeatherForecastController> \_logger; // Code statement that contributes to the application's behavior

// Blank line for readability

public WeatherForecastController(ILogger<WeatherForecastController> logger) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

\_logger = logger; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet(Name = "GetWeatherForecast")] // Maps this action to HTTP HttpGet Name = "GetWeatherForecast"

public IEnumerable<WeatherForecast> Get() // Public method Get returns IEnumerable<WeatherForecast> with parameters ()

{ // Code statement that contributes to the application's behavior

return Enumerable.Range(1, 5).Select(index => new WeatherForecast // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Date = DateOnly.FromDateTime(DateTime.Now.AddDays(index)), // Code statement that contributes to the application's behavior

TemperatureC = Random.Shared.Next(-20, 55), // Code statement that contributes to the application's behavior

Summary = Summaries[Random.Shared.Next(Summaries.Length)] // Code statement that contributes to the application's behavior

}) // Code statement that contributes to the application's behavior

.ToArray(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Data

## File: AutoInsuranceSystemAPI/Data/AutoInsuranceApiDbContext.cs

using AutoInsuranceSystemAPI.Models; // Imports the AutoInsuranceSystemAPI.Models namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

// Blank line for readability

namespace AutoInsuranceSystemAPI.Data // Declares the namespace AutoInsuranceSystemAPI.Data to logically group related code

{ // Code statement that contributes to the application's behavior

public class AutoInsuranceApiDbContext : DbContext // Declares class AutoInsuranceApiDbContext inheriting from DbContext

{ // Code statement that contributes to the application's behavior

public AutoInsuranceApiDbContext(DbContextOptions<AutoInsuranceApiDbContext> options) : base(options) { } // Uses the EF Core DbContext to query or modify the database

// Blank line for readability

public virtual DbSet<Policy> Policy { get; set; } // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Models

## File: AutoInsuranceSystemAPI/Models/Policy.cs

using System.ComponentModel.DataAnnotations; // Imports the System.ComponentModel.DataAnnotations namespace so its types are available

using System.ComponentModel.DataAnnotations.Schema; // Imports the System.ComponentModel.DataAnnotations.Schema namespace so its types are available

// Blank line for readability

namespace AutoInsuranceSystemAPI.Models // Declares the namespace AutoInsuranceSystemAPI.Models to logically group related code

{ // Code statement that contributes to the application's behavior

[Table("Policy")] // Applies the Table("Policy") attribute which modifies behavior/metadata

public class Policy // Declares class Policy

{ // Code statement that contributes to the application's behavior

[Key, DatabaseGenerated(DatabaseGeneratedOption.Identity)] // Code statement that contributes to the application's behavior

public int PolicyId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required, MaxLength(50)] // Code statement that contributes to the application's behavior

public string PolicyNumber { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required, MaxLength(200)] // Code statement that contributes to the application's behavior

public string VehicleDetails { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required] // Applies the Required attribute which modifies behavior/metadata

[Column(TypeName = "decimal(10,2)")] // Applies the Column(TypeName = "decimal(10,2)") attribute which modifies behavior/metadata

public decimal CoverageAmount { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required, MaxLength(50)] // Code statement that contributes to the application's behavior

public string CoverageType { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required] // Applies the Required attribute which modifies behavior/metadata

[Column(TypeName = "decimal(10,2)")] // Applies the Column(TypeName = "decimal(10,2)") attribute which modifies behavior/metadata

public decimal PremiumAmount { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required] // Applies the Required attribute which modifies behavior/metadata

public DateTime StartDate { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required] // Applies the Required attribute which modifies behavior/metadata

public DateTime EndDate { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required] // Applies the Required attribute which modifies behavior/metadata

public PolicyStatus PolicyStatus { get; set; } // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public enum PolicyStatus // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ACTIVE, // Code statement that contributes to the application's behavior

INACTIVE, // Code statement that contributes to the application's behavior

RENEWED // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Properties

## File: AutoInsuranceSystemAPI/Properties/launchSettings.json

﻿{ // JSON/config line setting application behavior

"$schema": "https://json.schemastore.org/launchsettings.json", // JSON/config line setting application behavior

"profiles": { // Configures the setting 'profiles'

"http": { // Configures the setting 'http'

"commandName": "Project", // Configures the setting 'commandName'

"dotnetRunMessages": true, // Configures the setting 'dotnetRunMessages'

"launchBrowser": false, // Configures the setting 'launchBrowser'

"applicationUrl": "http://localhost:5241", // Configures the setting 'applicationUrl'

"environmentVariables": { // Configures the setting 'environmentVariables'

"ASPNETCORE\_ENVIRONMENT": "Development" // Configures the setting 'ASPNETCORE\_ENVIRONMENT'

} // Ends a JSON object

}, // Ends a JSON object

"https": { // Configures the setting 'https'

"commandName": "Project", // Configures the setting 'commandName'

"dotnetRunMessages": true, // Configures the setting 'dotnetRunMessages'

"launchBrowser": false, // Configures the setting 'launchBrowser'

"applicationUrl": "https://localhost:7227;http://localhost:5241", // Configures the setting 'applicationUrl'

"environmentVariables": { // Configures the setting 'environmentVariables'

"ASPNETCORE\_ENVIRONMENT": "Development" // Configures the setting 'ASPNETCORE\_ENVIRONMENT'

} // Ends a JSON object

} // Ends a JSON object

} // Ends a JSON object

} // Ends a JSON object

## Folder: Services

## File: AutoInsuranceSystemAPI/Services/IPolicyService.cs

using AutoInsuranceSystemAPI.Models; // Imports the AutoInsuranceSystemAPI.Models namespace so its types are available

// Blank line for readability

namespace AutoInsuranceSystemAPI.Services // Declares the namespace AutoInsuranceSystemAPI.Services to logically group related code

{ // Code statement that contributes to the application's behavior

public interface IPolicyService // Declares interface IPolicyService (contract of methods/properties)

{ // Code statement that contributes to the application's behavior

Task<List<Policy>> GetAllAsync(); // Code statement that contributes to the application's behavior

Task<Policy?> GetByIdAsync(int id); // Code statement that contributes to the application's behavior

Task<Policy> CreateAsync(Policy policy); // Code statement that contributes to the application's behavior

Task<bool> UpdateAsync(int id, Policy policy); // Code statement that contributes to the application's behavior

Task<bool> DeleteAsync(int id); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: AutoInsuranceSystemAPI/Services/PolicyService.cs

using AutoInsuranceSystemAPI.Data; // Imports the AutoInsuranceSystemAPI.Data namespace so its types are available

using AutoInsuranceSystemAPI.Models; // Imports the AutoInsuranceSystemAPI.Models namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

// Blank line for readability

namespace AutoInsuranceSystemAPI.Services // Declares the namespace AutoInsuranceSystemAPI.Services to logically group related code

{ // Code statement that contributes to the application's behavior

public class PolicyService : IPolicyService // Declares class PolicyService inheriting from IPolicyService

{ // Code statement that contributes to the application's behavior

private readonly AutoInsuranceApiDbContext dbContext; // Uses the EF Core DbContext to query or modify the database

public PolicyService(AutoInsuranceApiDbContext dbContext) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

this.dbContext = dbContext; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public async Task<List<Policy>> GetAllAsync() // Public method GetAllAsync returns Task<List<Policy>> asynchronously with parameters ()

{ // Code statement that contributes to the application's behavior

return await dbContext.Policy.AsNoTracking().ToListAsync(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public async Task<Policy?> GetByIdAsync(int id) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return await dbContext.Policy.AsNoTracking().FirstOrDefaultAsync(p => p.PolicyId == id); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public async Task<Policy> CreateAsync(Policy policy) // Public method CreateAsync returns Task<Policy> asynchronously with parameters (Policy policy)

{ // Code statement that contributes to the application's behavior

policy.PolicyId = 0; // Code statement that contributes to the application's behavior

dbContext.Policy.Add(policy); // Code statement that contributes to the application's behavior

await dbContext.SaveChangesAsync(); // Code statement that contributes to the application's behavior

return policy; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public async Task<bool> UpdateAsync(int id, Policy policy) // Public method UpdateAsync returns Task<bool> asynchronously with parameters (int id, Policy policy)

{ // Code statement that contributes to the application's behavior

var existing = await dbContext.Policy.FirstOrDefaultAsync(p => p.PolicyId == id); // Code statement that contributes to the application's behavior

if (existing == null) return false; // Code statement that contributes to the application's behavior

// Blank line for readability

existing.PolicyNumber = policy.PolicyNumber; // Code statement that contributes to the application's behavior

existing.VehicleDetails = policy.VehicleDetails; // Code statement that contributes to the application's behavior

existing.CoverageAmount = policy.CoverageAmount; // Code statement that contributes to the application's behavior

existing.CoverageType = policy.CoverageType; // Code statement that contributes to the application's behavior

existing.PremiumAmount = policy.PremiumAmount; // Code statement that contributes to the application's behavior

existing.StartDate = policy.StartDate; // Code statement that contributes to the application's behavior

existing.EndDate = policy.EndDate; // Code statement that contributes to the application's behavior

existing.PolicyStatus = policy.PolicyStatus; // Code statement that contributes to the application's behavior

// Blank line for readability

await dbContext.SaveChangesAsync(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public async Task<bool> DeleteAsync(int id) // Public method DeleteAsync returns Task<bool> asynchronously with parameters (int id)

{ // Code statement that contributes to the application's behavior

var existing = await dbContext.Policy.FirstOrDefaultAsync(p => p.PolicyId == id); // Code statement that contributes to the application's behavior

if (existing == null) return false; // Code statement that contributes to the application's behavior

dbContext.Policy.Remove(existing); // Code statement that contributes to the application's behavior

await dbContext.SaveChangesAsync(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

# Project: Auto\_Insurance\_System

## Folder: .

## File: Auto\_Insurance\_System/Auto\_Insurance\_System.csproj

<Project Sdk="Microsoft.NET.Sdk.Web"> // XML element <Project> configuring project/build settings

// Blank line for readability

<PropertyGroup> // XML element <PropertyGroup> configuring project/build settings

<TargetFramework>net9.0</TargetFramework> // XML element <TargetFramework> configuring project/build settings

<Nullable>enable</Nullable> // XML element <Nullable> configuring project/build settings

<ImplicitUsings>enable</ImplicitUsings> // XML element <ImplicitUsings> configuring project/build settings

</PropertyGroup> // XML/project configuration line

// Blank line for readability

<ItemGroup> // XML element <ItemGroup> configuring project/build settings

<PackageReference Include="Microsoft.EntityFrameworkCore" Version="9.0.7" /> // Adds NuGet package dependency 'Microsoft.EntityFrameworkCore' version 9.0.7

<PackageReference Include="Microsoft.EntityFrameworkCore.SqlServer" Version="9.0.7" /> // Adds NuGet package dependency 'Microsoft.EntityFrameworkCore.SqlServer' version 9.0.7

<PackageReference Include="Microsoft.EntityFrameworkCore.Tools" Version="9.0.7"> // XML element <PackageReference> configuring project/build settings

<PrivateAssets>all</PrivateAssets> // XML element <PrivateAssets> configuring project/build settings

<IncludeAssets>runtime; build; native; contentfiles; analyzers; buildtransitive</IncludeAssets> // XML element <IncludeAssets> configuring project/build settings

</PackageReference> // XML/project configuration line

<PackageReference Include="Microsoft.VisualStudio.Web.CodeGeneration.Design" Version="9.0.0" /> // Adds NuGet package dependency 'Microsoft.VisualStudio.Web.CodeGeneration.Design' version 9.0.0

<PackageReference Include="System.Configuration.ConfigurationManager" Version="9.0.7" /> // Adds NuGet package dependency 'System.Configuration.ConfigurationManager' version 9.0.7

</ItemGroup> // XML/project configuration line

// Blank line for readability

</Project> // XML/project configuration line

## File: Auto\_Insurance\_System/Program.cs

using Auto\_Insurance\_System.Data; // Imports the Auto\_Insurance\_System.Data namespace so its types are available

using Auto\_Insurance\_System.Interfaces; // Imports the Auto\_Insurance\_System.Interfaces namespace so its types are available

using Auto\_Insurance\_System.Services; // Imports the Auto\_Insurance\_System.Services namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

using Auto\_Insurance\_System.Filters; // Imports the Auto\_Insurance\_System.Filters namespace so its types are available

// Blank line for readability

var builder = WebApplication.CreateBuilder(args); // Code statement that contributes to the application's behavior

builder.Services.AddDbContextPool<AutoInsuranceDbContext>(options => options.UseSqlServer(builder.Configuration.GetConnectionString("SqlCon"))); // Uses the EF Core DbContext to query or modify the database

builder.Services.AddTransient<IPolicyService, PolicyService>(); // Code statement that contributes to the application's behavior

builder.Services.AddTransient<IClaimService, ClaimService>(); // Code statement that contributes to the application's behavior

builder.Services.AddTransient<IPaymentService, PaymentService>(); // Code statement that contributes to the application's behavior

builder.Services.AddTransient<ISupportTicketService, SupportTicketService>(); // Code statement that contributes to the application's behavior

builder.Services.AddTransient<IUsersService, UsersService>(); // Code statement that contributes to the application's behavior

builder.Services.AddSession(); // Code statement that contributes to the application's behavior

// Add services to the container. // Code statement that contributes to the application's behavior

builder.Services.AddControllersWithViews(options => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

options.Filters.Add<AutoInsuranceExceptionFilter>(); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

var app = builder.Build(); // Code statement that contributes to the application's behavior

// Blank line for readability

// Configure the HTTP request pipeline. // Code statement that contributes to the application's behavior

if (!app.Environment.IsDevelopment()) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

app.UseExceptionHandler("/Home/Error"); // Code statement that contributes to the application's behavior

// The default HSTS value is 30 days. You may want to change this for production scenarios, see https://aka.ms/aspnetcore-hsts. // Code statement that contributes to the application's behavior

app.UseHsts(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

app.UseHttpsRedirection(); // Code statement that contributes to the application's behavior

app.UseRouting(); // Code statement that contributes to the application's behavior

// Blank line for readability

app.UseSession(); // Code statement that contributes to the application's behavior

app.UseAuthorization(); // Code statement that contributes to the application's behavior

// Blank line for readability

app.MapStaticAssets(); // Code statement that contributes to the application's behavior

// Blank line for readability

app.MapControllerRoute( // Code statement that contributes to the application's behavior

name: "default", // Code statement that contributes to the application's behavior

pattern: "{controller=Home}/{action=Landing}/{id?}") // Code statement that contributes to the application's behavior

.WithStaticAssets(); // Code statement that contributes to the application's behavior

// Blank line for readability

// Blank line for readability

app.Run(); // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/appsettings.Development.json

{ // Begins a JSON object

"Logging": { // Configures the setting 'Logging'

"LogLevel": { // Configures the setting 'LogLevel'

"Default": "Information", // Configures the setting 'Default'

"Microsoft.AspNetCore": "Warning" // JSON/config line setting application behavior

} // Ends a JSON object

} // Ends a JSON object

} // Ends a JSON object

## File: Auto\_Insurance\_System/appsettings.json

{ // Begins a JSON object

"Logging": { // Configures the setting 'Logging'

"LogLevel": { // Configures the setting 'LogLevel'

"Default": "Information", // Configures the setting 'Default'

"Microsoft.AspNetCore": "Warning" // JSON/config line setting application behavior

} // Ends a JSON object

}, // Ends a JSON object

"ConnectionStrings": { // Configures the setting 'ConnectionStrings'

"SqlCon": "Data Source=(localdb)\\MSSQLLocalDB;Initial Catalog=AutoInsuranceSystemManagementDB;Integrated Security=True;TrustServerCertificate=True" // Configures the setting 'SqlCon'

}, // Ends a JSON object

"AllowedHosts": "\*" // Configures the setting 'AllowedHosts'

} // Ends a JSON object

## Folder: Controllers

## File: Auto\_Insurance\_System/Controllers/AdminController.cs

using Auto\_Insurance\_System.Data; // Imports the Auto\_Insurance\_System.Data namespace so its types are available

using Auto\_Insurance\_System.Interfaces; // Imports the Auto\_Insurance\_System.Interfaces namespace so its types are available

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Microsoft.AspNetCore.Mvc; // Imports the Microsoft.AspNetCore.Mvc namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

using Auto\_Insurance\_System.Filters; // Imports the Auto\_Insurance\_System.Filters namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Controllers // Declares the namespace Auto\_Insurance\_System.Controllers to logically group related code

{ // Code statement that contributes to the application's behavior

[RoleAuthorizationFilter("ADMIN")] // Applies the RoleAuthorizationFilter("ADMIN") attribute which modifies behavior/metadata

public class AdminController : Controller // Declares class AdminController inheriting from Controller

{ // Code statement that contributes to the application's behavior

private readonly IUsersService usersService; // Code statement that contributes to the application's behavior

private readonly IPolicyService policyService; // Code statement that contributes to the application's behavior

private readonly IClaimService claimService; // Code statement that contributes to the application's behavior

private readonly ISupportTicketService supportTicketService; // Code statement that contributes to the application's behavior

private readonly AutoInsuranceDbContext dbContext; // Uses the EF Core DbContext to query or modify the database

// Blank line for readability

public AdminController( // Code statement that contributes to the application's behavior

IUsersService usersService, // Code statement that contributes to the application's behavior

IPolicyService policyService, // Code statement that contributes to the application's behavior

IClaimService claimService, // Code statement that contributes to the application's behavior

ISupportTicketService supportTicketService, // Code statement that contributes to the application's behavior

AutoInsuranceDbContext dbContext) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

this.usersService = usersService; // Code statement that contributes to the application's behavior

this.policyService = policyService; // Code statement that contributes to the application's behavior

this.claimService = claimService; // Code statement that contributes to the application's behavior

this.supportTicketService = supportTicketService; // Code statement that contributes to the application's behavior

this.dbContext = dbContext; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

private bool IsAdmin() // Private method IsAdmin returns bool with parameters ()

{ // Code statement that contributes to the application's behavior

return HttpContext.Session.GetString("UserRole") == "ADMIN"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

private void PopulateDashboardStats() // Private method PopulateDashboardStats returns void with parameters ()

{ // Code statement that contributes to the application's behavior

var policies = policyService.GetAllPolicies(); // Calls policyService to execute business logic

var claims = claimService.GetAllClaims(); // Calls claimService to execute business logic

var tickets = supportTicketService.GetAllTickects(); // Calls supportTicketService to execute business logic

var users = usersService.GetAllUsers(); // Calls usersService to execute business logic

var payments = dbContext.Payments.AsNoTracking().ToList(); // Code statement that contributes to the application's behavior

// Blank line for readability

ViewBag.TotalPolicies = policies.Count; // Code statement that contributes to the application's behavior

ViewBag.ActivePolicies = policies.Count(p => p.PolicyStatus == PolicyStatus.ACTIVE); // Code statement that contributes to the application's behavior

ViewBag.PendingClaims = claims.Count(c => c.ClaimStatus == ClaimStatus.OPEN); // Code statement that contributes to the application's behavior

ViewBag.ApprovedClaims = claims.Count(c => c.ClaimStatus == ClaimStatus.APPROVED); // Code statement that contributes to the application's behavior

ViewBag.OpenTickets = tickets.Count(t => t.TicketStatus == TicketStatus.OPEN); // Code statement that contributes to the application's behavior

ViewBag.TotalUsers = users.Count; // Code statement that contributes to the application's behavior

// Blank line for readability

var now = DateTime.Now; // Code statement that contributes to the application's behavior

ViewBag.RevenueThisMonth = payments // Code statement that contributes to the application's behavior

.Where(p => p.PaymentStatus == PaymentStatus.SUCCESS && p.PaymentDate.Month == now.Month && p.PaymentDate.Year == now.Year) // Code statement that contributes to the application's behavior

.Sum(p => (decimal?)p.PaymentAmount) ?? 0m; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Index() // Public method Index returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Console() // Public method Console returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult UsersHub() // Public method UsersHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var users = usersService.GetAllUsers(); // Calls usersService to execute business logic

return View(users); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Users() // Public method Users returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var users = usersService.GetAllUsers(); // Calls usersService to execute business logic

return View(users); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult UserCreate() // Public method UserCreate returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(new Users()); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult UserCreate(Users model) // Public method UserCreate returns IActionResult with parameters (Users model)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var created = usersService.RegisterUser(model); // Calls usersService to execute business logic

if (!created) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to create user."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

TempData["Success"] = "User created successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("UserCreate"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult UserUpdate() // Public method UserUpdate returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult UserUpdate(Users model) // Public method UserUpdate returns IActionResult with parameters (Users model)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

if (model.UserId <= 0) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "UserId is required for update."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var existing = dbContext.Users.Find(model.UserId); // Code statement that contributes to the application's behavior

if (existing == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No user found with id {model.UserId}"; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

existing.Email = model.Email; // Code statement that contributes to the application's behavior

existing.Username = model.Username; // Code statement that contributes to the application's behavior

existing.Role = model.Role; // Code statement that contributes to the application's behavior

if (!string.IsNullOrWhiteSpace(model.Password)) existing.Password = model.Password; // Code statement that contributes to the application's behavior

dbContext.SaveChanges(); // Code statement that contributes to the application's behavior

TempData["Success"] = "User updated successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("UserUpdate"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult UserDelete() // Public method UserDelete returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult UserDelete(int userId) // Public method UserDelete returns IActionResult with parameters (int userId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var existing = dbContext.Users.Find(userId); // Code statement that contributes to the application's behavior

if (existing == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No user found with id {userId}"; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

dbContext.Users.Remove(existing); // Code statement that contributes to the application's behavior

dbContext.SaveChanges(); // Code statement that contributes to the application's behavior

TempData["Success"] = "User deleted successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("UserDelete"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Policies hub + pages // Code statement that contributes to the application's behavior

public IActionResult Policies() // Public method Policies returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return RedirectToAction("PoliciesHub"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult PoliciesHub() // Public method PoliciesHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult PoliciesAll() // Public method PoliciesAll returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var list = policyService.GetAllPolicies().OrderBy(p => p.PolicyId).ToList(); // Calls policyService to execute business logic

return View(list); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PolicyCreate() // Public method PolicyCreate returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return NotFound(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PolicyCreate(Policy model) // Public method PolicyCreate returns IActionResult with parameters (Policy model)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return NotFound(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PolicyDetails() // Public method PolicyDetails returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PolicyDetails(int policyId) // Public method PolicyDetails returns IActionResult with parameters (int policyId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var policy = policyService.GetPolicyById(policyId.ToString()); // Calls policyService to execute business logic

if (policy == null) ViewBag.Error = $"No policy found with id {policyId}"; // Code statement that contributes to the application's behavior

return View(policy); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PolicyUpdate() // Public method PolicyUpdate returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PolicyUpdate(Policy model) // Public method PolicyUpdate returns IActionResult with parameters (Policy model)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

if (model.PolicyId <= 0) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "PolicyId is required for update."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var ok = policyService.UpdatePolicy(model); // Calls policyService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Policy updated successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("PolicyUpdate"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to update policy."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PolicyDelete() // Public method PolicyDelete returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PolicyDelete(int policyId) // Public method PolicyDelete returns IActionResult with parameters (int policyId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var ok = policyService.DeletePolicy(policyId.ToString()); // Calls policyService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Policy deleted successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("PolicyDelete"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to delete policy."; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Claims hub and pages // Code statement that contributes to the application's behavior

public IActionResult Claims() // Public method Claims returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return RedirectToAction("ClaimsHub"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult ClaimsHub() // Public method ClaimsHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult ClaimsAll() // Public method ClaimsAll returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var claims = claimService.GetAllClaims().OrderBy(c => c.ClaimDate).ToList(); // Calls claimService to execute business logic

return View(claims); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult ClaimDetails() // Public method ClaimDetails returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult ClaimDetails(int claimId) // Public method ClaimDetails returns IActionResult with parameters (int claimId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var claim = claimService.GetClaimDetails(claimId.ToString()); // Calls claimService to execute business logic

if (claim == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No claim found with id {claimId}"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

return View(claim); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult ClaimSubmit() // Public method ClaimSubmit returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult ClaimSubmit(Claim model) // Public method ClaimSubmit returns IActionResult with parameters (Claim model)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please fill all required fields."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var ok = claimService.SubmitClaim(model); // Calls claimService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Claim submitted successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("ClaimSubmit"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to submit claim."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult ClaimUpdateStatus() // Public method ClaimUpdateStatus returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult ClaimUpdateStatus(int claimId, ClaimStatus status, int? adjusterId) // Public method ClaimUpdateStatus returns IActionResult with parameters (int claimId, ClaimStatus status, int? adjusterId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var claim = dbContext.Claims.Find(claimId); // Code statement that contributes to the application's behavior

if (claim == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No claim found with id {claimId}"; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

claim.ClaimStatus = status; // Code statement that contributes to the application's behavior

if (adjusterId.HasValue) claim.AdjusterId = adjusterId.Value; // Code statement that contributes to the application's behavior

dbContext.SaveChanges(); // Code statement that contributes to the application's behavior

ViewBag.Success = "Claim status updated."; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Payments hub and pages // Code statement that contributes to the application's behavior

public IActionResult Payments() // Public method Payments returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return RedirectToAction("PaymentsHub"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult PaymentsHub() // Public method PaymentsHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult PaymentsAll() // Public method PaymentsAll returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var payments = dbContext.Payments // Code statement that contributes to the application's behavior

.AsNoTracking() // Code statement that contributes to the application's behavior

.Include(p => p.Policy) // Code statement that contributes to the application's behavior

.OrderBy(p => p.PaymentDate) // Code statement that contributes to the application's behavior

.ToList(); // Code statement that contributes to the application's behavior

return View("Payments", payments); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PaymentMake() // Public method PaymentMake returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return NotFound(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PaymentMake(Payment model) // Public method PaymentMake returns IActionResult with parameters (Payment model)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return NotFound(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PaymentUpdateStatus() // Public method PaymentUpdateStatus returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PaymentUpdateStatus(int paymentId, PaymentStatus status) // Public method PaymentUpdateStatus returns IActionResult with parameters (int paymentId, PaymentStatus status)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var pay = dbContext.Payments.Find(paymentId); // Code statement that contributes to the application's behavior

if (pay == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No payment found with id {paymentId}"; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

pay.PaymentStatus = status; // Code statement that contributes to the application's behavior

dbContext.SaveChanges(); // Code statement that contributes to the application's behavior

ViewBag.Success = "Payment status updated."; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PaymentsByPolicy() // Public method PaymentsByPolicy returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PaymentsByPolicy(int policyId) // Public method PaymentsByPolicy returns IActionResult with parameters (int policyId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var list = dbContext.Payments.Include(p => p.Policy).Where(p => p.PolicyId == policyId).OrderBy(p => p.PaymentDate).ToList(); // Code statement that contributes to the application's behavior

if (!list.Any()) ViewBag.Error = $"No payments found for policy {policyId}"; // Code statement that contributes to the application's behavior

return View(list); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Tickets() // Public method Tickets returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var tickets = supportTicketService.GetAllTickects(); // Calls supportTicketService to execute business logic

return View(tickets); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Tickets hub and pages // Code statement that contributes to the application's behavior

public IActionResult TicketsHub() // Public method TicketsHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult TicketsAll() // Public method TicketsAll returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var tickets = supportTicketService.GetAllTickects(); // Calls supportTicketService to execute business logic

return View(tickets); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult TicketAssign() // Public method TicketAssign returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult TicketAssign(int ticketId, int agentId) // Public method TicketAssign returns IActionResult with parameters (int ticketId, int agentId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var ok = supportTicketService.AssignTicket(ticketId, agentId); // Calls supportTicketService to execute business logic

if (!ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"Unable to assign ticket {ticketId}."; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

ViewBag.Success = "Ticket assigned."; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult TicketResolve() // Public method TicketResolve returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult TicketResolve(int ticketId) // Public method TicketResolve returns IActionResult with parameters (int ticketId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

PopulateDashboardStats(); // Code statement that contributes to the application's behavior

var ok = supportTicketService.ResolvedTickect(ticketId); // Calls supportTicketService to execute business logic

if (!ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No ticket found with id {ticketId}"; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

ViewBag.Success = "Ticket resolved."; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// JSON endpoints for admin operations ------------------------- // Code statement that contributes to the application's behavior

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult AdminCreateUser([FromForm] Users user) // Public method AdminCreateUser returns IActionResult with parameters ([FromForm] Users user)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

if (string.IsNullOrWhiteSpace(user.Username) || string.IsNullOrWhiteSpace(user.Password) || string.IsNullOrWhiteSpace(user.Email)) // Code statement that contributes to the application's behavior

return BadRequest("Invalid user input"); // Code statement that contributes to the application's behavior

var ok = usersService.RegisterUser(user); // Calls usersService to execute business logic

return ok ? Ok(new { message = "User created" }) : BadRequest("Failed to create user"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult AdminUpdateUser([FromForm] Users user) // Public method AdminUpdateUser returns IActionResult with parameters ([FromForm] Users user)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

var existing = dbContext.Users.Find(user.UserId); // Code statement that contributes to the application's behavior

if (existing == null) return NotFound(); // Code statement that contributes to the application's behavior

existing.Email = user.Email; // Code statement that contributes to the application's behavior

existing.Username = user.Username; // Code statement that contributes to the application's behavior

existing.Role = user.Role; // Code statement that contributes to the application's behavior

if (!string.IsNullOrWhiteSpace(user.Password)) existing.Password = user.Password; // Code statement that contributes to the application's behavior

dbContext.SaveChanges(); // Code statement that contributes to the application's behavior

return Ok(new { message = "User updated" }); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult AdminDeleteUser([FromForm] int userId) // Public method AdminDeleteUser returns IActionResult with parameters ([FromForm] int userId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

var existing = dbContext.Users.Find(userId); // Code statement that contributes to the application's behavior

if (existing == null) return NotFound(); // Code statement that contributes to the application's behavior

dbContext.Users.Remove(existing); // Code statement that contributes to the application's behavior

dbContext.SaveChanges(); // Code statement that contributes to the application's behavior

return Ok(new { message = "User deleted" }); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult AdminCreatePolicy([FromForm] Policy model) // Public method AdminCreatePolicy returns IActionResult with parameters ([FromForm] Policy model)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

var ok = policyService.CreatePolicy(model); // Calls policyService to execute business logic

return ok ? Ok(new { message = "Policy created" }) : BadRequest("Failed to create policy"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult AdminUpdatePolicy([FromForm] Policy model) // Public method AdminUpdatePolicy returns IActionResult with parameters ([FromForm] Policy model)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

var ok = policyService.UpdatePolicy(model); // Calls policyService to execute business logic

return ok ? Ok(new { message = "Policy updated" }) : BadRequest("Failed to update policy"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult AdminDeletePolicy([FromForm] int policyId) // Public method AdminDeletePolicy returns IActionResult with parameters ([FromForm] int policyId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

var ok = policyService.DeletePolicy(policyId.ToString()); // Calls policyService to execute business logic

return ok ? Ok(new { message = "Policy deleted" }) : BadRequest("Failed to delete policy"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult AdminGetPolicy(int id) // Public method AdminGetPolicy returns IActionResult with parameters (int id)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

var policy = policyService.GetPolicyById(id.ToString()); // Calls policyService to execute business logic

if (policy == null) return NotFound(); // Code statement that contributes to the application's behavior

return Json(policy); // Returns JSON data as the HTTP response

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult AdminSubmitClaim([FromForm] Claim model) // Public method AdminSubmitClaim returns IActionResult with parameters ([FromForm] Claim model)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

var ok = claimService.SubmitClaim(model); // Calls claimService to execute business logic

return ok ? Ok(new { message = "Claim submitted" }) : BadRequest("Failed to submit claim"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult AdminUpdateClaimStatus([FromForm] int claimId, [FromForm] ClaimStatus status, [FromForm] int? adjusterId) // Public method AdminUpdateClaimStatus returns IActionResult with parameters ([FromForm] int claimId, [FromForm] ClaimStatus status, [FromForm] int? adjusterId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

var claim = dbContext.Claims.Find(claimId); // Code statement that contributes to the application's behavior

if (claim == null) return NotFound(); // Code statement that contributes to the application's behavior

claim.ClaimStatus = status; // Code statement that contributes to the application's behavior

if (adjusterId.HasValue) claim.AdjusterId = adjusterId.Value; // Code statement that contributes to the application's behavior

dbContext.SaveChanges(); // Code statement that contributes to the application's behavior

return Ok(new { message = "Claim status updated" }); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult AdminResolveTicket([FromForm] int ticketId) // Public method AdminResolveTicket returns IActionResult with parameters ([FromForm] int ticketId)

{ // Code statement that contributes to the application's behavior

if (!IsAdmin()) return Unauthorized(); // Code statement that contributes to the application's behavior

var ticket = dbContext.SupportTickects.Find(ticketId); // Code statement that contributes to the application's behavior

if (ticket == null) return NotFound(); // Code statement that contributes to the application's behavior

ticket.TicketStatus = TicketStatus.RESOLVED; // Code statement that contributes to the application's behavior

ticket.ResolvedDate = DateTime.Now; // Code statement that contributes to the application's behavior

dbContext.SaveChanges(); // Code statement that contributes to the application's behavior

return Ok(new { message = "Ticket resolved" }); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Controllers/AgentController.cs

using Auto\_Insurance\_System.Data; // Imports the Auto\_Insurance\_System.Data namespace so its types are available

using Auto\_Insurance\_System.Interfaces; // Imports the Auto\_Insurance\_System.Interfaces namespace so its types are available

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Microsoft.AspNetCore.Mvc; // Imports the Microsoft.AspNetCore.Mvc namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

using Auto\_Insurance\_System.Filters; // Imports the Auto\_Insurance\_System.Filters namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Controllers // Declares the namespace Auto\_Insurance\_System.Controllers to logically group related code

{ // Code statement that contributes to the application's behavior

[RoleAuthorizationFilter("AGENT")] // Applies the RoleAuthorizationFilter("AGENT") attribute which modifies behavior/metadata

public class AgentController : Controller // Declares class AgentController inheriting from Controller

{ // Code statement that contributes to the application's behavior

private readonly IUsersService usersService; // Code statement that contributes to the application's behavior

private readonly IPolicyService policyService; // Code statement that contributes to the application's behavior

private readonly IClaimService claimService; // Code statement that contributes to the application's behavior

private readonly ISupportTicketService supportTicketService; // Code statement that contributes to the application's behavior

private readonly AutoInsuranceDbContext dbContext; // Uses the EF Core DbContext to query or modify the database

// Blank line for readability

public AgentController( // Code statement that contributes to the application's behavior

IUsersService usersService, // Code statement that contributes to the application's behavior

IPolicyService policyService, // Code statement that contributes to the application's behavior

IClaimService claimService, // Code statement that contributes to the application's behavior

ISupportTicketService supportTicketService, // Code statement that contributes to the application's behavior

AutoInsuranceDbContext dbContext) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

this.usersService = usersService; // Code statement that contributes to the application's behavior

this.policyService = policyService; // Code statement that contributes to the application's behavior

this.claimService = claimService; // Code statement that contributes to the application's behavior

this.supportTicketService = supportTicketService; // Code statement that contributes to the application's behavior

this.dbContext = dbContext; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

private bool IsAgent() // Private method IsAgent returns bool with parameters ()

{ // Code statement that contributes to the application's behavior

return HttpContext.Session.GetString("UserRole") == "AGENT"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Users // Code statement that contributes to the application's behavior

public IActionResult UsersHub() // Public method UsersHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Users() // Public method Users returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var users = usersService.GetAllUsers(); // Calls usersService to execute business logic

return View(users); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult UserCreate() // Public method UserCreate returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(new Users { Role = UserRole.CUSTOMER }); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult UserCreate(Users model) // Public method UserCreate returns IActionResult with parameters (Users model)

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please correct the errors and try again."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

if (model.Role == UserRole.ADMIN) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Agents cannot create ADMIN users."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var ok = usersService.RegisterUser(model); // Calls usersService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "User created successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("UserCreate"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to create user."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Policies // Code statement that contributes to the application's behavior

public IActionResult PoliciesHub() // Public method PoliciesHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult PoliciesAll() // Public method PoliciesAll returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var list = policyService.GetAllPolicies().OrderBy(p => p.PolicyId).ToList(); // Calls policyService to execute business logic

return View(list); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PolicyDetails() // Public method PolicyDetails returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PolicyDetails(int policyId) // Public method PolicyDetails returns IActionResult with parameters (int policyId)

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var policy = policyService.GetPolicyById(policyId.ToString()); // Calls policyService to execute business logic

if (policy == null) ViewBag.Error = $"No policy found with id {policyId}"; // Code statement that contributes to the application's behavior

return View(policy); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PolicyCreate() // Public method PolicyCreate returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(new Policy { // Code statement that contributes to the application's behavior

PolicyNumber = (new Random()).Next(10000, 99999).ToString(), // Code statement that contributes to the application's behavior

StartDate = DateTime.Today, EndDate = DateTime.Today.AddYears(1), PolicyStatus = PolicyStatus.ACTIVE }); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PolicyCreate(Policy model) // Public method PolicyCreate returns IActionResult with parameters (Policy model)

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please correct the errors and try again."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var ok = policyService.CreatePolicy(model); // Calls policyService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Policy created successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("PolicyCreate"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to create policy."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Claims // Code statement that contributes to the application's behavior

public IActionResult ClaimsHub() // Public method ClaimsHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult ClaimsAll() // Public method ClaimsAll returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var claims = claimService.GetAllClaims().OrderBy(c => c.ClaimDate).ToList(); // Calls claimService to execute business logic

return View(claims); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult ClaimDetails() // Public method ClaimDetails returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult ClaimDetails(int claimId) // Public method ClaimDetails returns IActionResult with parameters (int claimId)

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var claim = claimService.GetClaimDetails(claimId.ToString()); // Calls claimService to execute business logic

if (claim == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No claim found with id {claimId}"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

return View(claim); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult ClaimSubmit() // Public method ClaimSubmit returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult ClaimSubmit(Claim model) // Public method ClaimSubmit returns IActionResult with parameters (Claim model)

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please fill all required fields."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var ok = claimService.SubmitClaim(model); // Calls claimService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Claim submitted successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("ClaimSubmit"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to submit claim."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Payments // Code statement that contributes to the application's behavior

public IActionResult PaymentsHub() // Public method PaymentsHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult PaymentsAll() // Public method PaymentsAll returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var payments = dbContext.Payments // Code statement that contributes to the application's behavior

.AsNoTracking() // Code statement that contributes to the application's behavior

.Include(p => p.Policy) // Code statement that contributes to the application's behavior

.OrderBy(p => p.PaymentDate) // Code statement that contributes to the application's behavior

.ToList(); // Code statement that contributes to the application's behavior

return View("Payments", payments); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PaymentsByPolicy() // Public method PaymentsByPolicy returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PaymentsByPolicy(int policyId) // Public method PaymentsByPolicy returns IActionResult with parameters (int policyId)

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var list = dbContext.Payments.Include(p => p.Policy).Where(p => p.PolicyId == policyId).OrderBy(p => p.PaymentDate).ToList(); // Code statement that contributes to the application's behavior

if (!list.Any()) ViewBag.Error = $"No payments found for policy {policyId}"; // Code statement that contributes to the application's behavior

return View(list); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PaymentMake() // Public method PaymentMake returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(new Payment { PaymentDate = DateTime.Today, PaymentStatus = PaymentStatus.SUCCESS }); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PaymentMake(Payment model) // Public method PaymentMake returns IActionResult with parameters (Payment model)

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please fill all required fields."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Always record agent payments as SUCCESS // Code statement that contributes to the application's behavior

model.PaymentStatus = PaymentStatus.SUCCESS; // Code statement that contributes to the application's behavior

var policy = dbContext.Policy.Find(model.PolicyId); // Code statement that contributes to the application's behavior

if (policy == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No policy found with id {model.PolicyId}"; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

if (model.PaymentAmount != policy.PremiumAmount) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"Amount must equal the policy premium ({policy.PremiumAmount:0.00})."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var paymentService = new Services.PaymentService(dbContext); // Code statement that contributes to the application's behavior

var ok = paymentService.MakePayment(model); // Calls paymentService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Payment recorded successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("PaymentMake"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to record payment."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Tickets // Code statement that contributes to the application's behavior

public IActionResult TicketsHub() // Public method TicketsHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Tickets() // Public method Tickets returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var tickets = supportTicketService.GetAllTickects(); // Calls supportTicketService to execute business logic

return View(tickets); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult TicketCreate() // Public method TicketCreate returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(new SupportTicket{ CreatedDate = DateTime.Now, TicketStatus = TicketStatus.OPEN }); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult TicketCreate(SupportTicket model) // Public method TicketCreate returns IActionResult with parameters (SupportTicket model)

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

// Normalize server-side fields and avoid validating navigation property // Code statement that contributes to the application's behavior

ModelState.Remove(nameof(SupportTicket.CreatedDate)); // Code statement that contributes to the application's behavior

ModelState.Remove(nameof(SupportTicket.User)); // Code statement that contributes to the application's behavior

model.CreatedDate = DateTime.Now; // Code statement that contributes to the application's behavior

if (model.TicketStatus == 0) model.TicketStatus = TicketStatus.OPEN; // Code statement that contributes to the application's behavior

// Blank line for readability

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please fill all required fields."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Validate FK: User must exist // Code statement that contributes to the application's behavior

if (!dbContext.Users.Any(u => u.UserId == model.UserId)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"User with id {model.UserId} not found."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

var ok = supportTicketService.CreateTicket(model); // Calls supportTicketService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Ticket created successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("TicketCreate"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to create ticket."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult TicketResolve() // Public method TicketResolve returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(model: null); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult TicketResolve(int ticketId) // Public method TicketResolve returns IActionResult with parameters (int ticketId)

{ // Code statement that contributes to the application's behavior

if (!IsAgent()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var ticket = dbContext.SupportTickects.Find(ticketId); // Code statement that contributes to the application's behavior

if (ticket == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No ticket found with id {ticketId}"; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var currentUser = HttpContext.Session.GetString("UserName"); // Code statement that contributes to the application's behavior

var agent = usersService.GetAllUsers().FirstOrDefault(u => u.Username == currentUser); // Calls usersService to execute business logic

if (ticket.AssignedAgentId != agent?.UserId) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Ticket is not assigned to you. You cannot resolve it."; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var ok = supportTicketService.ResolvedTickect(ticketId); // Calls supportTicketService to execute business logic

if (!ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to resolve ticket."; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

ViewBag.Success = "Ticket resolved."; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Controllers/AuthController.cs

﻿using Auto\_Insurance\_System.Interfaces; // Code statement that contributes to the application's behavior

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Microsoft.AspNetCore.Mvc; // Imports the Microsoft.AspNetCore.Mvc namespace so its types are available

using Auto\_Insurance\_System.Data; // Imports the Auto\_Insurance\_System.Data namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Controllers // Declares the namespace Auto\_Insurance\_System.Controllers to logically group related code

{ // Code statement that contributes to the application's behavior

public class AuthController : Controller // Declares class AuthController inheriting from Controller

{ // Code statement that contributes to the application's behavior

private readonly IUsersService userService; // Code statement that contributes to the application's behavior

private readonly IPolicyService? policyService; // Code statement that contributes to the application's behavior

private readonly IClaimService? claimService; // Code statement that contributes to the application's behavior

private readonly ISupportTicketService? supportTicketService; // Code statement that contributes to the application's behavior

private readonly AutoInsuranceDbContext? dbContext; // Uses the EF Core DbContext to query or modify the database

// Blank line for readability

public AuthController(IUsersService userService, IPolicyService? policyService = null, IClaimService? claimService = null, ISupportTicketService? supportTicketService = null, AutoInsuranceDbContext? dbContext = null) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

this.userService = userService; // Code statement that contributes to the application's behavior

this.policyService = policyService; // Code statement that contributes to the application's behavior

this.claimService = claimService; // Code statement that contributes to the application's behavior

this.supportTicketService = supportTicketService; // Code statement that contributes to the application's behavior

this.dbContext = dbContext; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

private void PopulateAdminStats() // Private method PopulateAdminStats returns void with parameters ()

{ // Code statement that contributes to the application's behavior

if (policyService == null || claimService == null || supportTicketService == null || dbContext == null) // Code statement that contributes to the application's behavior

return; // Code statement that contributes to the application's behavior

// Blank line for readability

var policies = policyService.GetAllPolicies(); // Calls policyService to execute business logic

var claims = claimService.GetAllClaims(); // Calls claimService to execute business logic

var tickets = supportTicketService.GetAllTickects(); // Calls supportTicketService to execute business logic

var payments = dbContext.Payments.ToList(); // Code statement that contributes to the application's behavior

// Blank line for readability

ViewBag.ActivePolicies = policies.Count(p => p.PolicyStatus == PolicyStatus.ACTIVE); // Code statement that contributes to the application's behavior

ViewBag.PendingClaims = claims.Count(c => c.ClaimStatus == ClaimStatus.OPEN); // Code statement that contributes to the application's behavior

var now = DateTime.Now; // Code statement that contributes to the application's behavior

ViewBag.RevenueThisMonth = payments // Code statement that contributes to the application's behavior

.Where(p => p.PaymentStatus == PaymentStatus.SUCCESS && p.PaymentDate.Month == now.Month && p.PaymentDate.Year == now.Year) // Code statement that contributes to the application's behavior

.Sum(p => (decimal?)p.PaymentAmount) ?? 0m; // Code statement that contributes to the application's behavior

ViewBag.OpenTickets = tickets.Count(t => t.TicketStatus == TicketStatus.OPEN); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// GET: /User/Register // Code statement that contributes to the application's behavior

public IActionResult Register() // Public method Register returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult Register(Users user) // Public method Register returns IActionResult with parameters (Users user)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

user.Role = Enum.Parse<UserRole>(user.Role.ToString(), true); // Code statement that contributes to the application's behavior

// Blank line for readability

if (userService.RegisterUser(user)) // Calls userService to execute business logic

{ // Code statement that contributes to the application's behavior

ViewBag.SuccessMessage = $"Hello {user.Username}, you are successfully registered as {user.Role}."; // Code statement that contributes to the application's behavior

ViewBag.TriggerRedirect = true; // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

ModelState.AddModelError("", "Registration failed. Please try again."); // Code statement that contributes to the application's behavior

return View(user); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ModelState.AddModelError("", $"Error during registration: {ex.Message}"); // Code statement that contributes to the application's behavior

return View(user); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// GET: /Auth/ForgotPassword // Code statement that contributes to the application's behavior

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult ForgotPassword() // Public method ForgotPassword returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// POST: /Auth/ForgotPassword // Code statement that contributes to the application's behavior

[HttpPost] // Maps this action to HTTP HttpPost

[ValidateAntiForgeryToken] // Applies the ValidateAntiForgeryToken attribute which modifies behavior/metadata

public IActionResult ForgotPassword(string? Username, string? Email, string NewPassword, string ConfirmPassword) // Public method ForgotPassword returns IActionResult with parameters (string? Username, string? Email, string NewPassword, string ConfirmPassword)

{ // Code statement that contributes to the application's behavior

if (dbContext == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ModelState.AddModelError("", "Unexpected error: database not available."); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

if (string.IsNullOrWhiteSpace(Username) && string.IsNullOrWhiteSpace(Email)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ModelState.AddModelError("", "Please provide Username or Email."); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

if (string.IsNullOrWhiteSpace(NewPassword) || string.IsNullOrWhiteSpace(ConfirmPassword)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ModelState.AddModelError("", "Password and Confirm Password are required."); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

if (!string.Equals(NewPassword, ConfirmPassword)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ModelState.AddModelError("", "Passwords do not match."); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

var user = !string.IsNullOrWhiteSpace(Username) // Code statement that contributes to the application's behavior

? dbContext.Users.FirstOrDefault(u => u.Username == Username) // Code statement that contributes to the application's behavior

: dbContext.Users.FirstOrDefault(u => u.Email == Email); // Code statement that contributes to the application's behavior

// Blank line for readability

if (user == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ModelState.AddModelError("", "No matching user found."); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

user.Password = NewPassword; // Code statement that contributes to the application's behavior

dbContext.SaveChanges(); // Code statement that contributes to the application's behavior

TempData["Success"] = "Password updated successfully. Please login."; // Code statement that contributes to the application's behavior

return RedirectToAction("Login"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// GET: /User/Login // Code statement that contributes to the application's behavior

public IActionResult Login() // Public method Login returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// POST: /User/Login // Code statement that contributes to the application's behavior

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult Login(string Username, string Password, string Role) // Public method Login returns IActionResult with parameters (string Username, string Password, string Role)

{ // Code statement that contributes to the application's behavior

var userLogin = new Users // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Username = Username, // Code statement that contributes to the application's behavior

Password = Password, // Code statement that contributes to the application's behavior

Role = Enum.Parse<UserRole>(Role) // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

// Blank line for readability

if (userService.VerifyUserLogin(userLogin)) // Calls userService to execute business logic

{ // Code statement that contributes to the application's behavior

HttpContext.Session.SetString("UserName", Username); // Code statement that contributes to the application's behavior

HttpContext.Session.SetString("UserRole", Role); // Code statement that contributes to the application's behavior

// Blank line for readability

return Role switch // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

"ADMIN" => RedirectToAction("AdminDashboard"), // Code statement that contributes to the application's behavior

"AGENT" => RedirectToAction("AgentDashboard"), // Code statement that contributes to the application's behavior

"CUSTOMER" => RedirectToAction("CustomerDashboard"), // Code statement that contributes to the application's behavior

\_ => RedirectToAction("Landing", "Home") // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

TempData["LoginError"] = "Invalid username, password, or role."; // Code statement that contributes to the application's behavior

return RedirectToAction("Landing", "Home"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Blank line for readability

public IActionResult AdminDashboard() // Public method AdminDashboard returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (HttpContext.Session.GetString("UserRole") != "ADMIN") // Code statement that contributes to the application's behavior

return RedirectToAction("Login"); // Code statement that contributes to the application's behavior

// Blank line for readability

PopulateAdminStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult AgentDashboard() // Public method AgentDashboard returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (HttpContext.Session.GetString("UserRole") != "AGENT") // Code statement that contributes to the application's behavior

return RedirectToAction("Login"); // Code statement that contributes to the application's behavior

PopulateAdminStats(); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult CustomerDashboard() // Public method CustomerDashboard returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (HttpContext.Session.GetString("UserRole") != "CUSTOMER") // Code statement that contributes to the application's behavior

return RedirectToAction("Login"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Profile() // Public method Profile returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

string username = HttpContext.Session.GetString("UserName"); // Code statement that contributes to the application's behavior

var user = userService.GetAllUsers().FirstOrDefault(u => u.Username == username); // Calls userService to execute business logic

return View(user); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Logout() // Public method Logout returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

HttpContext.Session.Clear(); // Code statement that contributes to the application's behavior

return RedirectToAction("Landing", "Home"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Blank line for readability

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Controllers/CustomerController.cs

using Auto\_Insurance\_System.Data; // Imports the Auto\_Insurance\_System.Data namespace so its types are available

using Auto\_Insurance\_System.Interfaces; // Imports the Auto\_Insurance\_System.Interfaces namespace so its types are available

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Microsoft.AspNetCore.Mvc; // Imports the Microsoft.AspNetCore.Mvc namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

using Auto\_Insurance\_System.Filters; // Imports the Auto\_Insurance\_System.Filters namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Controllers // Declares the namespace Auto\_Insurance\_System.Controllers to logically group related code

{ // Code statement that contributes to the application's behavior

[RoleAuthorizationFilter("CUSTOMER")] // Applies the RoleAuthorizationFilter("CUSTOMER") attribute which modifies behavior/metadata

public class CustomerController : Controller // Declares class CustomerController inheriting from Controller

{ // Code statement that contributes to the application's behavior

private readonly IPolicyService policyService; // Code statement that contributes to the application's behavior

private readonly IClaimService claimService; // Code statement that contributes to the application's behavior

private readonly IPaymentService paymentService; // Code statement that contributes to the application's behavior

private readonly ISupportTicketService ticketService; // Code statement that contributes to the application's behavior

private readonly AutoInsuranceDbContext db; // Uses the EF Core DbContext to query or modify the database

// Blank line for readability

public CustomerController(IPolicyService policyService, IClaimService claimService, IPaymentService paymentService, ISupportTicketService ticketService, AutoInsuranceDbContext db) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

this.policyService = policyService; // Code statement that contributes to the application's behavior

this.claimService = claimService; // Code statement that contributes to the application's behavior

this.paymentService = paymentService; // Code statement that contributes to the application's behavior

this.ticketService = ticketService; // Code statement that contributes to the application's behavior

this.db = db; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

private bool IsCustomer() // Private method IsCustomer returns bool with parameters ()

{ // Code statement that contributes to the application's behavior

return HttpContext.Session.GetString("UserRole") == "CUSTOMER"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

private Users? CurrentUser() // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

var name = HttpContext.Session.GetString("UserName"); // Code statement that contributes to the application's behavior

return db.Users.FirstOrDefault(u => u.Username == name); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Dashboard hubs // Code statement that contributes to the application's behavior

public IActionResult PoliciesHub() // Public method PoliciesHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult ClaimsHub() // Public method ClaimsHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult PaymentsHub() // Public method PaymentsHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult TicketsHub() // Public method TicketsHub returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Policy: create // Code statement that contributes to the application's behavior

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PolicyCreate() // Public method PolicyCreate returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(new Policy { // Code statement that contributes to the application's behavior

PolicyNumber = (new Random()).Next(10000, 99999).ToString(), // Code statement that contributes to the application's behavior

StartDate = DateTime.Today, EndDate = DateTime.Today.AddYears(1), PolicyStatus = PolicyStatus.ACTIVE }); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PolicyCreate(Policy model) // Public method PolicyCreate returns IActionResult with parameters (Policy model)

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please correct the errors and try again."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

//var ok = policyService.CreatePolicy(model); // Calls policyService to execute business logic

//https://localhost:7227/api/admin/policies // Code statement that contributes to the application's behavior

HttpClient client = new HttpClient(); // Code statement that contributes to the application's behavior

client.BaseAddress = new Uri("https://localhost:7227/api/"); // Code statement that contributes to the application's behavior

var result = client.PostAsJsonAsync("admin/policies", model); // Code statement that contributes to the application's behavior

result.Wait(); // Code statement that contributes to the application's behavior

bool ok = false; // Code statement that contributes to the application's behavior

if (result.IsCompleted) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ok = true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Policy created successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("PolicyCreate"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to create policy."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Claims: submit and list my claims // Code statement that contributes to the application's behavior

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult ClaimSubmit() // Public method ClaimSubmit returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(new Claim { ClaimDate = DateTime.Today, ClaimStatus = ClaimStatus.OPEN }); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult ClaimSubmit(Claim model) // Public method ClaimSubmit returns IActionResult with parameters (Claim model)

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please fill all required fields."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Force OPEN status // Code statement that contributes to the application's behavior

model.ClaimStatus = ClaimStatus.OPEN; // Code statement that contributes to the application's behavior

var ok = claimService.SubmitClaim(model); // Calls claimService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Claim submitted successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("ClaimSubmit"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to submit claim."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Claims() // Public method Claims returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var me = CurrentUser(); // Code statement that contributes to the application's behavior

// Assuming AdjusterId is not the customer, use Policy ownership once available; for now show none unless policy filter is used // Code statement that contributes to the application's behavior

var myPolicyIds = db.Policy.Select(p => p.PolicyId).ToList(); // Code statement that contributes to the application's behavior

var claims = db.Claims.AsNoTracking() // Code statement that contributes to the application's behavior

.Where(c => myPolicyIds.Contains(c.PolicyId)) // Code statement that contributes to the application's behavior

.OrderBy(c => c.ClaimDate) // Code statement that contributes to the application's behavior

.ToList(); // Code statement that contributes to the application's behavior

return View(claims); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Payments: make and list my payments // Code statement that contributes to the application's behavior

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult PaymentMake() // Public method PaymentMake returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(new Payment { PaymentDate = DateTime.Today, PaymentStatus = PaymentStatus.SUCCESS }); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult PaymentMake(Payment model) // Public method PaymentMake returns IActionResult with parameters (Payment model)

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please fill all required fields."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Force status to SUCCESS regardless of posted value // Code statement that contributes to the application's behavior

model.PaymentStatus = PaymentStatus.SUCCESS; // Code statement that contributes to the application's behavior

var policy = db.Policy.Find(model.PolicyId); // Code statement that contributes to the application's behavior

if (policy == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"No policy found with id {model.PolicyId}"; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

if (model.PaymentAmount != policy.PremiumAmount) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = $"Amount must equal the policy premium ({policy.PremiumAmount:0.00})."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var ok = paymentService.MakePayment(model); // Calls paymentService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Payment recorded successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("PaymentMake"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to record payment."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Payments() // Public method Payments returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var me = CurrentUser(); // Code statement that contributes to the application's behavior

var myPolicyIds = db.Policy.Select(p => p.PolicyId).ToList(); // Code statement that contributes to the application's behavior

var payments = db.Payments.AsNoTracking() // Code statement that contributes to the application's behavior

.Where(p => myPolicyIds.Contains(p.PolicyId)) // Code statement that contributes to the application's behavior

.OrderBy(p => p.PaymentDate) // Code statement that contributes to the application's behavior

.ToList(); // Code statement that contributes to the application's behavior

return View(payments); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Tickets: create and list my tickets // Code statement that contributes to the application's behavior

[HttpGet] // Maps this action to HTTP HttpGet

public IActionResult TicketCreate() // Public method TicketCreate returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

return View(new SupportTicket { CreatedDate = DateTime.Now, TicketStatus = TicketStatus.OPEN }); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[HttpPost] // Maps this action to HTTP HttpPost

public IActionResult TicketCreate(SupportTicket model) // Public method TicketCreate returns IActionResult with parameters (SupportTicket model)

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

ModelState.Remove(nameof(SupportTicket.CreatedDate)); // Code statement that contributes to the application's behavior

ModelState.Remove(nameof(SupportTicket.User)); // Code statement that contributes to the application's behavior

model.CreatedDate = DateTime.Now; // Code statement that contributes to the application's behavior

model.TicketStatus = TicketStatus.OPEN; // Code statement that contributes to the application's behavior

if (!ModelState.IsValid) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewBag.Error = "Please fill all required fields."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

var ok = ticketService.CreateTicket(model); // Calls ticketService to execute business logic

if (ok) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TempData["Success"] = "Ticket created successfully."; // Code statement that contributes to the application's behavior

return RedirectToAction("TicketCreate"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

ViewBag.Error = "Failed to create ticket."; // Code statement that contributes to the application's behavior

return View(model); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Tickets() // Public method Tickets returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var me = CurrentUser(); // Code statement that contributes to the application's behavior

var tickets = db.SupportTickects.Include(t => t.User).Where(t => t.UserId == me!.UserId).OrderBy(t => t.CreatedDate).ToList(); // Code statement that contributes to the application's behavior

return View(tickets); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Policies() // Public method Policies returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

if (!IsCustomer()) return RedirectToAction("Login", "Auth"); // Code statement that contributes to the application's behavior

var me = CurrentUser(); // Code statement that contributes to the application's behavior

var list = db.Policy.AsNoTracking().OrderBy(p => p.PolicyId).ToList(); // Code statement that contributes to the application's behavior

return View(list); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Controllers/HomeController.cs

using System.Diagnostics; // Imports the System.Diagnostics namespace so its types are available

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Microsoft.AspNetCore.Mvc; // Imports the Microsoft.AspNetCore.Mvc namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Controllers // Declares the namespace Auto\_Insurance\_System.Controllers to logically group related code

{ // Code statement that contributes to the application's behavior

public class HomeController : Controller // Declares class HomeController inheriting from Controller

{ // Code statement that contributes to the application's behavior

private readonly ILogger<HomeController> \_logger; // Code statement that contributes to the application's behavior

// Blank line for readability

public HomeController(ILogger<HomeController> logger) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

\_logger = logger; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Index() // Public method Index returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return RedirectToAction("Landing"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult Privacy() // Public method Privacy returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

[Route("landing")] // Defines a route template "landing" for this controller/action

public IActionResult Landing() // Public method Landing returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult About() // Public method About returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Blank line for readability

[ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)] // Applies the ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true) attribute which modifies behavior/metadata

public IActionResult Error() // Public method Error returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return View(new ErrorViewModel { RequestId = Activity.Current?.Id ?? HttpContext.TraceIdentifier }); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

// Blank line for readability

public IActionResult AccessDenied() // Public method AccessDenied returns IActionResult with parameters ()

{ // Code statement that contributes to the application's behavior

return View(); // Returns a Razor View to render HTML to the client

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Data

## File: Auto\_Insurance\_System/Data/AutoInsuranceDbContext.cs

﻿using Auto\_Insurance\_System.Models; // Code statement that contributes to the application's behavior

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Data // Declares the namespace Auto\_Insurance\_System.Data to logically group related code

{ // Code statement that contributes to the application's behavior

public class AutoInsuranceDbContext : DbContext // Declares class AutoInsuranceDbContext inheriting from DbContext

{ // Code statement that contributes to the application's behavior

public AutoInsuranceDbContext(DbContextOptions<AutoInsuranceDbContext> options) : base(options) { } // Uses the EF Core DbContext to query or modify the database

public virtual DbSet<Policy> Policy { get; set; } // Code statement that contributes to the application's behavior

public virtual DbSet<Claim> Claims { get; set; } // Code statement that contributes to the application's behavior

public virtual DbSet<Payment> Payments { get; set; } // Code statement that contributes to the application's behavior

public virtual DbSet<SupportTicket> SupportTickects { get; set; } // Code statement that contributes to the application's behavior

public virtual DbSet<Users> Users { get; set; } // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Filters

## File: Auto\_Insurance\_System/Filters/AdminAuthorizationFilterAttribute.cs

﻿using Microsoft.AspNetCore.Mvc; // Code statement that contributes to the application's behavior

using Microsoft.AspNetCore.Mvc.Filters; // Imports the Microsoft.AspNetCore.Mvc.Filters namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Filters // Declares the namespace Auto\_Insurance\_System.Filters to logically group related code

{ // Code statement that contributes to the application's behavior

public class AdminAuthorizationFilterAttribute : Attribute, IAuthorizationFilter // Declares class AdminAuthorizationFilterAttribute inheriting from Attribute, IAuthorizationFilter

{ // Code statement that contributes to the application's behavior

public void OnAuthorization(AuthorizationFilterContext context) // Public method OnAuthorization returns void with parameters (AuthorizationFilterContext context)

{ // Code statement that contributes to the application's behavior

string userId = context.HttpContext.Session.GetString("UserName"); // Code statement that contributes to the application's behavior

if (userId != "Admin") // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

context.HttpContext.Session.SetString("Error", "You are not authorized to access the given activity or resource"); // Code statement that contributes to the application's behavior

context.Result = new ViewResult // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewName = "Error" // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Filters/AutoInsuranceExceptionFilter.cs

﻿using Microsoft.AspNetCore.Mvc; // Code statement that contributes to the application's behavior

using Microsoft.AspNetCore.Mvc.Filters; // Imports the Microsoft.AspNetCore.Mvc.Filters namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Filters // Declares the namespace Auto\_Insurance\_System.Filters to logically group related code

{ // Code statement that contributes to the application's behavior

public class AutoInsuranceExceptionFilter : IExceptionFilter // Declares class AutoInsuranceExceptionFilter inheriting from IExceptionFilter

{ // Code statement that contributes to the application's behavior

public void OnException(ExceptionContext context) // Public method OnException returns void with parameters (ExceptionContext context)

{ // Code statement that contributes to the application's behavior

Exception ex = context.Exception; // Code statement that contributes to the application's behavior

context.ExceptionHandled = true; // Code statement that contributes to the application's behavior

string errorMessage = "Server Error " + ex.Message; // Code statement that contributes to the application's behavior

context.HttpContext.Session.SetString("Error", errorMessage); // Code statement that contributes to the application's behavior

context.Result = new ViewResult // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ViewName = "Error" // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Filters/RoleAuthorizationFilterAttribute.cs

using Microsoft.AspNetCore.Mvc; // Imports the Microsoft.AspNetCore.Mvc namespace so its types are available

using Microsoft.AspNetCore.Mvc.Filters; // Imports the Microsoft.AspNetCore.Mvc.Filters namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Filters // Declares the namespace Auto\_Insurance\_System.Filters to logically group related code

{ // Code statement that contributes to the application's behavior

public class RoleAuthorizationFilterAttribute : Attribute, IAuthorizationFilter // Declares class RoleAuthorizationFilterAttribute inheriting from Attribute, IAuthorizationFilter

{ // Code statement that contributes to the application's behavior

private readonly string requiredRole; // Code statement that contributes to the application's behavior

// Blank line for readability

public RoleAuthorizationFilterAttribute(string requiredRole) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

this.requiredRole = requiredRole; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public void OnAuthorization(AuthorizationFilterContext context) // Public method OnAuthorization returns void with parameters (AuthorizationFilterContext context)

{ // Code statement that contributes to the application's behavior

var sessionRole = context.HttpContext.Session.GetString("UserRole"); // Code statement that contributes to the application's behavior

if (string.IsNullOrEmpty(sessionRole) || !string.Equals(sessionRole, requiredRole, StringComparison.OrdinalIgnoreCase)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

context.Result = new RedirectToActionResult("AccessDenied", "Home", null); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Interfaces

## File: Auto\_Insurance\_System/Interfaces/IClaimService.cs

﻿using Auto\_Insurance\_System.Models; // Code statement that contributes to the application's behavior

namespace Auto\_Insurance\_System.Interfaces // Declares the namespace Auto\_Insurance\_System.Interfaces to logically group related code

{ // Code statement that contributes to the application's behavior

public interface IClaimService // Declares interface IClaimService (contract of methods/properties)

{ // Code statement that contributes to the application's behavior

bool SubmitClaim(Claim obj); // Code statement that contributes to the application's behavior

Claim GetClaimDetails(string id); // Code statement that contributes to the application's behavior

bool UpdateClaimStatus(Claim obj); // Code statement that contributes to the application's behavior

List<Claim> GetAllClaims(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Interfaces/IPaymentService.cs

﻿using Auto\_Insurance\_System.Models; // Code statement that contributes to the application's behavior

// Blank line for readability

namespace Auto\_Insurance\_System.Interfaces // Declares the namespace Auto\_Insurance\_System.Interfaces to logically group related code

{ // Code statement that contributes to the application's behavior

public interface IPaymentService // Declares interface IPaymentService (contract of methods/properties)

{ // Code statement that contributes to the application's behavior

bool MakePayment(Payment obj); // Code statement that contributes to the application's behavior

Payment GetPaymentDetails(string id); // Code statement that contributes to the application's behavior

List<Payment> GetPaymentsByPolicy(int policyId); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Interfaces/IPolicyService.cs

﻿using Auto\_Insurance\_System.Models; // Code statement that contributes to the application's behavior

// Blank line for readability

namespace Auto\_Insurance\_System.Interfaces // Declares the namespace Auto\_Insurance\_System.Interfaces to logically group related code

{ // Code statement that contributes to the application's behavior

public interface IPolicyService // Declares interface IPolicyService (contract of methods/properties)

{ // Code statement that contributes to the application's behavior

bool CreatePolicy(Policy obj); // Code statement that contributes to the application's behavior

List<Policy> GetAllPolicies(); // Code statement that contributes to the application's behavior

Policy GetPolicyById(string id); // Code statement that contributes to the application's behavior

bool UpdatePolicy(Policy obj); // Code statement that contributes to the application's behavior

bool DeletePolicy(string id); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Interfaces/ISupportTicketService.cs

﻿using Auto\_Insurance\_System.Models; // Code statement that contributes to the application's behavior

// Blank line for readability

namespace Auto\_Insurance\_System.Interfaces // Declares the namespace Auto\_Insurance\_System.Interfaces to logically group related code

{ // Code statement that contributes to the application's behavior

public interface ISupportTicketService // Declares interface ISupportTicketService (contract of methods/properties)

{ // Code statement that contributes to the application's behavior

bool CreateTicket(SupportTicket ticket); // Code statement that contributes to the application's behavior

SupportTicket GetTickectDetails(int id); // Code statement that contributes to the application's behavior

bool ResolvedTickect(int ticketId); // Code statement that contributes to the application's behavior

bool AssignTicket(int ticketId, int agentUserId); // Code statement that contributes to the application's behavior

List<SupportTicket> GetAllTickects(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Interfaces/IUsersService.cs

﻿using Auto\_Insurance\_System.Models; // Code statement that contributes to the application's behavior

// Blank line for readability

namespace Auto\_Insurance\_System.Interfaces // Declares the namespace Auto\_Insurance\_System.Interfaces to logically group related code

{ // Code statement that contributes to the application's behavior

public interface IUsersService // Declares interface IUsersService (contract of methods/properties)

{ // Code statement that contributes to the application's behavior

bool RegisterUser(Users user); // Code statement that contributes to the application's behavior

Users Login(string username, string password); // Code statement that contributes to the application's behavior

Users GetUserProfile(int userId); // Code statement that contributes to the application's behavior

bool Logout(int userId); // Code statement that contributes to the application's behavior

List<Users> GetAllUsers(); // Code statement that contributes to the application's behavior

bool ChangePassword(Users userLogin); // Code statement that contributes to the application's behavior

bool VerifyUserLogin(Users userLogin); // Code statement that contributes to the application's behavior

// Blank line for readability

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Migrations

## File: Auto\_Insurance\_System/Migrations/20250825124659\_AutoInsuranceContext.Designer.cs

﻿// <auto-generated /> // Code statement that contributes to the application's behavior

using System; // Imports the System namespace so its types are available

using Auto\_Insurance\_System.Data; // Imports the Auto\_Insurance\_System.Data namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

using Microsoft.EntityFrameworkCore.Infrastructure; // Imports the Microsoft.EntityFrameworkCore.Infrastructure namespace so its types are available

using Microsoft.EntityFrameworkCore.Metadata; // Imports the Microsoft.EntityFrameworkCore.Metadata namespace so its types are available

using Microsoft.EntityFrameworkCore.Migrations; // Imports the Microsoft.EntityFrameworkCore.Migrations namespace so its types are available

using Microsoft.EntityFrameworkCore.Storage.ValueConversion; // Imports the Microsoft.EntityFrameworkCore.Storage.ValueConversion namespace so its types are available

// Blank line for readability

#nullable disable // Code statement that contributes to the application's behavior

// Blank line for readability

namespace Auto\_Insurance\_System.Migrations // Declares the namespace Auto\_Insurance\_System.Migrations to logically group related code

{ // Code statement that contributes to the application's behavior

[DbContext(typeof(AutoInsuranceDbContext))] // Applies the DbContext(typeof(AutoInsuranceDbContext)) attribute which modifies behavior/metadata

[Migration("20250825124659\_AutoInsuranceContext")] // Applies the Migration("20250825124659\_AutoInsuranceContext") attribute which modifies behavior/metadata

partial class AutoInsuranceContext // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

/// <inheritdoc /> // Code statement that contributes to the application's behavior

protected override void BuildTargetModel(ModelBuilder modelBuilder) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

#pragma warning disable 612, 618 // Code statement that contributes to the application's behavior

modelBuilder // Code statement that contributes to the application's behavior

.HasAnnotation("ProductVersion", "9.0.7") // Code statement that contributes to the application's behavior

.HasAnnotation("Relational:MaxIdentifierLength", 128); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerModelBuilderExtensions.UseIdentityColumns(modelBuilder); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Claim", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("ClaimId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("ClaimId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("AdjusterId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<decimal>("ClaimAmount") // Code statement that contributes to the application's behavior

.HasColumnType("decimal(18,2)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("ClaimDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("ClaimStatus") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("PolicyId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("ClaimId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasIndex("AdjusterId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasIndex("PolicyId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("Claims"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Payment", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("PaymentId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("PaymentId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<decimal>("PaymentAmount") // Code statement that contributes to the application's behavior

.HasColumnType("decimal(10,2)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("PaymentDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("PaymentStatus") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("PolicyId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("PaymentId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasIndex("PolicyId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("Payments"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Policy", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("PolicyId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("PolicyId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<decimal>("CoverageAmount") // Code statement that contributes to the application's behavior

.HasColumnType("decimal(10,2)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("CoverageType") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(50) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(50)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("EndDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("PolicyNumber") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(50) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(50)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("PolicyStatus") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<decimal>("PremiumAmount") // Code statement that contributes to the application's behavior

.HasColumnType("decimal(10,2)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("StartDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("VehicleDetails") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(200) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(200)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("PolicyId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("Policy"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.SupportTicket", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("TicketId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("TicketId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int?>("AssignedAgentId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("CreatedDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("IssueDescription") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(max)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime?>("ResolvedDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("TicketStatus") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("UserId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("TicketId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasIndex("UserId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("SupportTickets"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Users", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("UserId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("UserId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("Email") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(100) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(100)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("Password") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(255) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(255)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("Role") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("Username") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(50) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(50)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("UserId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("Users"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Claim", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.HasOne("Auto\_Insurance\_System.Models.Users", "Adjuster") // Code statement that contributes to the application's behavior

.WithMany() // Code statement that contributes to the application's behavior

.HasForeignKey("AdjusterId") // Code statement that contributes to the application's behavior

.OnDelete(DeleteBehavior.Cascade) // Code statement that contributes to the application's behavior

.IsRequired(); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasOne("Auto\_Insurance\_System.Models.Policy", "Policy") // Code statement that contributes to the application's behavior

.WithMany() // Code statement that contributes to the application's behavior

.HasForeignKey("PolicyId") // Code statement that contributes to the application's behavior

.OnDelete(DeleteBehavior.Cascade) // Code statement that contributes to the application's behavior

.IsRequired(); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Navigation("Adjuster"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Navigation("Policy"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Payment", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.HasOne("Auto\_Insurance\_System.Models.Policy", "Policy") // Code statement that contributes to the application's behavior

.WithMany() // Code statement that contributes to the application's behavior

.HasForeignKey("PolicyId") // Code statement that contributes to the application's behavior

.OnDelete(DeleteBehavior.Cascade) // Code statement that contributes to the application's behavior

.IsRequired(); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Navigation("Policy"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.SupportTicket", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.HasOne("Auto\_Insurance\_System.Models.Users", "User") // Code statement that contributes to the application's behavior

.WithMany() // Code statement that contributes to the application's behavior

.HasForeignKey("UserId") // Code statement that contributes to the application's behavior

.OnDelete(DeleteBehavior.Cascade) // Code statement that contributes to the application's behavior

.IsRequired(); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Navigation("User"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

#pragma warning restore 612, 618 // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Migrations/20250825124659\_AutoInsuranceContext.cs

﻿using System; // Code statement that contributes to the application's behavior

using Microsoft.EntityFrameworkCore.Migrations; // Imports the Microsoft.EntityFrameworkCore.Migrations namespace so its types are available

// Blank line for readability

#nullable disable // Code statement that contributes to the application's behavior

// Blank line for readability

namespace Auto\_Insurance\_System.Migrations // Declares the namespace Auto\_Insurance\_System.Migrations to logically group related code

{ // Code statement that contributes to the application's behavior

/// <inheritdoc /> // Code statement that contributes to the application's behavior

public partial class AutoInsuranceContext : Migration // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

/// <inheritdoc /> // Code statement that contributes to the application's behavior

protected override void Up(MigrationBuilder migrationBuilder) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

migrationBuilder.CreateTable( // Code statement that contributes to the application's behavior

name: "Policy", // Code statement that contributes to the application's behavior

columns: table => new // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

PolicyId = table.Column<int>(type: "int", nullable: false) // Code statement that contributes to the application's behavior

.Annotation("SqlServer:Identity", "1, 1"), // Code statement that contributes to the application's behavior

PolicyNumber = table.Column<string>(type: "nvarchar(50)", maxLength: 50, nullable: false), // Code statement that contributes to the application's behavior

VehicleDetails = table.Column<string>(type: "nvarchar(200)", maxLength: 200, nullable: false), // Code statement that contributes to the application's behavior

CoverageAmount = table.Column<decimal>(type: "decimal(10,2)", nullable: false), // Code statement that contributes to the application's behavior

CoverageType = table.Column<string>(type: "nvarchar(50)", maxLength: 50, nullable: false), // Code statement that contributes to the application's behavior

PremiumAmount = table.Column<decimal>(type: "decimal(10,2)", nullable: false), // Code statement that contributes to the application's behavior

StartDate = table.Column<DateTime>(type: "datetime2", nullable: false), // Code statement that contributes to the application's behavior

EndDate = table.Column<DateTime>(type: "datetime2", nullable: false), // Code statement that contributes to the application's behavior

PolicyStatus = table.Column<int>(type: "int", nullable: false) // Code statement that contributes to the application's behavior

}, // Code statement that contributes to the application's behavior

constraints: table => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

table.PrimaryKey("PK\_Policy", x => x.PolicyId); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.CreateTable( // Code statement that contributes to the application's behavior

name: "Users", // Code statement that contributes to the application's behavior

columns: table => new // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

UserId = table.Column<int>(type: "int", nullable: false) // Code statement that contributes to the application's behavior

.Annotation("SqlServer:Identity", "1, 1"), // Code statement that contributes to the application's behavior

Username = table.Column<string>(type: "nvarchar(50)", maxLength: 50, nullable: false), // Code statement that contributes to the application's behavior

Password = table.Column<string>(type: "nvarchar(255)", maxLength: 255, nullable: false), // Code statement that contributes to the application's behavior

Email = table.Column<string>(type: "nvarchar(100)", maxLength: 100, nullable: false), // Code statement that contributes to the application's behavior

Role = table.Column<int>(type: "int", nullable: false) // Code statement that contributes to the application's behavior

}, // Code statement that contributes to the application's behavior

constraints: table => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

table.PrimaryKey("PK\_Users", x => x.UserId); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.CreateTable( // Code statement that contributes to the application's behavior

name: "Payments", // Code statement that contributes to the application's behavior

columns: table => new // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

PaymentId = table.Column<int>(type: "int", nullable: false) // Code statement that contributes to the application's behavior

.Annotation("SqlServer:Identity", "1, 1"), // Code statement that contributes to the application's behavior

PolicyId = table.Column<int>(type: "int", nullable: false), // Code statement that contributes to the application's behavior

PaymentAmount = table.Column<decimal>(type: "decimal(10,2)", nullable: false), // Code statement that contributes to the application's behavior

PaymentDate = table.Column<DateTime>(type: "datetime2", nullable: false), // Code statement that contributes to the application's behavior

PaymentStatus = table.Column<int>(type: "int", nullable: false) // Code statement that contributes to the application's behavior

}, // Code statement that contributes to the application's behavior

constraints: table => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

table.PrimaryKey("PK\_Payments", x => x.PaymentId); // Code statement that contributes to the application's behavior

table.ForeignKey( // Code statement that contributes to the application's behavior

name: "FK\_Payments\_Policy\_PolicyId", // Code statement that contributes to the application's behavior

column: x => x.PolicyId, // Code statement that contributes to the application's behavior

principalTable: "Policy", // Code statement that contributes to the application's behavior

principalColumn: "PolicyId", // Code statement that contributes to the application's behavior

onDelete: ReferentialAction.Cascade); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.CreateTable( // Code statement that contributes to the application's behavior

name: "Claims", // Code statement that contributes to the application's behavior

columns: table => new // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ClaimId = table.Column<int>(type: "int", nullable: false) // Code statement that contributes to the application's behavior

.Annotation("SqlServer:Identity", "1, 1"), // Code statement that contributes to the application's behavior

PolicyId = table.Column<int>(type: "int", nullable: false), // Code statement that contributes to the application's behavior

ClaimAmount = table.Column<decimal>(type: "decimal(18,2)", nullable: false), // Code statement that contributes to the application's behavior

ClaimDate = table.Column<DateTime>(type: "datetime2", nullable: false), // Code statement that contributes to the application's behavior

ClaimStatus = table.Column<int>(type: "int", nullable: false), // Code statement that contributes to the application's behavior

AdjusterId = table.Column<int>(type: "int", nullable: false) // Code statement that contributes to the application's behavior

}, // Code statement that contributes to the application's behavior

constraints: table => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

table.PrimaryKey("PK\_Claims", x => x.ClaimId); // Code statement that contributes to the application's behavior

table.ForeignKey( // Code statement that contributes to the application's behavior

name: "FK\_Claims\_Policy\_PolicyId", // Code statement that contributes to the application's behavior

column: x => x.PolicyId, // Code statement that contributes to the application's behavior

principalTable: "Policy", // Code statement that contributes to the application's behavior

principalColumn: "PolicyId", // Code statement that contributes to the application's behavior

onDelete: ReferentialAction.Cascade); // Code statement that contributes to the application's behavior

table.ForeignKey( // Code statement that contributes to the application's behavior

name: "FK\_Claims\_Users\_AdjusterId", // Code statement that contributes to the application's behavior

column: x => x.AdjusterId, // Code statement that contributes to the application's behavior

principalTable: "Users", // Code statement that contributes to the application's behavior

principalColumn: "UserId", // Code statement that contributes to the application's behavior

onDelete: ReferentialAction.Cascade); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.CreateTable( // Code statement that contributes to the application's behavior

name: "SupportTickets", // Code statement that contributes to the application's behavior

columns: table => new // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TicketId = table.Column<int>(type: "int", nullable: false) // Code statement that contributes to the application's behavior

.Annotation("SqlServer:Identity", "1, 1"), // Code statement that contributes to the application's behavior

UserId = table.Column<int>(type: "int", nullable: false), // Code statement that contributes to the application's behavior

AssignedAgentId = table.Column<int>(type: "int", nullable: true), // Code statement that contributes to the application's behavior

IssueDescription = table.Column<string>(type: "nvarchar(max)", nullable: false), // Code statement that contributes to the application's behavior

TicketStatus = table.Column<int>(type: "int", nullable: false), // Code statement that contributes to the application's behavior

CreatedDate = table.Column<DateTime>(type: "datetime2", nullable: false), // Code statement that contributes to the application's behavior

ResolvedDate = table.Column<DateTime>(type: "datetime2", nullable: true) // Code statement that contributes to the application's behavior

}, // Code statement that contributes to the application's behavior

constraints: table => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

table.PrimaryKey("PK\_SupportTickets", x => x.TicketId); // Code statement that contributes to the application's behavior

table.ForeignKey( // Code statement that contributes to the application's behavior

name: "FK\_SupportTickets\_Users\_UserId", // Code statement that contributes to the application's behavior

column: x => x.UserId, // Code statement that contributes to the application's behavior

principalTable: "Users", // Code statement that contributes to the application's behavior

principalColumn: "UserId", // Code statement that contributes to the application's behavior

onDelete: ReferentialAction.Cascade); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.CreateIndex( // Code statement that contributes to the application's behavior

name: "IX\_Claims\_AdjusterId", // Code statement that contributes to the application's behavior

table: "Claims", // Code statement that contributes to the application's behavior

column: "AdjusterId"); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.CreateIndex( // Code statement that contributes to the application's behavior

name: "IX\_Claims\_PolicyId", // Code statement that contributes to the application's behavior

table: "Claims", // Code statement that contributes to the application's behavior

column: "PolicyId"); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.CreateIndex( // Code statement that contributes to the application's behavior

name: "IX\_Payments\_PolicyId", // Code statement that contributes to the application's behavior

table: "Payments", // Code statement that contributes to the application's behavior

column: "PolicyId"); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.CreateIndex( // Code statement that contributes to the application's behavior

name: "IX\_SupportTickets\_UserId", // Code statement that contributes to the application's behavior

table: "SupportTickets", // Code statement that contributes to the application's behavior

column: "UserId"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

/// <inheritdoc /> // Code statement that contributes to the application's behavior

protected override void Down(MigrationBuilder migrationBuilder) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

migrationBuilder.DropTable( // Code statement that contributes to the application's behavior

name: "Claims"); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.DropTable( // Code statement that contributes to the application's behavior

name: "Payments"); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.DropTable( // Code statement that contributes to the application's behavior

name: "SupportTickets"); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.DropTable( // Code statement that contributes to the application's behavior

name: "Policy"); // Code statement that contributes to the application's behavior

// Blank line for readability

migrationBuilder.DropTable( // Code statement that contributes to the application's behavior

name: "Users"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Migrations/AutoInsuranceDbContextModelSnapshot.cs

﻿// <auto-generated /> // Code statement that contributes to the application's behavior

using System; // Imports the System namespace so its types are available

using Auto\_Insurance\_System.Data; // Imports the Auto\_Insurance\_System.Data namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

using Microsoft.EntityFrameworkCore.Infrastructure; // Imports the Microsoft.EntityFrameworkCore.Infrastructure namespace so its types are available

using Microsoft.EntityFrameworkCore.Metadata; // Imports the Microsoft.EntityFrameworkCore.Metadata namespace so its types are available

using Microsoft.EntityFrameworkCore.Storage.ValueConversion; // Imports the Microsoft.EntityFrameworkCore.Storage.ValueConversion namespace so its types are available

// Blank line for readability

#nullable disable // Code statement that contributes to the application's behavior

// Blank line for readability

namespace Auto\_Insurance\_System.Migrations // Declares the namespace Auto\_Insurance\_System.Migrations to logically group related code

{ // Code statement that contributes to the application's behavior

[DbContext(typeof(AutoInsuranceDbContext))] // Applies the DbContext(typeof(AutoInsuranceDbContext)) attribute which modifies behavior/metadata

partial class AutoInsuranceDbContextModelSnapshot : ModelSnapshot // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

protected override void BuildModel(ModelBuilder modelBuilder) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

#pragma warning disable 612, 618 // Code statement that contributes to the application's behavior

modelBuilder // Code statement that contributes to the application's behavior

.HasAnnotation("ProductVersion", "9.0.7") // Code statement that contributes to the application's behavior

.HasAnnotation("Relational:MaxIdentifierLength", 128); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerModelBuilderExtensions.UseIdentityColumns(modelBuilder); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Claim", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("ClaimId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("ClaimId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("AdjusterId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<decimal>("ClaimAmount") // Code statement that contributes to the application's behavior

.HasColumnType("decimal(18,2)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("ClaimDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("ClaimStatus") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("PolicyId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("ClaimId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasIndex("AdjusterId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasIndex("PolicyId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("Claims"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Payment", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("PaymentId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("PaymentId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<decimal>("PaymentAmount") // Code statement that contributes to the application's behavior

.HasColumnType("decimal(10,2)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("PaymentDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("PaymentStatus") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("PolicyId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("PaymentId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasIndex("PolicyId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("Payments"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Policy", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("PolicyId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("PolicyId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<decimal>("CoverageAmount") // Code statement that contributes to the application's behavior

.HasColumnType("decimal(10,2)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("CoverageType") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(50) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(50)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("EndDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("PolicyNumber") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(50) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(50)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("PolicyStatus") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<decimal>("PremiumAmount") // Code statement that contributes to the application's behavior

.HasColumnType("decimal(10,2)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("StartDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("VehicleDetails") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(200) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(200)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("PolicyId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("Policy"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.SupportTicket", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("TicketId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("TicketId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int?>("AssignedAgentId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime>("CreatedDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("IssueDescription") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(max)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<DateTime?>("ResolvedDate") // Code statement that contributes to the application's behavior

.HasColumnType("datetime2"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("TicketStatus") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("UserId") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("TicketId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasIndex("UserId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("SupportTickets"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Users", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.Property<int>("UserId") // Code statement that contributes to the application's behavior

.ValueGeneratedOnAdd() // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

SqlServerPropertyBuilderExtensions.UseIdentityColumn(b.Property<int>("UserId")); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("Email") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(100) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(100)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("Password") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(255) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(255)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<int>("Role") // Code statement that contributes to the application's behavior

.HasColumnType("int"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Property<string>("Username") // Code statement that contributes to the application's behavior

.IsRequired() // Code statement that contributes to the application's behavior

.HasMaxLength(50) // Code statement that contributes to the application's behavior

.HasColumnType("nvarchar(50)"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasKey("UserId"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.ToTable("Users"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Claim", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.HasOne("Auto\_Insurance\_System.Models.Users", "Adjuster") // Code statement that contributes to the application's behavior

.WithMany() // Code statement that contributes to the application's behavior

.HasForeignKey("AdjusterId") // Code statement that contributes to the application's behavior

.OnDelete(DeleteBehavior.Cascade) // Code statement that contributes to the application's behavior

.IsRequired(); // Code statement that contributes to the application's behavior

// Blank line for readability

b.HasOne("Auto\_Insurance\_System.Models.Policy", "Policy") // Code statement that contributes to the application's behavior

.WithMany() // Code statement that contributes to the application's behavior

.HasForeignKey("PolicyId") // Code statement that contributes to the application's behavior

.OnDelete(DeleteBehavior.Cascade) // Code statement that contributes to the application's behavior

.IsRequired(); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Navigation("Adjuster"); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Navigation("Policy"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.Payment", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.HasOne("Auto\_Insurance\_System.Models.Policy", "Policy") // Code statement that contributes to the application's behavior

.WithMany() // Code statement that contributes to the application's behavior

.HasForeignKey("PolicyId") // Code statement that contributes to the application's behavior

.OnDelete(DeleteBehavior.Cascade) // Code statement that contributes to the application's behavior

.IsRequired(); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Navigation("Policy"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

modelBuilder.Entity("Auto\_Insurance\_System.Models.SupportTicket", b => // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

b.HasOne("Auto\_Insurance\_System.Models.Users", "User") // Code statement that contributes to the application's behavior

.WithMany() // Code statement that contributes to the application's behavior

.HasForeignKey("UserId") // Code statement that contributes to the application's behavior

.OnDelete(DeleteBehavior.Cascade) // Code statement that contributes to the application's behavior

.IsRequired(); // Code statement that contributes to the application's behavior

// Blank line for readability

b.Navigation("User"); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

#pragma warning restore 612, 618 // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Models

## File: Auto\_Insurance\_System/Models/Claim.cs

﻿using System.ComponentModel.DataAnnotations; // Code statement that contributes to the application's behavior

using System.ComponentModel.DataAnnotations.Schema; // Imports the System.ComponentModel.DataAnnotations.Schema namespace so its types are available

using Microsoft.AspNetCore.Mvc.ModelBinding.Validation; // Imports the Microsoft.AspNetCore.Mvc.ModelBinding.Validation namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Models // Declares the namespace Auto\_Insurance\_System.Models to logically group related code

{ // Code statement that contributes to the application's behavior

[Table("Claims")] // Applies the Table("Claims") attribute which modifies behavior/metadata

public class Claim // Declares class Claim

{ // Code statement that contributes to the application's behavior

[Key, DatabaseGenerated(DatabaseGeneratedOption.Identity)] // Code statement that contributes to the application's behavior

public int ClaimId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

//[ForeignKey("Policy")] // Code statement that contributes to the application's behavior

[Required(ErrorMessage = "PolicyId is required")] // Applies the Required(ErrorMessage = "PolicyId is required") attribute which modifies behavior/metadata

public int PolicyId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[ValidateNever] // Applies the ValidateNever attribute which modifies behavior/metadata

public Policy? Policy { get; set; } // Navigation property (optional) // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Claim amount is required")] // Applies the Required(ErrorMessage = "Claim amount is required") attribute which modifies behavior/metadata

//[Column(TypeName = "decimal(10,2)")] // Code statement that contributes to the application's behavior

public decimal ClaimAmount { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Claim date is mandatory")] // Applies the Required(ErrorMessage = "Claim date is mandatory") attribute which modifies behavior/metadata

public DateTime ClaimDate { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Claim status is required")] // Applies the Required(ErrorMessage = "Claim status is required") attribute which modifies behavior/metadata

public ClaimStatus ClaimStatus { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[ForeignKey("Adjuster")] // Applies the ForeignKey("Adjuster") attribute which modifies behavior/metadata

[Required(ErrorMessage = "AdjusterId is required")] // Applies the Required(ErrorMessage = "AdjusterId is required") attribute which modifies behavior/metadata

public int AdjusterId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[ValidateNever] // Applies the ValidateNever attribute which modifies behavior/metadata

public Users? Adjuster { get; set; } // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public enum ClaimStatus // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

OPEN, // Code statement that contributes to the application's behavior

APPROVED, // Code statement that contributes to the application's behavior

REJECTED // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Models/ErrorViewModel.cs

namespace Auto\_Insurance\_System.Models // Declares the namespace Auto\_Insurance\_System.Models to logically group related code

{ // Code statement that contributes to the application's behavior

public class ErrorViewModel // Declares class ErrorViewModel

{ // Code statement that contributes to the application's behavior

public string? RequestId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

public bool ShowRequestId => !string.IsNullOrEmpty(RequestId); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Models/Payment.cs

﻿using System; // Code statement that contributes to the application's behavior

using System.ComponentModel.DataAnnotations; // Imports the System.ComponentModel.DataAnnotations namespace so its types are available

using System.ComponentModel.DataAnnotations.Schema; // Imports the System.ComponentModel.DataAnnotations.Schema namespace so its types are available

using Microsoft.AspNetCore.Mvc.ModelBinding.Validation; // Imports the Microsoft.AspNetCore.Mvc.ModelBinding.Validation namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Models // Declares the namespace Auto\_Insurance\_System.Models to logically group related code

{ // Code statement that contributes to the application's behavior

[Table("Payments")] // Applies the Table("Payments") attribute which modifies behavior/metadata

public class Payment // Declares class Payment

{ // Code statement that contributes to the application's behavior

[Key] // Applies the Key attribute which modifies behavior/metadata

[DatabaseGenerated(DatabaseGeneratedOption.Identity)] // Applies the DatabaseGenerated(DatabaseGeneratedOption.Identity) attribute which modifies behavior/metadata

public int PaymentId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "PolicyId is required")] // Applies the Required(ErrorMessage = "PolicyId is required") attribute which modifies behavior/metadata

public int PolicyId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[ForeignKey(nameof(PolicyId))] // Applies the ForeignKey(nameof(PolicyId)) attribute which modifies behavior/metadata

[ValidateNever] // Applies the ValidateNever attribute which modifies behavior/metadata

public Policy? Policy { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Payment amount is required")] // Applies the Required(ErrorMessage = "Payment amount is required") attribute which modifies behavior/metadata

[Column(TypeName = "decimal(10,2)")] // Applies the Column(TypeName = "decimal(10,2)") attribute which modifies behavior/metadata

public decimal PaymentAmount { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Payment date is required")] // Applies the Required(ErrorMessage = "Payment date is required") attribute which modifies behavior/metadata

public DateTime PaymentDate { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Payment status is required")] // Applies the Required(ErrorMessage = "Payment status is required") attribute which modifies behavior/metadata

public PaymentStatus PaymentStatus { get; set; } // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public enum PaymentStatus // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

SUCCESS, // Code statement that contributes to the application's behavior

FAILED, // Code statement that contributes to the application's behavior

PENDING // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Models/Policy.cs

﻿using System.ComponentModel.DataAnnotations; // Code statement that contributes to the application's behavior

using System.ComponentModel.DataAnnotations.Schema; // Imports the System.ComponentModel.DataAnnotations.Schema namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Models // Declares the namespace Auto\_Insurance\_System.Models to logically group related code

{ // Code statement that contributes to the application's behavior

[Table("Policy")] // Applies the Table("Policy") attribute which modifies behavior/metadata

public class Policy // Declares class Policy

{ // Code statement that contributes to the application's behavior

[Key, DatabaseGenerated(DatabaseGeneratedOption.Identity)] // Code statement that contributes to the application's behavior

public int PolicyId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Policy Number is mandatory"), MaxLength(50)] // Applies the Required(ErrorMessage = "Policy Number is mandatory"), MaxLength(50) attribute which modifies behavior/metadata

public string PolicyNumber { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Vehicle Details are mandatory"), MaxLength(200)] // Applies the Required(ErrorMessage = "Vehicle Details are mandatory"), MaxLength(200) attribute which modifies behavior/metadata

public string VehicleDetails { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Coverage Amount is required")] // Applies the Required(ErrorMessage = "Coverage Amount is required") attribute which modifies behavior/metadata

[Column(TypeName = "decimal(10,2)")] // Applies the Column(TypeName = "decimal(10,2)") attribute which modifies behavior/metadata

public decimal CoverageAmount { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Coverage Type is required"), MaxLength(50)] // Applies the Required(ErrorMessage = "Coverage Type is required"), MaxLength(50) attribute which modifies behavior/metadata

public string CoverageType { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Premium Amount is required")] // Applies the Required(ErrorMessage = "Premium Amount is required") attribute which modifies behavior/metadata

[Column(TypeName = "decimal(10,2)")] // Applies the Column(TypeName = "decimal(10,2)") attribute which modifies behavior/metadata

public decimal PremiumAmount { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Policy Start Date is mandatory")] // Applies the Required(ErrorMessage = "Policy Start Date is mandatory") attribute which modifies behavior/metadata

public DateTime StartDate { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Policy End Date is mandatory")] // Applies the Required(ErrorMessage = "Policy End Date is mandatory") attribute which modifies behavior/metadata

public DateTime EndDate { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Policy Status is required")] // Applies the Required(ErrorMessage = "Policy Status is required") attribute which modifies behavior/metadata

public PolicyStatus PolicyStatus { get; set; } // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public enum PolicyStatus // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ACTIVE, // Code statement that contributes to the application's behavior

INACTIVE, // Code statement that contributes to the application's behavior

RENEWED // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Models/SupportTicket.cs

﻿using System; // Code statement that contributes to the application's behavior

using System.ComponentModel.DataAnnotations; // Imports the System.ComponentModel.DataAnnotations namespace so its types are available

using System.ComponentModel.DataAnnotations.Schema; // Imports the System.ComponentModel.DataAnnotations.Schema namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Models // Declares the namespace Auto\_Insurance\_System.Models to logically group related code

{ // Code statement that contributes to the application's behavior

[Table("SupportTickets")] // Applies the Table("SupportTickets") attribute which modifies behavior/metadata

public class SupportTicket // Declares class SupportTicket

{ // Code statement that contributes to the application's behavior

[Key, DatabaseGenerated(DatabaseGeneratedOption.Identity)] // Code statement that contributes to the application's behavior

public int TicketId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "User Id is required")] // Applies the Required(ErrorMessage = "User Id is required") attribute which modifies behavior/metadata

public int UserId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[ForeignKey(nameof(UserId))] // Applies the ForeignKey(nameof(UserId)) attribute which modifies behavior/metadata

public Users User { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

public int? AssignedAgentId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Issue description is required")] // Applies the Required(ErrorMessage = "Issue description is required") attribute which modifies behavior/metadata

public string IssueDescription { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Ticket status is required")] // Applies the Required(ErrorMessage = "Ticket status is required") attribute which modifies behavior/metadata

public TicketStatus TicketStatus { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Created date is required")] // Applies the Required(ErrorMessage = "Created date is required") attribute which modifies behavior/metadata

public DateTime CreatedDate { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

public DateTime? ResolvedDate { get; set; } // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public enum TicketStatus // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

OPEN, // Code statement that contributes to the application's behavior

RESOLVED // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Models/Users.cs

﻿using System; // Code statement that contributes to the application's behavior

using System.ComponentModel.DataAnnotations; // Imports the System.ComponentModel.DataAnnotations namespace so its types are available

using System.ComponentModel.DataAnnotations.Schema; // Imports the System.ComponentModel.DataAnnotations.Schema namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Models // Declares the namespace Auto\_Insurance\_System.Models to logically group related code

{ // Code statement that contributes to the application's behavior

[Table("Users")] // Applies the Table("Users") attribute which modifies behavior/metadata

public class Users // Declares class Users

{ // Code statement that contributes to the application's behavior

[Key, DatabaseGenerated(DatabaseGeneratedOption.Identity)] // Code statement that contributes to the application's behavior

public int UserId { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Username is required")] // Applies the Required(ErrorMessage = "Username is required") attribute which modifies behavior/metadata

[MaxLength(50, ErrorMessage = "Username cannot exceed 50 characters")] // Applies the MaxLength(50, ErrorMessage = "Username cannot exceed 50 characters") attribute which modifies behavior/metadata

public string Username { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Password is required")] // Applies the Required(ErrorMessage = "Password is required") attribute which modifies behavior/metadata

[MaxLength(255, ErrorMessage = "Password cannot exceed 255 characters")] // Applies the MaxLength(255, ErrorMessage = "Password cannot exceed 255 characters") attribute which modifies behavior/metadata

public string Password { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Email is required")] // Applies the Required(ErrorMessage = "Email is required") attribute which modifies behavior/metadata

[MaxLength(100, ErrorMessage = "Email cannot exceed 100 characters")] // Applies the MaxLength(100, ErrorMessage = "Email cannot exceed 100 characters") attribute which modifies behavior/metadata

[EmailAddress(ErrorMessage = "Invalid email format")] // Applies the EmailAddress(ErrorMessage = "Invalid email format") attribute which modifies behavior/metadata

public string Email { get; set; } // Code statement that contributes to the application's behavior

// Blank line for readability

[Required(ErrorMessage = "Role is required")] // Applies the Required(ErrorMessage = "Role is required") attribute which modifies behavior/metadata

public UserRole Role { get; set; } // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public enum UserRole // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ADMIN, // Code statement that contributes to the application's behavior

AGENT, // Code statement that contributes to the application's behavior

CUSTOMER // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Properties

## File: Auto\_Insurance\_System/Properties/launchSettings.json

﻿{ // JSON/config line setting application behavior

"$schema": "https://json.schemastore.org/launchsettings.json", // JSON/config line setting application behavior

"profiles": { // Configures the setting 'profiles'

"http": { // Configures the setting 'http'

"commandName": "Project", // Configures the setting 'commandName'

"dotnetRunMessages": true, // Configures the setting 'dotnetRunMessages'

"launchBrowser": true, // Configures the setting 'launchBrowser'

"launchUrl": "landing", // Configures the setting 'launchUrl'

"applicationUrl": "http://localhost:5190", // Configures the setting 'applicationUrl'

"environmentVariables": { // Configures the setting 'environmentVariables'

"ASPNETCORE\_ENVIRONMENT": "Development" // Configures the setting 'ASPNETCORE\_ENVIRONMENT'

} // Ends a JSON object

}, // Ends a JSON object

"https": { // Configures the setting 'https'

"commandName": "Project", // Configures the setting 'commandName'

"dotnetRunMessages": true, // Configures the setting 'dotnetRunMessages'

"launchBrowser": true, // Configures the setting 'launchBrowser'

"launchUrl": "landing", // Configures the setting 'launchUrl'

"applicationUrl": "https://localhost:7194;http://localhost:5190", // Configures the setting 'applicationUrl'

"environmentVariables": { // Configures the setting 'environmentVariables'

"ASPNETCORE\_ENVIRONMENT": "Development" // Configures the setting 'ASPNETCORE\_ENVIRONMENT'

} // Ends a JSON object

} // Ends a JSON object

} // Ends a JSON object

} // Ends a JSON object

## Folder: Services

## File: Auto\_Insurance\_System/Services/ClaimService.cs

﻿using Auto\_Insurance\_System.Data; // Code statement that contributes to the application's behavior

using Auto\_Insurance\_System.Interfaces; // Imports the Auto\_Insurance\_System.Interfaces namespace so its types are available

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Services // Declares the namespace Auto\_Insurance\_System.Services to logically group related code

{ // Code statement that contributes to the application's behavior

public class ClaimService : IClaimService // Declares class ClaimService inheriting from IClaimService

{ // Code statement that contributes to the application's behavior

private readonly AutoInsuranceDbContext context; // Uses the EF Core DbContext to query or modify the database

public ClaimService(AutoInsuranceDbContext db) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

context = db; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public List<Claim> GetAllClaims() // Public method GetAllClaims returns List<Claim> with parameters ()

{ // Code statement that contributes to the application's behavior

DbSet<Claim> claims = context.Claims; // Code statement that contributes to the application's behavior

return claims.ToList(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public Claim GetClaimDetails(string id) // Public method GetClaimDetails returns Claim with parameters (string id)

{ // Code statement that contributes to the application's behavior

int claimId = Convert.ToInt32(id); // Code statement that contributes to the application's behavior

DbSet<Claim> claims = context.Claims; // Code statement that contributes to the application's behavior

Claim claim = claims.Find(claimId); // Code statement that contributes to the application's behavior

return claim; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public bool SubmitClaim(Claim obj) // Public method SubmitClaim returns bool with parameters (Claim obj)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

DbSet<Claim> claims = context.Claims; // Code statement that contributes to the application's behavior

claims.Add(obj); // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Console.WriteLine(ex.ToString()); // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public bool UpdateClaimStatus(Claim obj) // Public method UpdateClaimStatus returns bool with parameters (Claim obj)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

DbSet<Claim> claims = context.Claims; // Code statement that contributes to the application's behavior

Claim c = claims.Find(obj.ClaimId); // Code statement that contributes to the application's behavior

if (c != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

c.PolicyId = obj.PolicyId; // Code statement that contributes to the application's behavior

c.ClaimStatus = obj.ClaimStatus; // Code statement that contributes to the application's behavior

c.ClaimAmount = obj.ClaimAmount; // Code statement that contributes to the application's behavior

c.ClaimDate = obj.ClaimDate; // Code statement that contributes to the application's behavior

c.AdjusterId = obj.AdjusterId; // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

else // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Services/PaymentService.cs

﻿using Auto\_Insurance\_System.Data; // Code statement that contributes to the application's behavior

using Auto\_Insurance\_System.Interfaces; // Imports the Auto\_Insurance\_System.Interfaces namespace so its types are available

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

using System; // Imports the System namespace so its types are available

using System.Collections.Generic; // Imports the System.Collections.Generic namespace so its types are available

using System.Diagnostics; // Imports the System.Diagnostics namespace so its types are available

using System.Linq; // Imports the System.Linq namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Services // Declares the namespace Auto\_Insurance\_System.Services to logically group related code

{ // Code statement that contributes to the application's behavior

public class PaymentService : IPaymentService // Declares class PaymentService inheriting from IPaymentService

{ // Code statement that contributes to the application's behavior

private readonly AutoInsuranceDbContext context; // Uses the EF Core DbContext to query or modify the database

// Blank line for readability

public PaymentService(AutoInsuranceDbContext db) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

context = db; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public bool MakePayment(Payment obj) // Public method MakePayment returns bool with parameters (Payment obj)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

var policy = context.Policy.Find(obj.PolicyId); // Code statement that contributes to the application's behavior

if (policy == null) return false; // Code statement that contributes to the application's behavior

if (obj.PaymentAmount != policy.PremiumAmount) return false; // Code statement that contributes to the application's behavior

// Blank line for readability

DbSet<Payment> payments = context.Payments; // Code statement that contributes to the application's behavior

payments.Add(obj); // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Console.WriteLine(ex.ToString()); // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public Payment GetPaymentDetails(string id) // Public method GetPaymentDetails returns Payment with parameters (string id)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

int payId = Convert.ToInt32(id); // Code statement that contributes to the application's behavior

DbSet<Payment> payments = context.Payments; // Code statement that contributes to the application's behavior

Payment p = payments.Find(payId); // Code statement that contributes to the application's behavior

return p; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Debug.WriteLine("Error fetching payment details: " + ex.Message); // Code statement that contributes to the application's behavior

return null; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public List<Payment> GetPaymentsByPolicy(int policyId) // Public method GetPaymentsByPolicy returns List<Payment> with parameters (int policyId)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

DbSet<Payment> payments = context.Payments; // Code statement that contributes to the application's behavior

return payments // Code statement that contributes to the application's behavior

.Where(p => p.PolicyId == policyId) // Code statement that contributes to the application's behavior

.Include(p => p.Policy) // Code statement that contributes to the application's behavior

.ToList(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Debug.WriteLine("Error fetching payments by policy: " + ex.Message); // Code statement that contributes to the application's behavior

return new List<Payment>(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Services/PolicyService.cs

﻿using Auto\_Insurance\_System.Data; // Code statement that contributes to the application's behavior

using Auto\_Insurance\_System.Interfaces; // Imports the Auto\_Insurance\_System.Interfaces namespace so its types are available

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

using System.Diagnostics; // Imports the System.Diagnostics namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Services // Declares the namespace Auto\_Insurance\_System.Services to logically group related code

{ // Code statement that contributes to the application's behavior

public class PolicyService : IPolicyService // Declares class PolicyService inheriting from IPolicyService

{ // Code statement that contributes to the application's behavior

private readonly AutoInsuranceDbContext context; // Uses the EF Core DbContext to query or modify the database

public PolicyService(AutoInsuranceDbContext db) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

context = db; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public bool CreatePolicy(Policy obj) // Public method CreatePolicy returns bool with parameters (Policy obj)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

DbSet<Policy> policies = context.Policy; // Code statement that contributes to the application's behavior

policies.Add(obj); // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch(Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Debug.WriteLine(ex); // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

} // Code statement that contributes to the application's behavior

// Blank line for readability

public List<Policy> GetAllPolicies() // Public method GetAllPolicies returns List<Policy> with parameters ()

{ // Code statement that contributes to the application's behavior

DbSet<Policy> policies = context.Policy; // Code statement that contributes to the application's behavior

return policies.ToList(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public Policy GetPolicyById(string id) // Public method GetPolicyById returns Policy with parameters (string id)

{ // Code statement that contributes to the application's behavior

int policyId = Convert.ToInt32(id); // Code statement that contributes to the application's behavior

DbSet<Policy> policies = context.Policy; // Code statement that contributes to the application's behavior

Policy policy = policies.Find(policyId); // Code statement that contributes to the application's behavior

return policy; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public bool UpdatePolicy(Policy obj) // Public method UpdatePolicy returns bool with parameters (Policy obj)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

DbSet<Policy> policies = context.Policy; // Code statement that contributes to the application's behavior

Policy policy = policies.Find(obj.PolicyId); // Code statement that contributes to the application's behavior

if (policy != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

policy.PolicyNumber = obj.PolicyNumber; // Code statement that contributes to the application's behavior

policy.PolicyStatus = obj.PolicyStatus; // Code statement that contributes to the application's behavior

policy.VehicleDetails = obj.VehicleDetails; // Code statement that contributes to the application's behavior

policy.CoverageAmount = obj.CoverageAmount; // Code statement that contributes to the application's behavior

policy.CoverageType = obj.CoverageType; // Code statement that contributes to the application's behavior

policy.PremiumAmount = obj.PremiumAmount; // Code statement that contributes to the application's behavior

policy.StartDate = obj.StartDate; // Code statement that contributes to the application's behavior

policy.EndDate = obj.EndDate; // Code statement that contributes to the application's behavior

// Blank line for readability

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

else // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Debug.WriteLine("-----------------------------------------------"); // Code statement that contributes to the application's behavior

Debug.WriteLine(ex.Message); // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public bool DeletePolicy(string id) // Public method DeletePolicy returns bool with parameters (string id)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

DbSet<Policy> policies = context.Policy; // Code statement that contributes to the application's behavior

int policyId = Convert.ToInt32(id); // Code statement that contributes to the application's behavior

Policy policy = policies.Find(policyId); // Code statement that contributes to the application's behavior

if (policy != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

policies.Remove(policy); // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

else // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

Debug.WriteLine("-----------------------------------------------"); // Code statement that contributes to the application's behavior

Debug.WriteLine(ex.Message); // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Services/SupportTicketService.cs

﻿using Auto\_Insurance\_System.Data; // Code statement that contributes to the application's behavior

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Auto\_Insurance\_System.Interfaces; // Imports the Auto\_Insurance\_System.Interfaces namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Services // Declares the namespace Auto\_Insurance\_System.Services to logically group related code

{ // Code statement that contributes to the application's behavior

public class SupportTicketService : ISupportTicketService // Declares class SupportTicketService inheriting from ISupportTicketService

{ // Code statement that contributes to the application's behavior

private readonly AutoInsuranceDbContext context; // Uses the EF Core DbContext to query or modify the database

public SupportTicketService(AutoInsuranceDbContext db) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

context = db; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

public bool CreateTicket(SupportTicket ticket) // Public method CreateTicket returns bool with parameters (SupportTicket ticket)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

DbSet<SupportTicket> tickets = context.SupportTickects; // Code statement that contributes to the application's behavior

tickets.Add(ticket); // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

public SupportTicket GetTickectDetails(int id) // Public method GetTickectDetails returns SupportTicket with parameters (int id)

{ // Code statement that contributes to the application's behavior

return context.SupportTickects.Include(t=>t.User).FirstOrDefault(t => t.TicketId == id); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public bool ResolvedTickect(int ticketId) // Public method ResolvedTickect returns bool with parameters (int ticketId)

{ // Code statement that contributes to the application's behavior

var t = context.SupportTickects.Find(ticketId); // Code statement that contributes to the application's behavior

if (t == null) return false; // Code statement that contributes to the application's behavior

t.TicketStatus = TicketStatus.RESOLVED; // Code statement that contributes to the application's behavior

t.ResolvedDate = DateTime.Now; // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public bool AssignTicket(int ticketId, int agentUserId) // Public method AssignTicket returns bool with parameters (int ticketId, int agentUserId)

{ // Code statement that contributes to the application's behavior

var t = context.SupportTickects.Find(ticketId); // Code statement that contributes to the application's behavior

if (t == null) return false; // Code statement that contributes to the application's behavior

t.AssignedAgentId = agentUserId; // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public List<SupportTicket> GetAllTickects() // Public method GetAllTickects returns List<SupportTicket> with parameters ()

{ // Code statement that contributes to the application's behavior

return context.SupportTickects.Include(t => t.User).ToList(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Blank line for readability

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Services/UsersService.cs

﻿using Auto\_Insurance\_System.Data; // Code statement that contributes to the application's behavior

using Auto\_Insurance\_System.Interfaces; // Imports the Auto\_Insurance\_System.Interfaces namespace so its types are available

using Auto\_Insurance\_System.Models; // Imports the Auto\_Insurance\_System.Models namespace so its types are available

using Microsoft.EntityFrameworkCore; // Imports the Microsoft.EntityFrameworkCore namespace so its types are available

using System.Linq; // Imports the System.Linq namespace so its types are available

// Blank line for readability

namespace Auto\_Insurance\_System.Services // Declares the namespace Auto\_Insurance\_System.Services to logically group related code

{ // Code statement that contributes to the application's behavior

public class UsersService : IUsersService // Declares class UsersService inheriting from IUsersService

{ // Code statement that contributes to the application's behavior

private readonly AutoInsuranceDbContext context; // Uses the EF Core DbContext to query or modify the database

// Blank line for readability

public UsersService(AutoInsuranceDbContext context) // Uses the EF Core DbContext to query or modify the database

{ // Code statement that contributes to the application's behavior

this.context = context; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public bool RegisterUser(Users user) // Public method RegisterUser returns bool with parameters (Users user)

{ // Code statement that contributes to the application's behavior

try // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

DbSet<Users> users = context.Users; // Code statement that contributes to the application's behavior

users.Add(user); // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

catch (Exception ex) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public Users Login(string username, string password) // Public method Login returns Users with parameters (string username, string password)

{ // Code statement that contributes to the application's behavior

return context.Users.FirstOrDefault(u => u.Username == username && u.Password == password); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public Users GetUserProfile(int userId) // Public method GetUserProfile returns Users with parameters (int userId)

{ // Code statement that contributes to the application's behavior

return context.Users.Find(userId); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

public List<Users> GetAllUsers() // Public method GetAllUsers returns List<Users> with parameters ()

{ // Code statement that contributes to the application's behavior

return context.Users.ToList(); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

public bool Logout(int userId) // Public method Logout returns bool with parameters (int userId)

{ // Code statement that contributes to the application's behavior

Users user =GetAllUsers().FirstOrDefault(u => u.UserId == userId); // Code statement that contributes to the application's behavior

if (user == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

context.Users.Remove(user); // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Blank line for readability

// Blank line for readability

public bool ChangePassword(Users userLogin) // Public method ChangePassword returns bool with parameters (Users userLogin)

{ // Code statement that contributes to the application's behavior

Users user = GetAllUsers().FirstOrDefault(u => u.UserId == userLogin.UserId); // Code statement that contributes to the application's behavior

if (user == null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

user.Password = userLogin.Password; // Code statement that contributes to the application's behavior

context.SaveChanges(); // Code statement that contributes to the application's behavior

return true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Blank line for readability

public bool VerifyUserLogin(Users userLogin) // Public method VerifyUserLogin returns bool with parameters (Users userLogin)

{ // Code statement that contributes to the application's behavior

Users user = context.Users.FirstOrDefault(u => // Code statement that contributes to the application's behavior

u.Username == userLogin.Username && // Code statement that contributes to the application's behavior

u.Password == userLogin.Password && // Code statement that contributes to the application's behavior

u.Role == userLogin.Role); // Code statement that contributes to the application's behavior

// Blank line for readability

return user != null; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## Folder: Views

## File: Auto\_Insurance\_System/Views/Admin/ClaimDetails.cshtml

@model Auto\_Insurance\_System.Models.Claim // Specifies the model type for this view: Auto\_Insurance\_System.Models.Claim

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Claim Details"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Get Claim Details</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm mb-3"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-2"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" name="claimId" placeholder="Enter Claim Id" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary w-100" type="submit">Search</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning mt-3">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (Model != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-header bg-light">Claim #@Model.ClaimId</div> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"><strong>Policy:</strong> @Model.PolicyId</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"><strong>Amount:</strong> @String.Format("{0:N2}", Model.ClaimAmount)</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"><strong>Date:</strong> @Model.ClaimDate.ToString("dd-MMM-yyyy")</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"><strong>Status:</strong> @Model.ClaimStatus</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"><strong>Adjuster:</strong> @Model.AdjusterId</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/ClaimSubmit.cshtml

@model Auto\_Insurance\_System.Models.Claim // Specifies the model type for this view: Auto\_Insurance\_System.Models.Claim

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Submit Claim"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Submit Claim</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div asp-validation-summary="All" class="text-danger"></div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" asp-for="PolicyId" required /> // HTML/Razor markup element rendered to the page

<div class="form-text">Enter an existing policy id. Create one first if needed.</div> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="PolicyId"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" step="0.01" asp-for="ClaimAmount" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="ClaimAmount"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="date" asp-for="ClaimDate" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="ClaimDate"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Status</label> // HTML/Razor markup element rendered to the page

<select class="form-select" asp-for="ClaimStatus"> // HTML/Razor markup element rendered to the page

<option>OPEN</option> // HTML/Razor markup element rendered to the page

<option>APPROVED</option> // HTML/Razor markup element rendered to the page

<option>REJECTED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="ClaimStatus"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Adjuster Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" asp-for="AdjusterId" required /> // HTML/Razor markup element rendered to the page

<div class="form-text">Enter an existing user id (e.g., an AGENT).</div> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="AdjusterId"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Submit</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<partial name="\_ValidationScriptsPartial" /> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Admin/ClaimUpdateStatus.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Update Claim Status"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Update Claim Status</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Success != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@ViewBag.Success</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Claim Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" name="claimId" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Status</label> // HTML/Razor markup element rendered to the page

<select class="form-select" name="status"> // HTML/Razor markup element rendered to the page

<option value="OPEN">OPEN</option> // HTML/Razor markup element rendered to the page

<option value="APPROVED">APPROVED</option> // HTML/Razor markup element rendered to the page

<option value="REJECTED">REJECTED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Adjuster Id (optional)</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" name="adjusterId" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Update</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/Claims.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Claim> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Claim>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Claims"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container-fluid py-3"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Claims</h2> // HTML/Razor markup element rendered to the page

<div class="d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-success" data-bs-toggle="modal" data-bs-target="#claimModal">Submit Claim</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="Console">Admin Console</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="row g-2 mb-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<select id="claimStatusFilter" class="form-select"> // HTML/Razor markup element rendered to the page

<option value="">All Statuses</option> // HTML/Razor markup element rendered to the page

<option value="OPEN">Open</option> // HTML/Razor markup element rendered to the page

<option value="APPROVED">Approved</option> // HTML/Razor markup element rendered to the page

<option value="REJECTED">Rejected</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<input id="claimSearch" class="form-control" placeholder="Search by claim id, policy id or adjuster" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle" id="claimsTable"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Claim Id</th> // HTML/Razor markup element rendered to the page

<th>Policy Id</th> // HTML/Razor markup element rendered to the page

<th>Amount</th> // HTML/Razor markup element rendered to the page

<th>Date</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Adjuster</th> // HTML/Razor markup element rendered to the page

<th>Actions</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var c in Model.OrderByDescending(x => x.ClaimDate)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr data-status="@c.ClaimStatus"> // HTML/Razor markup element rendered to the page

<td>@c.ClaimId</td> // HTML/Razor markup element rendered to the page

<td>@c.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@String.Format("{0:N2}", c.ClaimAmount)</td> // HTML/Razor markup element rendered to the page

<td>@c.ClaimDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td><span class="badge @GetClaimBadge(c.ClaimStatus)">@c.ClaimStatus</span></td> // HTML/Razor markup element rendered to the page

<td>@c.AdjusterId</td> // HTML/Razor markup element rendered to the page

<td> // HTML/Razor markup element rendered to the page

<button class="btn btn-sm btn-outline-success me-1" onclick="openStatus(@c.ClaimId, 'APPROVED')">Approve</button> // HTML/Razor markup element rendered to the page

<button class="btn btn-sm btn-outline-danger me-1" onclick="openStatus(@c.ClaimId, 'REJECTED')">Reject</button> // HTML/Razor markup element rendered to the page

<button class="btn btn-sm btn-outline-secondary" onclick="prefillClaim(@c.ClaimId,@c.PolicyId,@c.ClaimAmount,'@c.ClaimDate.ToString("yyyy-MM-dd")',@((int)c.ClaimStatus),@c.AdjusterId)" data-bs-toggle="modal" data-bs-target="#claimModal">Edit</button> // HTML/Razor markup element rendered to the page

</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- Claim Modal (reuse) --> // HTML/Razor markup element rendered to the page

<div class="modal fade" id="claimModal" tabindex="-1" aria-hidden="true"> // HTML/Razor markup element rendered to the page

<div class="modal-dialog"> // HTML/Razor markup element rendered to the page

<div class="modal-content"> // HTML/Razor markup element rendered to the page

<div class="modal-header"><h5 class="modal-title">Claim</h5><button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button></div> // HTML/Razor markup element rendered to the page

<div class="modal-body"> // HTML/Razor markup element rendered to the page

<form id="claimForm" class="row g-2"> // HTML/Razor markup element rendered to the page

<input type="hidden" name="ClaimId" id="ClaimId" /> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="number" name="PolicyId" id="PolicyId" placeholder="Policy Id" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="number" step="0.01" name="ClaimAmount" id="ClaimAmount" placeholder="Amount" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="date" name="ClaimDate" id="ClaimDate" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<select class="form-select" name="ClaimStatus" id="ClaimStatus" required> // HTML/Razor markup element rendered to the page

<option value="OPEN">OPEN</option> // HTML/Razor markup element rendered to the page

<option value="APPROVED">APPROVED</option> // HTML/Razor markup element rendered to the page

<option value="REJECTED">REJECTED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="number" name="AdjusterId" id="AdjusterId" placeholder="Adjuster Id" required></div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="modal-footer"> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-primary" id="submitClaimBtn">Save</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

function prefillClaim(id, policyId, amount, date, status, adjuster){ // Code statement that contributes to the application's behavior

document.getElementById('ClaimId').value=id||''; // Code statement that contributes to the application's behavior

document.getElementById('PolicyId').value=policyId||''; // Code statement that contributes to the application's behavior

document.getElementById('ClaimAmount').value=amount||''; // Code statement that contributes to the application's behavior

document.getElementById('ClaimDate').value=date||''; // Code statement that contributes to the application's behavior

const sel=document.getElementById('ClaimStatus'); // Code statement that contributes to the application's behavior

sel.value = status===0?'OPEN':status===1?'APPROVED':'REJECTED'; // Code statement that contributes to the application's behavior

document.getElementById('AdjusterId').value=adjuster||''; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

function openStatus(id, status){ // Code statement that contributes to the application's behavior

const form=new FormData(); form.append('claimId', id); form.append('status', status); // Code statement that contributes to the application's behavior

fetch('/Admin/AdminUpdateClaimStatus', {method:'POST', body:form}).then(r=>{ // Code statement that contributes to the application's behavior

if(r.ok){ location.reload(); } else { alert('Failed to update'); } // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Filters // Code statement that contributes to the application's behavior

const statusFilter = document.getElementById('claimStatusFilter'); // Code statement that contributes to the application's behavior

const search = document.getElementById('claimSearch'); // Code statement that contributes to the application's behavior

const table = document.getElementById('claimsTable'); // Code statement that contributes to the application's behavior

function applyFilters() { // Code statement that contributes to the application's behavior

const status = statusFilter.value; // Code statement that contributes to the application's behavior

const q = search.value.toLowerCase(); // Code statement that contributes to the application's behavior

Array.from(table.querySelectorAll('tbody tr')).forEach(r => { // Code statement that contributes to the application's behavior

const matchStatus = !status || r.getAttribute('data-status') === status; // Code statement that contributes to the application's behavior

const text = r.innerText.toLowerCase(); // Code statement that contributes to the application's behavior

const matchText = text.includes(q); // Code statement that contributes to the application's behavior

r.style.display = matchStatus && matchText ? '' : 'none'; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

statusFilter.addEventListener('change', applyFilters); // Code statement that contributes to the application's behavior

search.addEventListener('input', applyFilters); // Code statement that contributes to the application's behavior

// Blank line for readability

// Submit/save claim // Code statement that contributes to the application's behavior

const submitClaimBtn=document.getElementById('submitClaimBtn'); // Code statement that contributes to the application's behavior

submitClaimBtn.addEventListener('click', async ()=>{ // Code statement that contributes to the application's behavior

const form=new FormData(document.getElementById('claimForm')); // Code statement that contributes to the application's behavior

const res=await fetch('/Admin/AdminSubmitClaim',{method:'POST', body:form}); // Code statement that contributes to the application's behavior

if(res.ok){ location.reload(); } else { alert('Failed'); } // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

@functions{ // Code statement that contributes to the application's behavior

string GetClaimBadge(ClaimStatus status) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return status switch // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

ClaimStatus.OPEN => "bg-warning text-dark", // Code statement that contributes to the application's behavior

ClaimStatus.APPROVED => "bg-success", // Code statement that contributes to the application's behavior

ClaimStatus.REJECTED => "bg-danger", // Code statement that contributes to the application's behavior

\_ => "bg-light text-dark" // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Admin/ClaimsAll.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Claim> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Claim>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "All Claims"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">All Claims</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="row g-2 mb-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<select id="statusFilter" class="form-select"> // HTML/Razor markup element rendered to the page

<option value="">All Statuses</option> // HTML/Razor markup element rendered to the page

<option>OPEN</option> // HTML/Razor markup element rendered to the page

<option>APPROVED</option> // HTML/Razor markup element rendered to the page

<option>REJECTED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<input id="q" class="form-control" placeholder="Search claim id, policy id, adjuster" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle" id="tbl"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Claim Id</th> // HTML/Razor markup element rendered to the page

<th>Policy</th> // HTML/Razor markup element rendered to the page

<th>Amount</th> // HTML/Razor markup element rendered to the page

<th>Date</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Adjuster</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var c in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr data-status="@c.ClaimStatus"> // HTML/Razor markup element rendered to the page

<td>@c.ClaimId</td> // HTML/Razor markup element rendered to the page

<td>@c.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@String.Format("{0:N2}", c.ClaimAmount)</td> // HTML/Razor markup element rendered to the page

<td>@c.ClaimDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td>@c.ClaimStatus</td> // HTML/Razor markup element rendered to the page

<td>@c.AdjusterId</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

const status = document.getElementById('statusFilter'); // Code statement that contributes to the application's behavior

const q = document.getElementById('q'); // Code statement that contributes to the application's behavior

const tbl = document.getElementById('tbl'); // Code statement that contributes to the application's behavior

function apply(){ // Code statement that contributes to the application's behavior

const s=status.value; const query=q.value.toLowerCase(); // Code statement that contributes to the application's behavior

Array.from(tbl.querySelectorAll('tbody tr')).forEach(r=>{ // Code statement that contributes to the application's behavior

const okS = !s || r.getAttribute('data-status')===s; // Code statement that contributes to the application's behavior

const okQ = r.innerText.toLowerCase().includes(query); // Code statement that contributes to the application's behavior

r.style.display = okS && okQ ? '' : 'none'; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

status.addEventListener('change', apply); // Code statement that contributes to the application's behavior

q.addEventListener('input', apply); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Admin/ClaimsHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Claims Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Claims</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AdminDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="ClaimsAll"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3"><i class="bi bi-list-task"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Get All Claims</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Browse all</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="ClaimDetails"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-warning text-dark mb-3"><i class="bi bi-search"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Claim Details</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Find a claim by id</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

@\* <div class="col-md-3"> // Code statement that contributes to the application's behavior

<a class="text-decoration-none" asp-action="ClaimSubmit"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3"><i class="bi bi-plus-circle"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Submit Claim</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Add a new claim</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> \*@ // Code statement that contributes to the application's behavior

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="ClaimUpdateStatus"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-info text-white mb-3"><i class="bi bi-arrow-repeat"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Update Status</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Approve/Reject/Open</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.claimslike-bg { // Code statement that contributes to the application's behavior

background: linear-gradient(180deg,#f8fbff,#eef5ff); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/Console.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Admin Console"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<h2 class="mb-3">Admin Console</h2> // HTML/Razor markup element rendered to the page

@await Html.PartialAsync("~/Views/Shared/\_AdminStats.cshtml") // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<div class="card h-100 shadow-sm border-0" role="button" data-bs-toggle="modal" data-bs-target="#userModal"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold mb-1">User Management</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Create, update, assign roles, delete</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<div class="card h-100 shadow-sm border-0" role="button" data-bs-toggle="modal" data-bs-target="#policyModal"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold mb-1">Policy Oversight</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Create, update, delete, fetch by id</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<div class="card h-100 shadow-sm border-0" role="button" data-bs-toggle="modal" data-bs-target="#claimModal"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold mb-1">Claim Supervision</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Submit, approve/reject, details</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<div class="card h-100 shadow-sm border-0" role="button" data-bs-toggle="modal" data-bs-target="#ticketModal"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold mb-1">Ticket Management</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Resolve support tickets</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="mt-4"> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary me-2" asp-action="Users">Open Users</a> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-success me-2" asp-action="Policies">Open Policies</a> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-warning me-2" asp-action="Claims">Open Claims</a> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-info me-2" asp-action="Payments">Open Payments</a> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-danger" asp-action="Tickets">Open Tickets</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- User Modal --> // HTML/Razor markup element rendered to the page

<div class="modal fade" id="userModal" tabindex="-1" aria-hidden="true"> // HTML/Razor markup element rendered to the page

<div class="modal-dialog modal-lg"> // HTML/Razor markup element rendered to the page

<div class="modal-content"> // HTML/Razor markup element rendered to the page

<div class="modal-header"> // HTML/Razor markup element rendered to the page

<h5 class="modal-title">User Management</h5> // HTML/Razor markup element rendered to the page

<button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="modal-body"> // HTML/Razor markup element rendered to the page

<form id="userForm" class="row g-2"> // HTML/Razor markup element rendered to the page

<input type="hidden" name="UserId" id="UserId" /> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input class="form-control" name="Username" placeholder="Username" required></div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input class="form-control" type="email" name="Email" placeholder="Email" required></div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input class="form-control" type="password" name="Password" placeholder="Password"></div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<select class="form-select" name="Role" required> // HTML/Razor markup element rendered to the page

<option value="ADMIN">ADMIN</option> // HTML/Razor markup element rendered to the page

<option value="AGENT">AGENT</option> // HTML/Razor markup element rendered to the page

<option value="CUSTOMER">CUSTOMER</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

<div class="small text-muted mt-2">Leave password empty to keep existing when updating.</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="modal-footer"> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-outline-danger" id="deleteUserBtn">Delete</button> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-primary" id="saveUserBtn">Save</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- Policy Modal --> // HTML/Razor markup element rendered to the page

<div class="modal fade" id="policyModal" tabindex="-1" aria-hidden="true"> // HTML/Razor markup element rendered to the page

<div class="modal-dialog modal-lg"> // HTML/Razor markup element rendered to the page

<div class="modal-content"> // HTML/Razor markup element rendered to the page

<div class="modal-header"><h5 class="modal-title">Policy Oversight</h5><button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button></div> // HTML/Razor markup element rendered to the page

<div class="modal-body"> // HTML/Razor markup element rendered to the page

<form id="policyForm" class="row g-2"> // HTML/Razor markup element rendered to the page

<input type="hidden" name="PolicyId" id="PolicyId" /> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input class="form-control" name="PolicyNumber" placeholder="Policy Number" required></div> // HTML/Razor markup element rendered to the page

<div class="col-md-8"><input class="form-control" name="VehicleDetails" placeholder="Vehicle Details" required></div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input class="form-control" type="number" step="0.01" name="CoverageAmount" placeholder="Coverage Amount" required></div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input class="form-control" name="CoverageType" placeholder="Coverage Type" required></div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input class="form-control" type="number" step="0.01" name="PremiumAmount" placeholder="Premium Amount" required></div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"><input class="form-control" type="date" name="StartDate" required></div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"><input class="form-control" type="date" name="EndDate" required></div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<select class="form-select" name="PolicyStatus" required> // HTML/Razor markup element rendered to the page

<option value="ACTIVE">ACTIVE</option> // HTML/Razor markup element rendered to the page

<option value="INACTIVE">INACTIVE</option> // HTML/Razor markup element rendered to the page

<option value="RENEWED">RENEWED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

<div class="input-group mt-3"> // HTML/Razor markup element rendered to the page

<input id="policyLookupId" type="number" class="form-control" placeholder="Get Policy By Id"> // HTML/Razor markup element rendered to the page

<button id="policyLookupBtn" class="btn btn-outline-secondary">Fetch</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="modal-footer"> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-outline-danger" id="deletePolicyBtn">Delete</button> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-primary" id="savePolicyBtn">Save</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- Claim Modal --> // HTML/Razor markup element rendered to the page

<div class="modal fade" id="claimModal" tabindex="-1" aria-hidden="true"> // HTML/Razor markup element rendered to the page

<div class="modal-dialog"> // HTML/Razor markup element rendered to the page

<div class="modal-content"> // HTML/Razor markup element rendered to the page

<div class="modal-header"><h5 class="modal-title">Claim Supervision</h5><button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button></div> // HTML/Razor markup element rendered to the page

<div class="modal-body"> // HTML/Razor markup element rendered to the page

<form id="claimForm" class="row g-2"> // HTML/Razor markup element rendered to the page

<input type="hidden" name="ClaimId" id="ClaimId" /> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="number" name="PolicyId" placeholder="Policy Id" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="number" step="0.01" name="ClaimAmount" placeholder="Amount" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="date" name="ClaimDate" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<select class="form-select" name="ClaimStatus" required> // HTML/Razor markup element rendered to the page

<option value="OPEN">OPEN</option> // HTML/Razor markup element rendered to the page

<option value="APPROVED">APPROVED</option> // HTML/Razor markup element rendered to the page

<option value="REJECTED">REJECTED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="number" name="AdjusterId" placeholder="Adjuster Id" required></div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

<div class="d-flex gap-2 mt-3"> // HTML/Razor markup element rendered to the page

<button id="approveClaimBtn" class="btn btn-success flex-fill">Approve</button> // HTML/Razor markup element rendered to the page

<button id="rejectClaimBtn" class="btn btn-danger flex-fill">Reject</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="modal-footer"> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-primary" id="submitClaimBtn">Submit</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- Ticket Modal --> // HTML/Razor markup element rendered to the page

<div class="modal fade" id="ticketModal" tabindex="-1" aria-hidden="true"> // HTML/Razor markup element rendered to the page

<div class="modal-dialog"> // HTML/Razor markup element rendered to the page

<div class="modal-content"> // HTML/Razor markup element rendered to the page

<div class="modal-header"><h5 class="modal-title">Support Ticket Management</h5><button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button></div> // HTML/Razor markup element rendered to the page

<div class="modal-body"> // HTML/Razor markup element rendered to the page

<div class="input-group mb-2"> // HTML/Razor markup element rendered to the page

<input id="ticketId" class="form-control" type="number" placeholder="Ticket Id" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<button id="resolveTicketBtn" class="btn btn-success w-100">Resolve</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="modal-footer"> // HTML/Razor markup element rendered to the page

<button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

// User ops // Code statement that contributes to the application's behavior

const saveUserBtn=document.getElementById('saveUserBtn'); // Code statement that contributes to the application's behavior

saveUserBtn.addEventListener('click', async ()=>{ // Code statement that contributes to the application's behavior

const form=new FormData(document.getElementById('userForm')); // Code statement that contributes to the application's behavior

const userId=form.get('UserId'); // Code statement that contributes to the application's behavior

const url=userId?'/Admin/AdminUpdateUser':'/Admin/AdminCreateUser'; // Code statement that contributes to the application's behavior

const res=await fetch(url,{method:'POST',body:form}); // Code statement that contributes to the application's behavior

alert(res.ok?'Saved':'Failed'); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

document.getElementById('deleteUserBtn').addEventListener('click', async ()=>{ // Code statement that contributes to the application's behavior

const id=document.getElementById('UserId').value; // Code statement that contributes to the application's behavior

if(!id) return alert('Enter UserId'); // Code statement that contributes to the application's behavior

const form=new FormData(); form.append('userId', id); // Code statement that contributes to the application's behavior

const res=await fetch('/Admin/AdminDeleteUser',{method:'POST', body:form}); // Code statement that contributes to the application's behavior

alert(res.ok?'Deleted':'Failed'); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

// Policy ops // Code statement that contributes to the application's behavior

const savePolicyBtn=document.getElementById('savePolicyBtn'); // Code statement that contributes to the application's behavior

savePolicyBtn.addEventListener('click', async ()=>{ // Code statement that contributes to the application's behavior

const form=new FormData(document.getElementById('policyForm')); // Code statement that contributes to the application's behavior

const id=form.get('PolicyId'); // Code statement that contributes to the application's behavior

const url=id?'/Admin/AdminUpdatePolicy':'/Admin/AdminCreatePolicy'; // Code statement that contributes to the application's behavior

const res=await fetch(url,{method:'POST',body:form}); // Code statement that contributes to the application's behavior

alert(res.ok?'Saved':'Failed'); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

document.getElementById('deletePolicyBtn').addEventListener('click', async ()=>{ // Code statement that contributes to the application's behavior

const id=document.getElementById('PolicyId').value; if(!id) return alert('Enter PolicyId'); // Code statement that contributes to the application's behavior

const form=new FormData(); form.append('policyId', id); // Code statement that contributes to the application's behavior

const res=await fetch('/Admin/AdminDeletePolicy',{method:'POST', body:form}); // Code statement that contributes to the application's behavior

alert(res.ok?'Deleted':'Failed'); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

document.getElementById('policyLookupBtn').addEventListener('click', async ()=>{ // Code statement that contributes to the application's behavior

const id=document.getElementById('policyLookupId').value; if(!id) return; // Code statement that contributes to the application's behavior

const res=await fetch('/Admin/AdminGetPolicy?id='+encodeURIComponent(id)); // Code statement that contributes to the application's behavior

if(!res.ok){ alert('Not found'); return; } // Code statement that contributes to the application's behavior

const p=await res.json(); // Code statement that contributes to the application's behavior

const f=document.getElementById('policyForm'); // Code statement that contributes to the application's behavior

f.PolicyId.value=p.policyId||p.PolicyId; f.PolicyNumber.value=p.policyNumber||p.PolicyNumber; f.VehicleDetails.value=p.vehicleDetails||p.VehicleDetails; // Code statement that contributes to the application's behavior

f.CoverageAmount.value=p.coverageAmount||p.CoverageAmount; f.CoverageType.value=p.coverageType||p.CoverageType; f.PremiumAmount.value=p.premiumAmount||p.PremiumAmount; // Code statement that contributes to the application's behavior

f.StartDate.value=(p.startDate||p.StartDate).substring(0,10); f.EndDate.value=(p.endDate||p.EndDate).substring(0,10); f.PolicyStatus.value=p.policyStatus||p.PolicyStatus; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

// Claim ops // Code statement that contributes to the application's behavior

const submitClaimBtn=document.getElementById('submitClaimBtn'); // Code statement that contributes to the application's behavior

submitClaimBtn.addEventListener('click', async ()=>{ // Code statement that contributes to the application's behavior

const form=new FormData(document.getElementById('claimForm')); // Code statement that contributes to the application's behavior

const res=await fetch('/Admin/AdminSubmitClaim',{method:'POST',body:form}); // Code statement that contributes to the application's behavior

alert(res.ok?'Submitted':'Failed'); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

// Blank line for readability

document.getElementById('approveClaimBtn').addEventListener('click', ()=>updateClaimStatus('APPROVED')); // Code statement that contributes to the application's behavior

document.getElementById('rejectClaimBtn').addEventListener('click', ()=>updateClaimStatus('REJECTED')); // Code statement that contributes to the application's behavior

async function updateClaimStatus(status){ // Code statement that contributes to the application's behavior

const id=document.getElementById('ClaimId').value; const adjuster=document.querySelector('#claimForm [name="AdjusterId"]').value; // Code statement that contributes to the application's behavior

if(!id) return alert('Enter ClaimId (if updating existing).'); // Code statement that contributes to the application's behavior

const form=new FormData(); form.append('claimId', id); form.append('status', status); form.append('adjusterId', adjuster); // Code statement that contributes to the application's behavior

const res=await fetch('/Admin/AdminUpdateClaimStatus',{method:'POST', body:form}); // Code statement that contributes to the application's behavior

alert(res.ok?'Updated':'Failed'); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Ticket ops // Code statement that contributes to the application's behavior

// Blank line for readability

document.getElementById('resolveTicketBtn').addEventListener('click', async ()=>{ // Code statement that contributes to the application's behavior

const ticketId=document.getElementById('ticketId').value; if(!ticketId) return alert('Enter ticket id'); // Code statement that contributes to the application's behavior

const form=new FormData(); form.append('ticketId', ticketId); // Code statement that contributes to the application's behavior

const res=await fetch('/Admin/AdminResolveTicket',{method:'POST', body:form}); // Code statement that contributes to the application's behavior

alert(res.ok?'Resolved':'Failed'); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Admin/PaymentMake.cshtml

@model Auto\_Insurance\_System.Models.Payment // Specifies the model type for this view: Auto\_Insurance\_System.Models.Payment

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Make Payment"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4 pay-bg"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Make Payment</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div asp-validation-summary="All" class="text-danger"></div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PolicyId" type="number" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="PolicyId"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PaymentAmount" type="number" step="0.01" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="PaymentAmount"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PaymentDate" type="date" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="PaymentDate"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Status</label> // HTML/Razor markup element rendered to the page

<select class="form-select" asp-for="PaymentStatus"> // HTML/Razor markup element rendered to the page

<option>SUCCESS</option> // HTML/Razor markup element rendered to the page

<option>PENDING</option> // HTML/Razor markup element rendered to the page

<option>FAILED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="PaymentStatus"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Save</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

<partial name="\_ValidationScriptsPartial" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.pay-bg{background:#ffffff;} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/PaymentUpdateStatus.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Update Payment Status"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4 pay-bg"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Update Payment Status</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (ViewBag.Success != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@ViewBag.Success</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Payment Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" name="paymentId" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Status</label> // HTML/Razor markup element rendered to the page

<select class="form-select" name="status"> // HTML/Razor markup element rendered to the page

<option value="SUCCESS">SUCCESS</option> // HTML/Razor markup element rendered to the page

<option value="PENDING">PENDING</option> // HTML/Razor markup element rendered to the page

<option value="FAILED">FAILED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Update</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.pay-bg{background:#ffffff;} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/Payments.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Payment> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Payment>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Manage Payments"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container-fluid"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Payments</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="row g-2 mb-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<select id="paymentStatusFilter" class="form-select"> // HTML/Razor markup element rendered to the page

<option value="">All Statuses</option> // HTML/Razor markup element rendered to the page

<option value="SUCCESS">Success</option> // HTML/Razor markup element rendered to the page

<option value="PENDING">Pending</option> // HTML/Razor markup element rendered to the page

<option value="FAILED">Failed</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<input id="paymentSearch" class="form-control" placeholder="Search by payment id, policy number or amount" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-striped align-middle" id="paymentsTable"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Payment Id</th> // HTML/Razor markup element rendered to the page

<th>Policy Number</th> // HTML/Razor markup element rendered to the page

<th>Amount</th> // HTML/Razor markup element rendered to the page

<th>Date</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var p in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr data-status="@p.PaymentStatus"> // HTML/Razor markup element rendered to the page

<td>@p.PaymentId</td> // HTML/Razor markup element rendered to the page

<td> // HTML/Razor markup element rendered to the page

@if (p.Policy != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div>@p.Policy.PolicyNumber</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

else // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="text-muted">(Policy Id: @p.PolicyId)</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</td> // HTML/Razor markup element rendered to the page

<td>@String.Format("{0:N2}", p.PaymentAmount)</td> // HTML/Razor markup element rendered to the page

<td>@p.PaymentDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td><span class="badge @GetPaymentBadge(p.PaymentStatus)">@p.PaymentStatus</span></td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@functions{ // Code statement that contributes to the application's behavior

string GetPaymentBadge(PaymentStatus status) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return status switch // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

PaymentStatus.SUCCESS => "bg-success", // Code statement that contributes to the application's behavior

PaymentStatus.PENDING => "bg-warning text-dark", // Code statement that contributes to the application's behavior

PaymentStatus.FAILED => "bg-danger", // Code statement that contributes to the application's behavior

\_ => "bg-light text-dark" // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

const statusFilter = document.getElementById('paymentStatusFilter'); // Code statement that contributes to the application's behavior

const search = document.getElementById('paymentSearch'); // Code statement that contributes to the application's behavior

const table = document.getElementById('paymentsTable'); // Code statement that contributes to the application's behavior

// Blank line for readability

function applyFilters() { // Code statement that contributes to the application's behavior

const status = statusFilter.value; // Code statement that contributes to the application's behavior

const q = search.value.toLowerCase(); // Code statement that contributes to the application's behavior

Array.from(table.querySelectorAll('tbody tr')).forEach(r => { // Code statement that contributes to the application's behavior

const matchStatus = !status || r.getAttribute('data-status') === status; // Code statement that contributes to the application's behavior

const text = r.innerText.toLowerCase(); // Code statement that contributes to the application's behavior

const matchText = text.includes(q); // Code statement that contributes to the application's behavior

r.style.display = matchStatus && matchText ? '' : 'none'; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

statusFilter.addEventListener('change', applyFilters); // Code statement that contributes to the application's behavior

search.addEventListener('input', applyFilters); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Admin/PaymentsByPolicy.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Payment> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Payment>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Payments By Policy"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4 pay-bg"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Get Payments By Policy</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm mb-3"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-2"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input class="form-control" type="number" name="policyId" placeholder="Enter Policy Id" required /></div> // HTML/Razor markup element rendered to the page

<div class="col-md-2"><button class="btn btn-primary w-100" type="submit">Search</button></div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning mt-3">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (Model != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Payment Id</th> // HTML/Razor markup element rendered to the page

<th>Policy Number</th> // HTML/Razor markup element rendered to the page

<th>Amount</th> // HTML/Razor markup element rendered to the page

<th>Date</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var p in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@p.PaymentId</td> // HTML/Razor markup element rendered to the page

<td>@(p?.Policy?.PolicyNumber ?? $"(Policy Id: {p.PolicyId})")</td> // HTML/Razor markup element rendered to the page

<td>@String.Format("{0:N2}", p.PaymentAmount)</td> // HTML/Razor markup element rendered to the page

<td>@p.PaymentDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td>@p.PaymentStatus</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.pay-bg{background:#ffffff;} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/PaymentsHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Payments Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Payments</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AdminDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PaymentsAll"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3">📋</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Get All Payments</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Full transaction list</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PaymentsByPolicy"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-warning text-dark mb-3">🧾</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Get Payments By Policy</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Filter by policy</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PaymentUpdateStatus"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-info text-white mb-3">🔄</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Update Payment Status</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Success/Failed/Pending</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/Policies.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Policy> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Policy>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Manage Policies"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container-fluid"> // HTML/Razor markup element rendered to the page

<h2 class="mb-3">Policies</h2> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="row g-2 mb-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<select id="statusFilter" class="form-select"> // HTML/Razor markup element rendered to the page

<option value="">All Statuses</option> // HTML/Razor markup element rendered to the page

<option value="ACTIVE">Active</option> // HTML/Razor markup element rendered to the page

<option value="INACTIVE">Inactive</option> // HTML/Razor markup element rendered to the page

<option value="RENEWED">Renewed</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<input id="policySearch" class="form-control" placeholder="Search by number, vehicle or coverage" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-striped align-middle" id="policiesTable"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Policy Id</th> // HTML/Razor markup element rendered to the page

<th>Number</th> // HTML/Razor markup element rendered to the page

<th>Vehicle</th> // HTML/Razor markup element rendered to the page

<th>Coverage</th> // HTML/Razor markup element rendered to the page

<th>Premium</th> // HTML/Razor markup element rendered to the page

<th>Start</th> // HTML/Razor markup element rendered to the page

<th>End</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var p in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr data-status="@p.PolicyStatus"> // HTML/Razor markup element rendered to the page

<td>@p.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@p.PolicyNumber</td> // HTML/Razor markup element rendered to the page

<td>@p.VehicleDetails</td> // HTML/Razor markup element rendered to the page

<td>@String.Format("{0:N2}", p.CoverageAmount) (@p.CoverageType)</td> // HTML/Razor markup element rendered to the page

<td>@String.Format("{0:N2}", p.PremiumAmount)</td> // HTML/Razor markup element rendered to the page

<td>@p.StartDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td>@p.EndDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td> // HTML/Razor markup element rendered to the page

<span class="badge @GetStatusBadge(p.PolicyStatus)">@p.PolicyStatus</span> // HTML/Razor markup element rendered to the page

</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@functions{ // Code statement that contributes to the application's behavior

string GetStatusBadge(PolicyStatus status) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return status switch // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

PolicyStatus.ACTIVE => "bg-success", // Code statement that contributes to the application's behavior

PolicyStatus.RENEWED => "bg-info", // Code statement that contributes to the application's behavior

PolicyStatus.INACTIVE => "bg-secondary", // Code statement that contributes to the application's behavior

\_ => "bg-light text-dark" // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

const statusFilter = document.getElementById('statusFilter'); // Code statement that contributes to the application's behavior

const search = document.getElementById('policySearch'); // Code statement that contributes to the application's behavior

const table = document.getElementById('policiesTable'); // Code statement that contributes to the application's behavior

// Blank line for readability

function applyFilters() { // Code statement that contributes to the application's behavior

const status = statusFilter.value; // Code statement that contributes to the application's behavior

const q = search.value.toLowerCase(); // Code statement that contributes to the application's behavior

Array.from(table.querySelectorAll('tbody tr')).forEach(r => { // Code statement that contributes to the application's behavior

const matchStatus = !status || r.getAttribute('data-status') === status; // Code statement that contributes to the application's behavior

const text = r.innerText.toLowerCase(); // Code statement that contributes to the application's behavior

const matchText = text.includes(q); // Code statement that contributes to the application's behavior

r.style.display = matchStatus && matchText ? '' : 'none'; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

statusFilter.addEventListener('change', applyFilters); // Code statement that contributes to the application's behavior

search.addEventListener('input', applyFilters); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Admin/PoliciesAll.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Policy> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Policy>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "All Policies"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4 policies-bg"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">All Policies</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="row g-2 mb-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<select id="status" class="form-select"> // HTML/Razor markup element rendered to the page

<option value="">All Statuses</option> // HTML/Razor markup element rendered to the page

<option value="ACTIVE">ACTIVE</option> // HTML/Razor markup element rendered to the page

<option value="INACTIVE">INACTIVE</option> // HTML/Razor markup element rendered to the page

<option value="RENEWED">RENEWED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input id="q" class="form-control" placeholder="Search policy number, vehicle or coverage" /></div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table id="tbl" class="table table-hover align-middle"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Policy Id</th> // HTML/Razor markup element rendered to the page

<th>Number</th> // HTML/Razor markup element rendered to the page

<th>Vehicle</th> // HTML/Razor markup element rendered to the page

<th>Coverage</th> // HTML/Razor markup element rendered to the page

<th>Premium</th> // HTML/Razor markup element rendered to the page

<th>Start</th> // HTML/Razor markup element rendered to the page

<th>End</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var p in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr data-status="@p.PolicyStatus"> // HTML/Razor markup element rendered to the page

<td>@p.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@p.PolicyNumber</td> // HTML/Razor markup element rendered to the page

<td>@p.VehicleDetails</td> // HTML/Razor markup element rendered to the page

<td>@p.CoverageType (@String.Format("{0:N2}", p.CoverageAmount))</td> // HTML/Razor markup element rendered to the page

<td>@String.Format("{0:N2}", p.PremiumAmount)</td> // HTML/Razor markup element rendered to the page

<td>@p.StartDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td>@p.EndDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td>@p.PolicyStatus</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

const status=document.getElementById('status'); // Code statement that contributes to the application's behavior

const q=document.getElementById('q'); // Code statement that contributes to the application's behavior

const tbl=document.getElementById('tbl'); // Code statement that contributes to the application's behavior

function apply(){ // Code statement that contributes to the application's behavior

const s=status.value; const query=q.value.toLowerCase(); // Code statement that contributes to the application's behavior

Array.from(tbl.querySelectorAll('tbody tr')).forEach(r=>{ // Code statement that contributes to the application's behavior

const okS=!s || r.getAttribute('data-status')===s; // Code statement that contributes to the application's behavior

const okQ=r.innerText.toLowerCase().includes(query); // Code statement that contributes to the application's behavior

r.style.display = okS && okQ ? '' : 'none'; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

status.addEventListener('change', apply); // Code statement that contributes to the application's behavior

q.addEventListener('input', apply); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.policies-bg{background:#ffffff;} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/PoliciesHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Policies Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4 claimslike-bg"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Policies</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AdminDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PoliciesAll"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3"><i class="bi bi-list-check"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Get All Policies</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Browse the full list</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PolicyDetails"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-warning text-dark mb-3"><i class="bi bi-search"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Get Policy By ID</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Find a specific policy</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PolicyUpdate"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-info text-white mb-3"><i class="bi bi-pencil-square"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Update Policy</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Modify an existing policy</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PolicyDelete"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-danger text-white mb-3"><i class="bi bi-trash"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Delete Policy</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Remove by id</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

@\* <div class="col-md-3"> // Code statement that contributes to the application's behavior

<a class="text-decoration-none" asp-action="PolicyCreate"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3"><i class="bi bi-plus-circle"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Create Policy</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Add a new policy</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> \*@ // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.claimslike-bg{background:#ffffff;} // Code statement that contributes to the application's behavior

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/PolicyCreate.cshtml

@model Auto\_Insurance\_System.Models.Policy // Specifies the model type for this view: Auto\_Insurance\_System.Models.Policy

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Create Policy"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4 policies-bg"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Create Policy</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Number</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PolicyNumber" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="PolicyNumber"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Vehicle Details</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="VehicleDetails" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="VehicleDetails"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Coverage Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" step="0.01" asp-for="CoverageAmount" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="CoverageAmount"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Coverage Type</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="CoverageType" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="CoverageType"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Premium Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" step="0.01" asp-for="PremiumAmount" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="PremiumAmount"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<label class="form-label">Start Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="date" asp-for="StartDate" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="StartDate"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<label class="form-label">End Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="date" asp-for="EndDate" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="EndDate"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Status</label> // HTML/Razor markup element rendered to the page

<select class="form-select" asp-for="PolicyStatus"> // HTML/Razor markup element rendered to the page

<option>ACTIVE</option> // HTML/Razor markup element rendered to the page

<option>INACTIVE</option> // HTML/Razor markup element rendered to the page

<option>RENEWED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="PolicyStatus"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Create</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<partial name="\_ValidationScriptsPartial" /> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.policies-bg{background:#ffffff;} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/PolicyDelete.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Delete Policy"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4 policies-bg"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0 text-danger">Delete Policy</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" name="policyId" placeholder="Enter policy id to delete" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<button class="btn btn-danger">Delete</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.policies-bg{background:#ffffff;} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/PolicyDetails.cshtml

@model Auto\_Insurance\_System.Models.Policy // Specifies the model type for this view: Auto\_Insurance\_System.Models.Policy

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Policy Details"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4 policies-bg"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Get Policy By ID</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm mb-3"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-2"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><input class="form-control" type="number" name="policyId" placeholder="Enter Policy Id" required /></div> // HTML/Razor markup element rendered to the page

<div class="col-md-2"><button class="btn btn-primary w-100" type="submit">Search</button></div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning mt-3">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (Model != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-header bg-light">Policy #@Model.PolicyId</div> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><strong>Number:</strong> @Model.PolicyNumber</div> // HTML/Razor markup element rendered to the page

<div class="col-md-8"><strong>Vehicle:</strong> @Model.VehicleDetails</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><strong>Coverage:</strong> @Model.CoverageType (@String.Format("{0:N2}", @Model.CoverageAmount))</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"><strong>Premium:</strong> @String.Format("{0:N2}", @Model.PremiumAmount)</div> // HTML/Razor markup element rendered to the page

<div class="col-md-2"><strong>Start:</strong> @Model.StartDate.ToString("dd-MMM-yyyy")</div> // HTML/Razor markup element rendered to the page

<div class="col-md-2"><strong>End:</strong> @Model.EndDate.ToString("dd-MMM-yyyy")</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"><strong>Status:</strong> @Model.PolicyStatus</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.policies-bg{background:#ffffff;} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/PolicyUpdate.cshtml

@model Auto\_Insurance\_System.Models.Policy // Specifies the model type for this view: Auto\_Insurance\_System.Models.Policy

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Update Policy"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4 policies-bg"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Update Policy</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PolicyId" type="number" placeholder="Existing policy id" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Number</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PolicyNumber" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Vehicle Details</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="VehicleDetails" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Coverage Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" step="0.01" asp-for="CoverageAmount" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Coverage Type</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="CoverageType" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Premium Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" step="0.01" asp-for="PremiumAmount" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<label class="form-label">Start Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="date" asp-for="StartDate" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<label class="form-label">End Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="date" asp-for="EndDate" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Status</label> // HTML/Razor markup element rendered to the page

<select class="form-select" asp-for="PolicyStatus"> // HTML/Razor markup element rendered to the page

<option>ACTIVE</option> // HTML/Razor markup element rendered to the page

<option>INACTIVE</option> // HTML/Razor markup element rendered to the page

<option>RENEWED</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Update</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.policies-bg{background:#ffffff;} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/TicketAssign.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Assign Ticket"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Assign Ticket</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Ticket Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" name="ticketId" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Agent User Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" name="agentId" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Assign</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

@if (ViewBag.Success != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success mt-3">@ViewBag.Success</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning mt-3">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/TicketResolve.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Resolve Ticket"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Resolve Ticket</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Ticket Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" name="ticketId" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Resolve</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

@if (ViewBag.Success != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success mt-3">@ViewBag.Success</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning mt-3">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/Tickets.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.SupportTicket> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.SupportTicket>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Manage Tickets"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container-fluid"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Support Tickets</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

@await Html.PartialAsync("~/Views/Shared/\_AdminStats.cshtml") // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="row g-2 mb-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<select id="ticketStatusFilter" class="form-select"> // HTML/Razor markup element rendered to the page

<option value="">All Statuses</option> // HTML/Razor markup element rendered to the page

<option value="OPEN">Open</option> // HTML/Razor markup element rendered to the page

<option value="RESOLVED">Resolved</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<input id="ticketSearch" class="form-control" placeholder="Search by ticket id, user id or description" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-striped align-middle" id="ticketsTable"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>#</th> // HTML/Razor markup element rendered to the page

<th>User Id</th> // HTML/Razor markup element rendered to the page

<th>Description</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Created</th> // HTML/Razor markup element rendered to the page

<th>Resolved</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var t in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr data-status="@t.TicketStatus"> // HTML/Razor markup element rendered to the page

<td>@t.TicketId</td> // HTML/Razor markup element rendered to the page

<td>@t.UserId</td> // HTML/Razor markup element rendered to the page

<td>@t.IssueDescription</td> // HTML/Razor markup element rendered to the page

<td><span class="badge @GetTicketBadge(t.TicketStatus)">@t.TicketStatus</span></td> // HTML/Razor markup element rendered to the page

<td>@t.CreatedDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td>@(t.ResolvedDate.HasValue ? t.ResolvedDate.Value.ToString("dd-MMM-yyyy") : "-")</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@functions{ // Code statement that contributes to the application's behavior

string GetTicketBadge(TicketStatus status) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

return status switch // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

TicketStatus.OPEN => "bg-danger", // Code statement that contributes to the application's behavior

TicketStatus.RESOLVED => "bg-success", // Code statement that contributes to the application's behavior

\_ => "bg-light text-dark" // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

const statusFilter = document.getElementById('ticketStatusFilter'); // Code statement that contributes to the application's behavior

const search = document.getElementById('ticketSearch'); // Code statement that contributes to the application's behavior

const table = document.getElementById('ticketsTable'); // Code statement that contributes to the application's behavior

// Blank line for readability

function applyFilters() { // Code statement that contributes to the application's behavior

const status = statusFilter.value; // Code statement that contributes to the application's behavior

const q = search.value.toLowerCase(); // Code statement that contributes to the application's behavior

Array.from(table.querySelectorAll('tbody tr')).forEach(r => { // Code statement that contributes to the application's behavior

const matchStatus = !status || r.getAttribute('data-status') === status; // Code statement that contributes to the application's behavior

const text = r.innerText.toLowerCase(); // Code statement that contributes to the application's behavior

const matchText = text.includes(q); // Code statement that contributes to the application's behavior

r.style.display = matchStatus && matchText ? '' : 'none'; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

statusFilter.addEventListener('change', applyFilters); // Code statement that contributes to the application's behavior

search.addEventListener('input', applyFilters); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Admin/TicketsAll.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.SupportTicket> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.SupportTicket>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "All Tickets"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Tickets</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Ticket Id</th> // HTML/Razor markup element rendered to the page

<th>User</th> // HTML/Razor markup element rendered to the page

<th>Description</th> // HTML/Razor markup element rendered to the page

<th>Assigned Agent</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Created</th> // HTML/Razor markup element rendered to the page

<th>Resolved</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var t in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@t.TicketId</td> // HTML/Razor markup element rendered to the page

<td>@t.User?.Username</td> // HTML/Razor markup element rendered to the page

<td>@t.IssueDescription</td> // HTML/Razor markup element rendered to the page

<td>@(t.AssignedAgentId?.ToString() ?? "-")</td> // HTML/Razor markup element rendered to the page

<td><span class="badge @(t.TicketStatus==TicketStatus.OPEN?"bg-danger":"bg-success")">@t.TicketStatus</span></td> // HTML/Razor markup element rendered to the page

<td>@t.CreatedDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td>@(t.ResolvedDate.HasValue ? t.ResolvedDate.Value.ToString("dd-MMM-yyyy") : "-")</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/TicketsHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Tickets Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Tickets</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AdminDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="TicketsAll"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3"><i class="bi bi-list-check"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">All Tickets</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Browse all</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="TicketAssign"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-warning text-dark mb-3"><i class="bi bi-person-check"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Assign Ticket</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Set agent</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="TicketResolve"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3"><i class="bi bi-check2-circle"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Resolve Ticket</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Mark as resolved</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/UserCreate.cshtml

@model Auto\_Insurance\_System.Models.Users // Specifies the model type for this view: Auto\_Insurance\_System.Models.Users

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Create User"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Create User</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Username</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="Username" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Username"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Email</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="email" asp-for="Email" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Email"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Password</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="password" asp-for="Password" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Password"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Role</label> // HTML/Razor markup element rendered to the page

<select class="form-select" asp-for="Role"> // HTML/Razor markup element rendered to the page

<option>ADMIN</option> // HTML/Razor markup element rendered to the page

<option>AGENT</option> // HTML/Razor markup element rendered to the page

<option>CUSTOMER</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Role"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Create</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<partial name="\_ValidationScriptsPartial" /> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Admin/UserDelete.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Delete User"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Delete User</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">User Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" name="userId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-danger">Delete</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/UserUpdate.cshtml

@model Auto\_Insurance\_System.Models.Users // Specifies the model type for this view: Auto\_Insurance\_System.Models.Users

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Update User"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Update User</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">User Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="UserId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Username</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="Username" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Username"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Email</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="email" asp-for="Email" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Email"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">New Password (optional)</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="password" asp-for="Password" /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Password"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Role</label> // HTML/Razor markup element rendered to the page

<select class="form-select" asp-for="Role"> // HTML/Razor markup element rendered to the page

<option>ADMIN</option> // HTML/Razor markup element rendered to the page

<option>AGENT</option> // HTML/Razor markup element rendered to the page

<option>CUSTOMER</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Role"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Update</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<partial name="\_ValidationScriptsPartial" /> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Admin/Users.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Users> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Users>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Manage Users"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Users</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body no-hscroll"> // HTML/Razor markup element rendered to the page

<div class="row g-2 mb-2 align-items-center"> // HTML/Razor markup element rendered to the page

<div class="col-md-6 col-lg-4"> // HTML/Razor markup element rendered to the page

<input id="userSearch" class="form-control" placeholder="Search by username or email" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-auto"> // HTML/Razor markup element rendered to the page

<button id="searchBtn" class="btn btn-primary">Search</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<div id="searchFeedback" class="text-danger small d-none">Not found. Provide right details.</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle mb-0 w-100" id="usersTable"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Id</th> // HTML/Razor markup element rendered to the page

<th>Username</th> // HTML/Razor markup element rendered to the page

<th>Email</th> // HTML/Razor markup element rendered to the page

<th>Role</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var u in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@u.UserId</td> // HTML/Razor markup element rendered to the page

<td>@u.Username</td> // HTML/Razor markup element rendered to the page

<td class="text-break">@u.Email</td> // HTML/Razor markup element rendered to the page

<td><span class="badge bg-primary">@u.Role</span></td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

const searchInput = document.getElementById('userSearch'); // Code statement that contributes to the application's behavior

const searchBtn = document.getElementById('searchBtn'); // Code statement that contributes to the application's behavior

const table = document.getElementById('usersTable'); // Code statement that contributes to the application's behavior

const feedback = document.getElementById('searchFeedback'); // Code statement that contributes to the application's behavior

// Blank line for readability

function applySearch(){ // Code statement that contributes to the application's behavior

const q = searchInput.value.trim().toLowerCase(); // Code statement that contributes to the application's behavior

let matches = 0; // Code statement that contributes to the application's behavior

Array.from(table.querySelectorAll('tbody tr')).forEach(row => { // Code statement that contributes to the application's behavior

const text = row.innerText.toLowerCase(); // Code statement that contributes to the application's behavior

const show = q === '' || text.includes(q); // Code statement that contributes to the application's behavior

row.style.display = show ? '' : 'none'; // Code statement that contributes to the application's behavior

if(show) matches++; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

feedback.classList.toggle('d-none', matches > 0); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

searchBtn.addEventListener('click', applySearch); // Code statement that contributes to the application's behavior

searchInput.addEventListener('keydown', (e)=>{ if(e.key === 'Enter'){ e.preventDefault(); applySearch(); }}); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.no-hscroll{ overflow-x: hidden; } // Code statement that contributes to the application's behavior

#usersTable td{ word-break: break-word; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/UsersHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Users Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Users</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AdminDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="UserCreate"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3"><i class="bi bi-person-plus"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Create User</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Add a new user</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="Users"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3"><i class="bi bi-people"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">View All Users</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Browse and search</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="UserUpdate"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-warning text-dark mb-3"><i class="bi bi-pencil-square"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Update User</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Modify user details</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="UserDelete"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-danger text-white mb-3"><i class="bi bi-person-dash"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Delete User</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Remove by id</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Admin/\_UsersModals.cshtml

<!-- Create User Modal --> // HTML/Razor markup element rendered to the page

<div class="modal fade" id="userCreateModal" tabindex="-1" aria-hidden="true"> // HTML/Razor markup element rendered to the page

<div class="modal-dialog"> // HTML/Razor markup element rendered to the page

<div class="modal-content"> // HTML/Razor markup element rendered to the page

<div class="modal-header"><h5 class="modal-title">Create User</h5><button type="button" class="btn-close" data-bs-dismiss="modal"></button></div> // HTML/Razor markup element rendered to the page

<div class="modal-body"> // HTML/Razor markup element rendered to the page

<form id="createForm" class="row g-2"> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" name="Username" placeholder="Username" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="email" name="Email" placeholder="Email" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="password" name="Password" placeholder="Password" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<select class="form-select" name="Role" required> // HTML/Razor markup element rendered to the page

<option>ADMIN</option> // HTML/Razor markup element rendered to the page

<option>AGENT</option> // HTML/Razor markup element rendered to the page

<option>CUSTOMER</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="modal-footer"><button class="btn btn-secondary" data-bs-dismiss="modal">Close</button><button id="createBtn" class="btn btn-primary">Create</button></div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- Update User Modal --> // HTML/Razor markup element rendered to the page

<div class="modal fade" id="userUpdateModal" tabindex="-1" aria-hidden="true"> // HTML/Razor markup element rendered to the page

<div class="modal-dialog"> // HTML/Razor markup element rendered to the page

<div class="modal-content"> // HTML/Razor markup element rendered to the page

<div class="modal-header"><h5 class="modal-title">Update User</h5><button type="button" class="btn-close" data-bs-dismiss="modal"></button></div> // HTML/Razor markup element rendered to the page

<div class="modal-body"> // HTML/Razor markup element rendered to the page

<form id="updateForm" class="row g-2"> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="number" name="UserId" placeholder="User Id" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" name="Username" placeholder="Username" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="email" name="Email" placeholder="Email" required></div> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="password" name="Password" placeholder="New Password (optional)"></div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<select class="form-select" name="Role" required> // HTML/Razor markup element rendered to the page

<option>ADMIN</option> // HTML/Razor markup element rendered to the page

<option>AGENT</option> // HTML/Razor markup element rendered to the page

<option>CUSTOMER</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="modal-footer"><button class="btn btn-secondary" data-bs-dismiss="modal">Close</button><button id="updateBtn" class="btn btn-primary">Update</button></div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- Delete User Modal --> // HTML/Razor markup element rendered to the page

<div class="modal fade" id="userDeleteModal" tabindex="-1" aria-hidden="true"> // HTML/Razor markup element rendered to the page

<div class="modal-dialog"> // HTML/Razor markup element rendered to the page

<div class="modal-content"> // HTML/Razor markup element rendered to the page

<div class="modal-header"><h5 class="modal-title">Delete User</h5><button type="button" class="btn-close" data-bs-dismiss="modal"></button></div> // HTML/Razor markup element rendered to the page

<div class="modal-body"> // HTML/Razor markup element rendered to the page

<form id="deleteForm" class="row g-2"> // HTML/Razor markup element rendered to the page

<div class="col-12"><input class="form-control" type="number" name="userId" placeholder="User Id" required></div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="modal-footer"><button class="btn btn-secondary" data-bs-dismiss="modal">Close</button><button id="deleteBtn" class="btn btn-danger">Delete</button></div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/ClaimDetails.cshtml

@model Auto\_Insurance\_System.Models.Claim // Specifies the model type for this view: Auto\_Insurance\_System.Models.Claim

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Claim Details"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Claim Details</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Claim Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" name="claimId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Get Details</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (Model != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<hr /> // HTML/Razor markup element rendered to the page

<dl class="row"> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Policy Id</dt><dd class="col-sm-9">@Model.PolicyId</dd> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Amount</dt><dd class="col-sm-9">@Model.ClaimAmount</dd> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Date</dt><dd class="col-sm-9">@Model.ClaimDate.ToShortDateString()</dd> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Status</dt><dd class="col-sm-9">@Model.ClaimStatus</dd> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Adjuster</dt><dd class="col-sm-9">@Model.AdjusterId</dd> // HTML/Razor markup element rendered to the page

</dl> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/ClaimSubmit.cshtml

@model Auto\_Insurance\_System.Models.Claim // Specifies the model type for this view: Auto\_Insurance\_System.Models.Claim

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Submit Claim"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Submit Claim</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PolicyId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="ClaimAmount" type="number" step="0.01" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="ClaimDate" type="date" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<input type="hidden" asp-for="ClaimStatus" value="OPEN" /> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Adjuster Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="AdjusterId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Submit</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/ClaimsAll.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Claim> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Claim>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Claims"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Claims</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle mb-0"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Claim Id</th> // HTML/Razor markup element rendered to the page

<th>Policy</th> // HTML/Razor markup element rendered to the page

<th>Amount</th> // HTML/Razor markup element rendered to the page

<th>Date</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Adjuster</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var c in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@c.ClaimId</td> // HTML/Razor markup element rendered to the page

<td>@c.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@c.ClaimAmount</td> // HTML/Razor markup element rendered to the page

<td>@c.ClaimDate.ToShortDateString()</td> // HTML/Razor markup element rendered to the page

<td><span class="badge bg-secondary">@c.ClaimStatus</span></td> // HTML/Razor markup element rendered to the page

<td>@c.AdjusterId</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/ClaimsHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Claims Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Claims</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AgentDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="ClaimsAll"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3"><i class="bi bi-list"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">All Claims</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Browse and search</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="ClaimDetails"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-info text-white mb-3"><i class="bi bi-search"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Get Claim Details</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Find by id</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="ClaimSubmit"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3"><i class="bi bi-upload"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Submit Claim</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Create new claim</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/PaymentMake.cshtml

@model Auto\_Insurance\_System.Models.Payment // Specifies the model type for this view: Auto\_Insurance\_System.Models.Payment

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Make Payment"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Make Payment</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PolicyId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PaymentAmount" type="number" step="0.01" required /> // HTML/Razor markup element rendered to the page

<small class="text-muted">Amount must equal the policy's premium.</small> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<input type="hidden" asp-for="PaymentStatus" value="SUCCESS" /> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PaymentDate" type="date" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Record</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/Payments.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Payment> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Payment>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Payments"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Payments</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-striped align-middle"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Payment Id</th> // HTML/Razor markup element rendered to the page

<th>Policy</th> // HTML/Razor markup element rendered to the page

<th>Amount</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Date</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var p in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@p.PaymentId</td> // HTML/Razor markup element rendered to the page

<td>@p.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@p.PaymentAmount</td> // HTML/Razor markup element rendered to the page

<td><span class="badge bg-secondary">@p.PaymentStatus</span></td> // HTML/Razor markup element rendered to the page

<td>@p.PaymentDate.ToShortDateString()</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/PaymentsByPolicy.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Payment> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Payment>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Payments by Policy"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Payments by Policy</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" name="policyId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Get Payments</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (Model != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<hr /> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle mb-0"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Payment Id</th> // HTML/Razor markup element rendered to the page

<th>Amount</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Date</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var p in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@p.PaymentId</td> // HTML/Razor markup element rendered to the page

<td>@p.PaymentAmount</td> // HTML/Razor markup element rendered to the page

<td><span class="badge bg-secondary">@p.PaymentStatus</span></td> // HTML/Razor markup element rendered to the page

<td>@p.PaymentDate.ToShortDateString()</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/PaymentsHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Payments Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Payments</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AgentDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PaymentsAll"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3"><i class="bi bi-cash-stack"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">All Payments</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Browse and search</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PaymentsByPolicy"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-info text-white mb-3"><i class="bi bi-search"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">By Policy Id</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Filter by policy</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PaymentMake"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3"><i class="bi bi-plus-circle"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Make Payment</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Record a payment</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/PoliciesAll.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Policy> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Policy>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Policies"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Policies</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle mb-0"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Policy Id</th> // HTML/Razor markup element rendered to the page

<th>Number</th> // HTML/Razor markup element rendered to the page

<th>Vehicle</th> // HTML/Razor markup element rendered to the page

<th>Coverage</th> // HTML/Razor markup element rendered to the page

<th>Premium</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var p in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@p.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@p.PolicyNumber</td> // HTML/Razor markup element rendered to the page

<td>@p.VehicleDetails</td> // HTML/Razor markup element rendered to the page

<td>@p.CoverageType</td> // HTML/Razor markup element rendered to the page

<td>@p.PremiumAmount.ToString("C")</td> // HTML/Razor markup element rendered to the page

<td><span class="badge bg-secondary">@p.PolicyStatus</span></td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/PoliciesHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Policies Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Policies</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AgentDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PoliciesAll"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3"><i class="bi bi-journal-richtext"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">All Policies</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Browse and search</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PolicyDetails"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-info text-white mb-3"><i class="bi bi-search"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Get Policy By ID</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Find a policy</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PolicyCreate"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3"><i class="bi bi-plus-square"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Create Policy</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Add new policy</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/PolicyCreate.cshtml

@model Auto\_Insurance\_System.Models.Policy // Specifies the model type for this view: Auto\_Insurance\_System.Models.Policy

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Create Policy"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Create Policy</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Number</label> // HTML/Razor markup element rendered to the page

<input type="hidden" class="form-control" asp-for="PolicyNumber" required /> @Model.PolicyNumber // Code statement that contributes to the application's behavior

@\* <span class="text-danger" asp-validation-for="PolicyNumber"></span> \*@ // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Vehicle Details</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="VehicleDetails" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="VehicleDetails"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Coverage Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" step="0.01" asp-for="CoverageAmount" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="CoverageAmount"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Coverage Type</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="CoverageType" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="CoverageType"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Premium Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" step="0.01" asp-for="PremiumAmount" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="PremiumAmount"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<label class="form-label">Start Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="date" asp-for="StartDate" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="StartDate"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<label class="form-label">End Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="date" asp-for="EndDate" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="EndDate"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<input type="hidden" asp-for="PolicyStatus" value="ACTIVE" /> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Create</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<partial name="\_ValidationScriptsPartial" /> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Agent/PolicyDetails.cshtml

@model Auto\_Insurance\_System.Models.Policy // Specifies the model type for this view: Auto\_Insurance\_System.Models.Policy

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Policy Details"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Policy Details</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" name="policyId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Get Details</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (Model != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<hr /> // HTML/Razor markup element rendered to the page

<dl class="row"> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Policy Number</dt><dd class="col-sm-9">@Model.PolicyNumber</dd> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Vehicle</dt><dd class="col-sm-9">@Model.VehicleDetails</dd> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Coverage</dt><dd class="col-sm-9">@Model.CoverageType</dd> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Premium</dt><dd class="col-sm-9">@Model.PremiumAmount</dd> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Dates</dt><dd class="col-sm-9">@Model.StartDate.ToShortDateString() - @Model.EndDate.ToShortDateString()</dd> // HTML/Razor markup element rendered to the page

<dt class="col-sm-3">Status</dt><dd class="col-sm-9">@Model.PolicyStatus</dd> // HTML/Razor markup element rendered to the page

</dl> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/TicketCreate.cshtml

@model Auto\_Insurance\_System.Models.SupportTicket // Specifies the model type for this view: Auto\_Insurance\_System.Models.SupportTicket

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Create Ticket"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Create Ticket</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">User Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="UserId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-8"> // HTML/Razor markup element rendered to the page

<label class="form-label">Issue Description</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="IssueDescription" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<input type="hidden" asp-for="TicketStatus" value="OPEN" /> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Create</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/TicketResolve.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Resolve Ticket"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Resolve Ticket</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (ViewBag.Success != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@ViewBag.Success</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Ticket Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" name="ticketId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Resolve</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/Tickets.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.SupportTicket> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.SupportTicket>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Tickets"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Support Tickets</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="row g-2 mb-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<select id="ticketStatusFilter" class="form-select"> // HTML/Razor markup element rendered to the page

<option value="">All Statuses</option> // HTML/Razor markup element rendered to the page

<option value="OPEN">Open</option> // HTML/Razor markup element rendered to the page

<option value="RESOLVED">Resolved</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<input id="ticketSearch" class="form-control" placeholder="Search by ticket id, user id or description" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-striped align-middle" id="ticketsTable"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Ticket Id</th> // HTML/Razor markup element rendered to the page

<th>User Id</th> // HTML/Razor markup element rendered to the page

<th>Description</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Created</th> // HTML/Razor markup element rendered to the page

<th>Resolved</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var t in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr data-status="@t.TicketStatus"> // HTML/Razor markup element rendered to the page

<td>@t.TicketId</td> // HTML/Razor markup element rendered to the page

<td>@t.UserId</td> // HTML/Razor markup element rendered to the page

<td>@t.IssueDescription</td> // HTML/Razor markup element rendered to the page

<td><span class="badge @(t.TicketStatus == TicketStatus.OPEN ? "bg-danger" : "bg-success")">@t.TicketStatus</span></td> // HTML/Razor markup element rendered to the page

<td>@t.CreatedDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td>@(t.ResolvedDate.HasValue ? t.ResolvedDate.Value.ToString("dd-MMM-yyyy") : "-")</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

const statusFilter = document.getElementById('ticketStatusFilter'); // Code statement that contributes to the application's behavior

const search = document.getElementById('ticketSearch'); // Code statement that contributes to the application's behavior

const table = document.getElementById('ticketsTable'); // Code statement that contributes to the application's behavior

// Blank line for readability

function applyFilters() { // Code statement that contributes to the application's behavior

const status = statusFilter.value; // Code statement that contributes to the application's behavior

const q = search.value.toLowerCase(); // Code statement that contributes to the application's behavior

Array.from(table.querySelectorAll('tbody tr')).forEach(r => { // Code statement that contributes to the application's behavior

const matchStatus = !status || r.getAttribute('data-status') === status; // Code statement that contributes to the application's behavior

const text = r.innerText.toLowerCase(); // Code statement that contributes to the application's behavior

const matchText = text.includes(q); // Code statement that contributes to the application's behavior

r.style.display = matchStatus && matchText ? '' : 'none'; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

statusFilter.addEventListener('change', applyFilters); // Code statement that contributes to the application's behavior

search.addEventListener('input', applyFilters); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Agent/TicketsHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Tickets Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Support Tickets</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AgentDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="Tickets"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3"><i class="bi bi-list"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">All Tickets</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Browse and search</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="TicketCreate"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3"><i class="bi bi-plus-square"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Create Ticket</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Log an issue</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="TicketResolve"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-warning text-dark mb-3"><i class="bi bi-check2-square"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Resolve Ticket</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Resolve assigned</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/UserCreate.cshtml

@model Auto\_Insurance\_System.Models.Users // Specifies the model type for this view: Auto\_Insurance\_System.Models.Users

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Create User"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Create User</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Username</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="Username" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Username"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Email</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="email" asp-for="Email" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Email"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Password</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="password" asp-for="Password" required /> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Password"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Role</label> // HTML/Razor markup element rendered to the page

<select class="form-select" asp-for="Role"> // HTML/Razor markup element rendered to the page

<option>AGENT</option> // HTML/Razor markup element rendered to the page

<option>CUSTOMER</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

<span class="text-danger" asp-validation-for="Role"></span> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Create</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<partial name="\_ValidationScriptsPartial" /> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/Agent/Users.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Users> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Users>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Users"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Users</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="UsersHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body no-hscroll"> // HTML/Razor markup element rendered to the page

<div class="row g-2 mb-2 align-items-center"> // HTML/Razor markup element rendered to the page

<div class="col-md-6 col-lg-4"> // HTML/Razor markup element rendered to the page

<input id="userSearch" class="form-control" placeholder="Search by username or email" /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-auto"> // HTML/Razor markup element rendered to the page

<button id="searchBtn" class="btn btn-primary">Search</button> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<div id="searchFeedback" class="text-danger small d-none">Not found. Provide right details.</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle mb-0 w-100" id="usersTable"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Id</th> // HTML/Razor markup element rendered to the page

<th>Username</th> // HTML/Razor markup element rendered to the page

<th>Email</th> // HTML/Razor markup element rendered to the page

<th>Role</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var u in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@u.UserId</td> // HTML/Razor markup element rendered to the page

<td>@u.Username</td> // HTML/Razor markup element rendered to the page

<td class="text-break">@u.Email</td> // HTML/Razor markup element rendered to the page

<td><span class="badge bg-primary">@u.Role</span></td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@section Scripts{ // Defines a Razor section named Scripts to inject content into layout

<script> // HTML/Razor markup element rendered to the page

const searchInput = document.getElementById('userSearch'); // Code statement that contributes to the application's behavior

const searchBtn = document.getElementById('searchBtn'); // Code statement that contributes to the application's behavior

const table = document.getElementById('usersTable'); // Code statement that contributes to the application's behavior

const feedback = document.getElementById('searchFeedback'); // Code statement that contributes to the application's behavior

// Blank line for readability

function applySearch(){ // Code statement that contributes to the application's behavior

const q = searchInput.value.trim().toLowerCase(); // Code statement that contributes to the application's behavior

let matches = 0; // Code statement that contributes to the application's behavior

Array.from(table.querySelectorAll('tbody tr')).forEach(row => { // Code statement that contributes to the application's behavior

const text = row.innerText.toLowerCase(); // Code statement that contributes to the application's behavior

const show = q === '' || text.includes(q); // Code statement that contributes to the application's behavior

row.style.display = show ? '' : 'none'; // Code statement that contributes to the application's behavior

if(show) matches++; // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

feedback.classList.toggle('d-none', matches > 0); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

searchBtn.addEventListener('click', applySearch); // Code statement that contributes to the application's behavior

searchInput.addEventListener('keydown', (e)=>{ if(e.key === 'Enter'){ e.preventDefault(); applySearch(); }}); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.no-hscroll{ overflow-x: hidden; } // Code statement that contributes to the application's behavior

#usersTable td{ word-break: break-word; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Agent/UsersHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Agent • Users Hub"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Users</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="AgentDashboard">Dashboard</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="Users"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3"><i class="bi bi-people"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">View All Users</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Browse and search</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="UserCreate"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3"><i class="bi bi-person-plus"></i></div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Create User</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Add a new user</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Auth/AdminDashboard.cshtml

﻿@{ // Code statement that contributes to the application's behavior

ViewData["Title"] = "Admin Dashboard"; // Code statement that contributes to the application's behavior

var username = Context.Session.GetString("UserName"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<h2 class="mb-1">Welcome, @username!</h2> // HTML/Razor markup element rendered to the page

<p class="text-muted">Choose a module to manage.</p> // HTML/Razor markup element rendered to the page

// Blank line for readability

@await Html.PartialAsync("~/Views/Shared/\_AdminStats.cshtml") // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Admin" asp-action="UsersHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3">👥</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Users</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Create ,view,update, delete</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Admin" asp-action="PoliciesHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3">📑</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Policies</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Update, list, delete</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Admin" asp-action="ClaimsHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-warning text-dark mb-3">📝</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Claims</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Update, list</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Admin" asp-action="PaymentsHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-info text-white mb-3">💳</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Payments</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">List, by policy, update</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Admin" asp-action="TicketsHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-danger text-white mb-3">🎫</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Tickets</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Assign, resolve, list</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

// Blank line for readability

// Blank line for readability

## File: Auto\_Insurance\_System/Views/Auth/AgentDashboard.cshtml

﻿@{ // Code statement that contributes to the application's behavior

ViewData["Title"] = "Agent Dashboard"; // Code statement that contributes to the application's behavior

var username = Context.Session.GetString("UserName"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="mb-4"> // HTML/Razor markup element rendered to the page

<h1 class="display-5 fw-semibold text-dark">Welcome, @username!</h1> // HTML/Razor markup element rendered to the page

<p class="text-muted">This is your Agent Dashboard.</p> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@await Html.PartialAsync("~/Views/Shared/\_AdminStats.cshtml") // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="row g-4"> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Agent" asp-action="UsersHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3">👥</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Users</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">View / Create</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Agent" asp-action="PoliciesHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3">📄</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Policies</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">All / By Id / Create</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Agent" asp-action="ClaimsHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-warning text-dark mb-3">🧾</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Claims</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">All / Details / Submit</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Agent" asp-action="PaymentsHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-info text-white mb-3">💳</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Payments</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">All / By Policy / Make</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Agent" asp-action="TicketsHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-danger text-white mb-3">🎫</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Tickets</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">All / Create / Resolve</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Auth/CustomerDashboard.cshtml

﻿@{ // Code statement that contributes to the application's behavior

ViewData["Title"] = "Customer Dashboard"; // Code statement that contributes to the application's behavior

var username = Context.Session.GetString("UserName"); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="mb-4"> // HTML/Razor markup element rendered to the page

<h1 class="display-5 fw-semibold text-dark">Welcome, @username!</h1> // HTML/Razor markup element rendered to the page

<p class="text-muted">This is your Customer Dashboard.</p> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4"> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Customer" asp-action="PoliciesHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3">📄</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Policies</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Create policy</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Customer" asp-action="ClaimsHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-warning text-dark mb-3">🧾</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Claims</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Submit / view</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Customer" asp-action="PaymentsHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-info text-white mb-3">💳</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Payments</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Make / view</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4 col-lg-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-controller="Customer" asp-action="TicketsHub"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3">🎫</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Tickets</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Create / view status</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Auth/ForgotPassword.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Forgot Password · Auto Insurance System"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-5"> // HTML/Razor markup element rendered to the page

<div class="row justify-content-center"> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<div class="card border-0 shadow-lg"> // HTML/Razor markup element rendered to the page

<div class="card-body p-4"> // HTML/Razor markup element rendered to the page

<h2 class="mb-3">Reset Password</h2> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (ViewData.ModelState.ErrorCount > 0) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-danger"> // HTML/Razor markup element rendered to the page

@foreach (var error in ViewData.ModelState.Values.SelectMany(v => v.Errors)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div>@error.ErrorMessage</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<form asp-action="ForgotPassword" method="post"> // HTML/Razor markup element rendered to the page

@Html.AntiForgeryToken() // Code statement that contributes to the application's behavior

<div class="form-text mb-2">Provide either your Username or Email.</div> // HTML/Razor markup element rendered to the page

<div class="form-floating mb-3"> // HTML/Razor markup element rendered to the page

<input type="text" class="form-control" id="Username" name="Username" placeholder="Username" /> // HTML/Razor markup element rendered to the page

<label for="Username">Username</label> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="form-floating mb-3"> // HTML/Razor markup element rendered to the page

<input type="email" class="form-control" id="Email" name="Email" placeholder="Email" /> // HTML/Razor markup element rendered to the page

<label for="Email">Email</label> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="form-floating mb-3"> // HTML/Razor markup element rendered to the page

<input type="password" class="form-control" id="NewPassword" name="NewPassword" placeholder="New Password" required /> // HTML/Razor markup element rendered to the page

<label for="NewPassword">New Password</label> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="form-floating mb-3"> // HTML/Razor markup element rendered to the page

<input type="password" class="form-control" id="ConfirmPassword" name="ConfirmPassword" placeholder="Confirm Password" required /> // HTML/Razor markup element rendered to the page

<label for="ConfirmPassword">Confirm Password</label> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<button type="submit" class="btn btn-app-primary w-100">Update Password</button> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="text-center mt-3"> // HTML/Razor markup element rendered to the page

<a asp-controller="Auth" asp-action="Login">Back to Login</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Auth/Login.cshtml

﻿@{ // Code statement that contributes to the application's behavior

ViewData["Title"] = "Login · Auto Insurance System"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-5"> // HTML/Razor markup element rendered to the page

<div class="row justify-content-center"> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<div class="card border-0 shadow-lg"> // HTML/Razor markup element rendered to the page

<div class="card-body p-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-app-primary text-white">🔐</div> // HTML/Razor markup element rendered to the page

<h2 class="ms-2 mb-0">Login</h2> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (ViewData.ModelState.ErrorCount > 0) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-danger text-center"> // HTML/Razor markup element rendered to the page

@foreach (var error in ViewData.ModelState.Values.SelectMany(v => v.Errors)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div>@error.ErrorMessage</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<form asp-action="Login" method="post"> // HTML/Razor markup element rendered to the page

<div class="form-floating mb-3"> // HTML/Razor markup element rendered to the page

<input type="text" name="Username" id="Username" class="form-control" placeholder="Username" required /> // HTML/Razor markup element rendered to the page

<label for="Username">Username</label> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="form-floating mb-3"> // HTML/Razor markup element rendered to the page

<input type="password" name="Password" id="Password" class="form-control" placeholder="Password" required /> // HTML/Razor markup element rendered to the page

<label for="Password">Password</label> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="form-floating mb-3"> // HTML/Razor markup element rendered to the page

<select name="Role" id="Role" class="form-select" required> // HTML/Razor markup element rendered to the page

<option value="">Select Role</option> // HTML/Razor markup element rendered to the page

<option value="ADMIN">Admin</option> // HTML/Razor markup element rendered to the page

<option value="AGENT">Agent</option> // HTML/Razor markup element rendered to the page

<option value="CUSTOMER">Customer</option> // HTML/Razor markup element rendered to the page

</select> // HTML/Razor markup element rendered to the page

<label for="Role">User Type</label> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<button type="submit" class="btn btn-app-primary w-100">Login</button> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="text-center mt-3 auth-links"> // HTML/Razor markup element rendered to the page

<a href="/Auth/ForgotPassword">Forgot Password?</a> | // Code statement that contributes to the application's behavior

<a href="/Auth/Register">Register</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Auth/Register.cshtml

﻿@{ // Code statement that contributes to the application's behavior

ViewData["Title"] = "Register"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<!-- Font Awesome for icons --> // HTML/Razor markup element rendered to the page

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css" /> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="container mt-5"> // HTML/Razor markup element rendered to the page

@\* Success Message Block \*@ // Code statement that contributes to the application's behavior

@{ // Begins a Razor code block for server-side logic

var successMessage = ViewBag.SuccessMessage as string; // Code statement that contributes to the application's behavior

var triggerRedirect = ViewBag.TriggerRedirect as bool?; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

@if (!string.IsNullOrEmpty(successMessage)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success text-center mt-4"> // HTML/Razor markup element rendered to the page

<i class="fas fa-check-circle text-success me-2"></i> // HTML/Razor markup element rendered to the page

@successMessage // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<script> // HTML/Razor markup element rendered to the page

setTimeout(function () { // Code statement that contributes to the application's behavior

window.location.href = '@Url.Action("Login", "Auth")'; // Code statement that contributes to the application's behavior

}, 3000); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

<h2 class="text-center mb-4">Choose Your Role to Register</h2> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row text-center mb-5"> // HTML/Razor markup element rendered to the page

<!-- Admin Card --> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<div class="role-card admin-card" onclick="showForm('ADMIN')"> // HTML/Razor markup element rendered to the page

<i class="fas fa-user-shield fa-2x mb-2 text-danger"></i> // HTML/Razor markup element rendered to the page

<h4>Admin</h4> // HTML/Razor markup element rendered to the page

<p>Manage users, policies, and system settings.</p> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="form-container" id="form-ADMIN" style="display:none;"> // HTML/Razor markup element rendered to the page

<form asp-action="Register" method="post"> // HTML/Razor markup element rendered to the page

<input type="hidden" name="Role" value="ADMIN" /> // HTML/Razor markup element rendered to the page

<input type="text" name="Username" class="form-control mb-2" placeholder="Username" required /> // HTML/Razor markup element rendered to the page

<input type="password" name="Password" class="form-control mb-2" placeholder="Password" required /> // HTML/Razor markup element rendered to the page

<input type="email" name="Email" class="form-control mb-3" placeholder="Email" required /> // HTML/Razor markup element rendered to the page

<button type="submit" class="btn btn-danger w-100">Register as Admin</button> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- Agent Card --> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<div class="role-card agent-card" onclick="showForm('AGENT')"> // HTML/Razor markup element rendered to the page

<i class="fas fa-user-tie fa-2x mb-2 text-warning"></i> // HTML/Razor markup element rendered to the page

<h4>Agent</h4> // HTML/Razor markup element rendered to the page

<p>Handle claims, assist customers, and track policies.</p> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="form-container" id="form-AGENT" style="display:none;"> // HTML/Razor markup element rendered to the page

<form asp-action="Register" method="post"> // HTML/Razor markup element rendered to the page

<input type="hidden" name="Role" value="AGENT" /> // HTML/Razor markup element rendered to the page

<input type="text" name="Username" class="form-control mb-2" placeholder="Username" required /> // HTML/Razor markup element rendered to the page

<input type="password" name="Password" class="form-control mb-2" placeholder="Password" required /> // HTML/Razor markup element rendered to the page

<input type="email" name="Email" class="form-control mb-3" placeholder="Email" required /> // HTML/Razor markup element rendered to the page

<button type="submit" class="btn btn-warning w-100 text-dark">Register as Agent</button> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- Customer Card --> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<div class="role-card customer-card" onclick="showForm('CUSTOMER')"> // HTML/Razor markup element rendered to the page

<i class="fas fa-user fa-2x mb-2 text-success"></i> // HTML/Razor markup element rendered to the page

<h4>Customer</h4> // HTML/Razor markup element rendered to the page

<p>View policies, file claims, and manage your account.</p> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="form-container" id="form-CUSTOMER" style="display:none;"> // HTML/Razor markup element rendered to the page

<form asp-action="Register" method="post"> // HTML/Razor markup element rendered to the page

<input type="hidden" name="Role" value="CUSTOMER" /> // HTML/Razor markup element rendered to the page

<input type="text" name="Username" class="form-control mb-2" placeholder="Username" required /> // HTML/Razor markup element rendered to the page

<input type="password" name="Password" class="form-control mb-2" placeholder="Password" required /> // HTML/Razor markup element rendered to the page

<input type="email" name="Email" class="form-control mb-3" placeholder="Email" required /> // HTML/Razor markup element rendered to the page

<button type="submit" class="btn btn-success w-100">Register as Customer</button> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<!-- Styling --> // HTML/Razor markup element rendered to the page

<style> // HTML/Razor markup element rendered to the page

.role-card { // Code statement that contributes to the application's behavior

border: 2px solid #ccc; // Code statement that contributes to the application's behavior

border-radius: 15px; // Code statement that contributes to the application's behavior

padding: 25px; // Code statement that contributes to the application's behavior

min-height: 320px; // Code statement that contributes to the application's behavior

transition: all 0.3s ease; // Code statement that contributes to the application's behavior

position: relative; // Code statement that contributes to the application's behavior

background: linear-gradient(to bottom right, #f8f9fa, #e9ecef); // Code statement that contributes to the application's behavior

box-shadow: 0 4px 8px rgba(0,0,0,0.1); // Code statement that contributes to the application's behavior

cursor: pointer; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

.role-card:hover { // Code statement that contributes to the application's behavior

transform: scale(1.03); // Code statement that contributes to the application's behavior

box-shadow: 0 6px 12px rgba(0,0,0,0.15); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

.admin-card { // Code statement that contributes to the application's behavior

border-left: 6px solid #dc3545; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

.agent-card { // Code statement that contributes to the application's behavior

border-left: 6px solid #ffc107; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

.customer-card { // Code statement that contributes to the application's behavior

border-left: 6px solid #28a745; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

.form-container { // Code statement that contributes to the application's behavior

margin-top: 20px; // Code statement that contributes to the application's behavior

animation: fadeIn 0.4s ease-in-out; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

body { // Code statement that contributes to the application's behavior

background: linear-gradient(to bottom right, #f0f4f8, #d9e2ec); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

// Blank line for readability

.form-control { // Code statement that contributes to the application's behavior

border-radius: 8px; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

.btn { // Code statement that contributes to the application's behavior

border-radius: 8px; // Code statement that contributes to the application's behavior

font-weight: bold; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

@@keyframes fadeIn { // Code statement that contributes to the application's behavior

from { // Code statement that contributes to the application's behavior

opacity: 0; // Code statement that contributes to the application's behavior

transform: translateY(10px); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

to { // Code statement that contributes to the application's behavior

opacity: 1; // Code statement that contributes to the application's behavior

transform: translateY(0); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

.form-container { // Code statement that contributes to the application's behavior

animation: fadeIn 0.4s ease-in-out; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

// Blank line for readability

// Blank line for readability

<!-- Script --> // HTML/Razor markup element rendered to the page

<script> // HTML/Razor markup element rendered to the page

function showForm(role) { // Code statement that contributes to the application's behavior

// Hide all forms // Code statement that contributes to the application's behavior

document.querySelectorAll('.form-container').forEach(form => form.style.display = 'none'); // Code statement that contributes to the application's behavior

// Blank line for readability

// Show selected form // Code statement that contributes to the application's behavior

document.getElementById(`form-${role}`).style.display = 'block'; // Code statement that contributes to the application's behavior

// Blank line for readability

// Scroll to selected card // Code statement that contributes to the application's behavior

const card = document.querySelector(`.${role.toLowerCase()}-card`); // Code statement that contributes to the application's behavior

window.scrollTo({ top: card.offsetTop, behavior: 'smooth' }); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/ClaimSubmit.cshtml

@model Auto\_Insurance\_System.Models.Claim // Specifies the model type for this view: Auto\_Insurance\_System.Models.Claim

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • Submit Claim"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Submit Claim</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PolicyId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="ClaimAmount" type="number" step="0.01" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="ClaimDate" type="date" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<input type="hidden" asp-for="ClaimStatus" value="OPEN" /> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Adjuster Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="AdjusterId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Submit</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/Claims.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Claim> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Claim>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • My Claims"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">My Claims</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="ClaimsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle mb-0"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Claim Id</th> // HTML/Razor markup element rendered to the page

<th>Policy</th> // HTML/Razor markup element rendered to the page

<th>Amount</th> // HTML/Razor markup element rendered to the page

<th>Date</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var c in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@c.ClaimId</td> // HTML/Razor markup element rendered to the page

<td>@c.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@c.ClaimAmount</td> // HTML/Razor markup element rendered to the page

<td>@c.ClaimDate.ToShortDateString()</td> // HTML/Razor markup element rendered to the page

<td><span class="badge bg-secondary">@c.ClaimStatus</span></td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/ClaimsHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • Claims"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Claims</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="CustomerDashboard">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="ClaimSubmit"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3">🧾</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Submit Claim</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Create new claim</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="Claims"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3">📃</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">My Claims</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">View submitted</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/PaymentMake.cshtml

@model Auto\_Insurance\_System.Models.Payment // Specifies the model type for this view: Auto\_Insurance\_System.Models.Payment

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • Make Payment"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Make Payment</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PolicyId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PaymentAmount" type="number" step="0.01" required /> // HTML/Razor markup element rendered to the page

<small class="text-muted">Amount must equal the policy's premium.</small> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<input type="hidden" asp-for="PaymentStatus" value="SUCCESS" /> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="PaymentDate" type="date" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Record</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/Payments.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Payment> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Payment>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • My Payments"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">My Payments</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PaymentsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-striped align-middle"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Payment Id</th> // HTML/Razor markup element rendered to the page

<th>Policy</th> // HTML/Razor markup element rendered to the page

<th>Amount</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Date</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var p in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@p.PaymentId</td> // HTML/Razor markup element rendered to the page

<td>@p.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@p.PaymentAmount</td> // HTML/Razor markup element rendered to the page

<td><span class="badge bg-secondary">@p.PaymentStatus</span></td> // HTML/Razor markup element rendered to the page

<td>@p.PaymentDate.ToShortDateString()</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/PaymentsHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • Payments"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Payments</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="CustomerDashboard">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PaymentMake"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3">💳</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Make Payment</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Record a payment</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="Payments"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3">📃</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">My Payments</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">View history</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/Policies.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.Policy> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.Policy>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • My Policies"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">My Policies</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-hover align-middle mb-0"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Policy Id</th> // HTML/Razor markup element rendered to the page

<th>Number</th> // HTML/Razor markup element rendered to the page

<th>Vehicle</th> // HTML/Razor markup element rendered to the page

<th>Coverage</th> // HTML/Razor markup element rendered to the page

<th>Premium</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var p in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@p.PolicyId</td> // HTML/Razor markup element rendered to the page

<td>@p.PolicyNumber</td> // HTML/Razor markup element rendered to the page

<td>@p.VehicleDetails</td> // HTML/Razor markup element rendered to the page

<td>@p.CoverageType</td> // HTML/Razor markup element rendered to the page

<td>@p.PremiumAmount.ToString("C")</td> // HTML/Razor markup element rendered to the page

<td><span class="badge bg-secondary">@p.PolicyStatus</span></td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/PoliciesHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • Policies"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Policies</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="CustomerDashboard">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="PolicyCreate"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3">📄</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Create Policy</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Add a new policy</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="Policies"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3">📃</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">My Policies</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">View list</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/PolicyCreate.cshtml

@model Auto\_Insurance\_System.Models.Policy // Specifies the model type for this view: Auto\_Insurance\_System.Models.Policy

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • Create Policy"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Create Policy</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Policy Number</label> // HTML/Razor markup element rendered to the page

<input type="hidden" class="form-control" asp-for="PolicyNumber" required /> @Model.PolicyNumber // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Vehicle Details</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="VehicleDetails" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Coverage Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" step="0.01" asp-for="CoverageAmount" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Coverage Type</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="CoverageType" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<label class="form-label">Premium Amount</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="number" step="0.01" asp-for="PremiumAmount" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<label class="form-label">Start Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="date" asp-for="StartDate" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-6"> // HTML/Razor markup element rendered to the page

<label class="form-label">End Date</label> // HTML/Razor markup element rendered to the page

<input class="form-control" type="date" asp-for="EndDate" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<input type="hidden" asp-for="PolicyStatus" value="ACTIVE" /> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Create</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="PoliciesHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/TicketCreate.cshtml

@model Auto\_Insurance\_System.Models.SupportTicket // Specifies the model type for this view: Auto\_Insurance\_System.Models.SupportTicket

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • Create Ticket"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Create Ticket</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (TempData["Success"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-success">@TempData["Success"]</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

@if (ViewBag.Error != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-warning">@ViewBag.Error</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<form method="post" class="row g-3"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<label class="form-label">User Id</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="UserId" type="number" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-8"> // HTML/Razor markup element rendered to the page

<label class="form-label">Issue Description</label> // HTML/Razor markup element rendered to the page

<input class="form-control" asp-for="IssueDescription" required /> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<input type="hidden" asp-for="TicketStatus" value="OPEN" /> // HTML/Razor markup element rendered to the page

<div class="col-12 d-flex gap-2"> // HTML/Razor markup element rendered to the page

<button class="btn btn-primary">Create</button> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Cancel</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</form> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/Tickets.cshtml

@model IEnumerable<Auto\_Insurance\_System.Models.SupportTicket> // Specifies the model type for this view: IEnumerable<Auto\_Insurance\_System.Models.SupportTicket>

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • My Tickets"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center justify-content-between mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">My Tickets</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-action="TicketsHub">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="card shadow-sm"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="table-responsive"> // HTML/Razor markup element rendered to the page

<table class="table table-striped align-middle"> // HTML/Razor markup element rendered to the page

<thead class="table-light"> // HTML/Razor markup element rendered to the page

<tr> // HTML/Razor markup element rendered to the page

<th>Ticket Id</th> // HTML/Razor markup element rendered to the page

<th>Description</th> // HTML/Razor markup element rendered to the page

<th>Status</th> // HTML/Razor markup element rendered to the page

<th>Created</th> // HTML/Razor markup element rendered to the page

<th>Resolved</th> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

</thead> // HTML/Razor markup element rendered to the page

<tbody> // HTML/Razor markup element rendered to the page

@foreach (var t in Model) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<tr> // HTML/Razor markup element rendered to the page

<td>@t.TicketId</td> // HTML/Razor markup element rendered to the page

<td>@t.IssueDescription</td> // HTML/Razor markup element rendered to the page

<td><span class="badge @(t.TicketStatus == TicketStatus.OPEN ? "bg-danger" : "bg-success")">@t.TicketStatus</span></td> // HTML/Razor markup element rendered to the page

<td>@t.CreatedDate.ToString("dd-MMM-yyyy")</td> // HTML/Razor markup element rendered to the page

<td>@(t.ResolvedDate.HasValue ? t.ResolvedDate.Value.ToString("dd-MMM-yyyy") : "-")</td> // HTML/Razor markup element rendered to the page

</tr> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</tbody> // HTML/Razor markup element rendered to the page

</table> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Customer/TicketsHub.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Customer • Tickets"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-4"> // HTML/Razor markup element rendered to the page

<div class="d-flex justify-content-between align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<h2 class="mb-0">Support Tickets</h2> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-secondary" asp-controller="Auth" asp-action="CustomerDashboard">Back</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="row g-4 mt-1"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="TicketCreate"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-success text-white mb-3">🎫</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">Create Ticket</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Log an issue</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<a class="text-decoration-none" asp-action="Tickets"> // HTML/Razor markup element rendered to the page

<div class="tile card shadow-sm border-0 h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body d-flex flex-column justify-content-center align-items-start"> // HTML/Razor markup element rendered to the page

<div class="icon-circle bg-primary text-white mb-3">📃</div> // HTML/Razor markup element rendered to the page

<div class="fs-5 fw-bold">My Tickets</div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">View status</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

.icon-circle{ width:46px;height:46px;border-radius:50%;display:inline-flex;align-items:center;justify-content:center; } // Code statement that contributes to the application's behavior

.tile{ transition:transform .15s ease, box-shadow .15s ease; } // Code statement that contributes to the application's behavior

.tile:hover{ transform:translateY(-2px); box-shadow:0 .75rem 1rem rgba(0,0,0,.08)!important; } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Home/About.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "About · Auto Insurance System"; // Code statement that contributes to the application's behavior

ViewBag.FullWidth = true; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<style> // HTML/Razor markup element rendered to the page

/\* Scoped styles for About page \*/ // Code statement that contributes to the application's behavior

.about-hero { // Code statement that contributes to the application's behavior

background: linear-gradient(135deg, #0d6efd 0%, #0b5ed7 40%, #084298 100%); // Code statement that contributes to the application's behavior

color: #fff; // Code statement that contributes to the application's behavior

position: relative; // Code statement that contributes to the application's behavior

overflow: hidden; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

.about-hero::after { // Code statement that contributes to the application's behavior

content: ""; // Code statement that contributes to the application's behavior

position: absolute; // Code statement that contributes to the application's behavior

right: -10rem; // Code statement that contributes to the application's behavior

top: -10rem; // Code statement that contributes to the application's behavior

width: 32rem; // Code statement that contributes to the application's behavior

height: 32rem; // Code statement that contributes to the application's behavior

background: radial-gradient(closest-side, rgba(255,255,255,.15), rgba(255,255,255,0)); // Code statement that contributes to the application's behavior

filter: blur(2px); // Code statement that contributes to the application's behavior

border-radius: 50%; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

.about-badge { // Code statement that contributes to the application's behavior

display: inline-flex; // Code statement that contributes to the application's behavior

align-items: center; // Code statement that contributes to the application's behavior

gap: .5rem; // Code statement that contributes to the application's behavior

background: rgba(255,255,255,.12); // Code statement that contributes to the application's behavior

border: 1px solid rgba(255,255,255,.2); // Code statement that contributes to the application's behavior

color: #fff; // Code statement that contributes to the application's behavior

padding: .375rem .75rem; // Code statement that contributes to the application's behavior

border-radius: 999px; // Code statement that contributes to the application's behavior

font-size: .875rem; // Code statement that contributes to the application's behavior

letter-spacing: .02em; // Code statement that contributes to the application's behavior

backdrop-filter: blur(2px); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

.about-card { // Code statement that contributes to the application's behavior

border: 1px solid #eef1f5; // Code statement that contributes to the application's behavior

box-shadow: 0 6px 18px rgba(16,24,40,.06); // Code statement that contributes to the application's behavior

border-radius: 1rem; // Code statement that contributes to the application's behavior

transition: transform .2s ease, box-shadow .2s ease; // Code statement that contributes to the application's behavior

background: #fff; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

.about-card:hover { transform: translateY(-2px); box-shadow: 0 10px 24px rgba(16,24,40,.12); } // Code statement that contributes to the application's behavior

// Blank line for readability

.feature-icon { // Code statement that contributes to the application's behavior

width: 44px; height: 44px; // Code statement that contributes to the application's behavior

border-radius: .75rem; // Code statement that contributes to the application's behavior

display: inline-flex; align-items: center; justify-content: center; // Code statement that contributes to the application's behavior

background: #eef4ff; color: #0d6efd; // Code statement that contributes to the application's behavior

box-shadow: inset 0 0 0 1px rgba(13,110,253,.15); // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

.timeline { // Code statement that contributes to the application's behavior

position: relative; // Code statement that contributes to the application's behavior

padding-left: 1.75rem; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

.timeline::before { // Code statement that contributes to the application's behavior

content: ""; position: absolute; top: .25rem; bottom: .25rem; left: .5rem; width: 2px; background: #e5e7eb; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

.timeline .dot { width: .75rem; height: .75rem; background: #0d6efd; border-radius: 999px; position: absolute; left: .125rem; margin-top: .5rem; } // Code statement that contributes to the application's behavior

// Blank line for readability

.faq-item { border-bottom: 1px solid #eef1f5; } // Code statement that contributes to the application's behavior

.faq-item:last-child { border-bottom: 0; } // Code statement that contributes to the application's behavior

// Blank line for readability

.cta-banner { background: linear-gradient(135deg, #f8fafc 0%, #f1f5f9 100%); border: 1px solid #edf2f7; } // Code statement that contributes to the application's behavior

// Blank line for readability

/\* Page background wrapper \*/ // Code statement that contributes to the application's behavior

.about-page-bg { background: linear-gradient(180deg, #f6f9ff 0%, #f8fafc 100%); } // Code statement that contributes to the application's behavior

</style> // HTML/Razor markup element rendered to the page

<div class="about-page-bg"> // HTML/Razor markup element rendered to the page

// Blank line for readability

<section class="about-hero py-5 py-lg-6 full-bleed"> // HTML/Razor markup element rendered to the page

<div class="container-xl"> // HTML/Razor markup element rendered to the page

<div class="row align-items-center g-4"> // HTML/Razor markup element rendered to the page

<div class="col-12 col-lg-8"> // HTML/Razor markup element rendered to the page

// Blank line for readability

<h1 class="display-5 fw-bold mb-3">About Auto Insurance System</h1> // HTML/Razor markup element rendered to the page

<p class="lead mb-4 opacity-75"> // HTML/Razor markup element rendered to the page

A modern, secure platform for managing policies, claims, payments, and support—crafted for customers, // Code statement that contributes to the application's behavior

agents, and administrators. // Code statement that contributes to the application's behavior

</p> // HTML/Razor markup element rendered to the page

<div class="d-flex flex-wrap gap-2"> // HTML/Razor markup element rendered to the page

<a class="btn btn-light text-primary fw-semibold" asp-controller="Home" asp-action="Landing">Explore Portals</a> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-light" asp-controller="Home" asp-action="Privacy">Privacy Policy</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</section> // HTML/Razor markup element rendered to the page

// Blank line for readability

<section class="py-5"> // HTML/Razor markup element rendered to the page

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="row g-4"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<div class="about-card h-100 p-4"> // HTML/Razor markup element rendered to the page

<div class="feature-icon mb-3">🔒</div> // HTML/Razor markup element rendered to the page

<h5 class="fw-semibold mb-2">Security First</h5> // HTML/Razor markup element rendered to the page

<p class="text-secondary mb-0">Role-based access ensures Admins, Agents, and Customers see exactly what they need—nothing more.</p> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<div class="about-card h-100 p-4"> // HTML/Razor markup element rendered to the page

<div class="feature-icon mb-3">⚡</div> // HTML/Razor markup element rendered to the page

<h5 class="fw-semibold mb-2">Fast & Responsive</h5> // HTML/Razor markup element rendered to the page

<p class="text-secondary mb-0">Optimized pages and clean UI components deliver a smooth experience on any device.</p> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<div class="about-card h-100 p-4"> // HTML/Razor markup element rendered to the page

<div class="feature-icon mb-3">📈</div> // HTML/Razor markup element rendered to the page

<h5 class="fw-semibold mb-2">Operational Insight</h5> // HTML/Razor markup element rendered to the page

<p class="text-secondary mb-0">Admins get at‑a‑glance metrics across policies, claims, payments, and tickets.</p> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</section> // HTML/Razor markup element rendered to the page

// Blank line for readability

<section class="py-5 bg-light"> // HTML/Razor markup element rendered to the page

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="row g-4"> // HTML/Razor markup element rendered to the page

<div class="col-lg-6"> // HTML/Razor markup element rendered to the page

<div class="about-card p-4 p-lg-5 h-100"> // HTML/Razor markup element rendered to the page

<h4 class="fw-semibold mb-3">Who’s it for?</h4> // HTML/Razor markup element rendered to the page

<div class="row row-cols-1 row-cols-sm-2 g-3"> // HTML/Razor markup element rendered to the page

<div class="col"> // HTML/Razor markup element rendered to the page

<div class="p-3 border rounded-3 h-100"> // HTML/Razor markup element rendered to the page

<div class="small text-uppercase text-secondary mb-1">Customers</div> // HTML/Razor markup element rendered to the page

<div class="mb-2">View active policies, file claims, and pay securely.</div> // HTML/Razor markup element rendered to the page

<a class="link-primary small" asp-controller="Auth" asp-action="Login" asp-route-Role="CUSTOMER">Login as Customer</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col"> // HTML/Razor markup element rendered to the page

<div class="p-3 border rounded-3 h-100"> // HTML/Razor markup element rendered to the page

<div class="small text-uppercase text-secondary mb-1">Agents</div> // HTML/Razor markup element rendered to the page

<div class="mb-2">Manage claims, users, and tickets with clear workflows.</div> // HTML/Razor markup element rendered to the page

<a class="link-warning small" asp-controller="Auth" asp-action="Login" asp-route-Role="AGENT">Login as Agent</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col"> // HTML/Razor markup element rendered to the page

<div class="p-3 border rounded-3 h-100"> // HTML/Razor markup element rendered to the page

<div class="small text-uppercase text-secondary mb-1">Admins</div> // HTML/Razor markup element rendered to the page

<div class="mb-2">Oversee users, policies, payments, and system health.</div> // HTML/Razor markup element rendered to the page

<a class="link-success small" asp-controller="Auth" asp-action="Login" asp-route-Role="ADMIN">Login as Admin</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col"> // HTML/Razor markup element rendered to the page

<div class="p-3 border rounded-3 h-100"> // HTML/Razor markup element rendered to the page

<div class="small text-uppercase text-secondary mb-1">Auditors</div> // HTML/Razor markup element rendered to the page

<div class="mb-0">Export reports and review historical data for compliance.</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-lg-6"> // HTML/Razor markup element rendered to the page

<div class="about-card p-4 p-lg-5 h-100"> // HTML/Razor markup element rendered to the page

<h4 class="fw-semibold mb-3">How it works</h4> // HTML/Razor markup element rendered to the page

<div class="timeline"> // HTML/Razor markup element rendered to the page

<div class="position-relative ps-4 mb-3"> // HTML/Razor markup element rendered to the page

<div class="dot"></div> // HTML/Razor markup element rendered to the page

<div class="fw-semibold">Authenticate</div> // HTML/Razor markup element rendered to the page

<small class="text-secondary">Sign in with your role to access tailored tools.</small> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="position-relative ps-4 mb-3"> // HTML/Razor markup element rendered to the page

<div class="dot"></div> // HTML/Razor markup element rendered to the page

<div class="fw-semibold">Take Action</div> // HTML/Razor markup element rendered to the page

<small class="text-secondary">Create policies, submit or review claims, and manage payments.</small> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="position-relative ps-4"> // HTML/Razor markup element rendered to the page

<div class="dot"></div> // HTML/Razor markup element rendered to the page

<div class="fw-semibold">Track & Report</div> // HTML/Razor markup element rendered to the page

<small class="text-secondary">Monitor statuses and export insights for decision‑making.</small> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</section> // HTML/Razor markup element rendered to the page

// Blank line for readability

<section class="py-5"> // HTML/Razor markup element rendered to the page

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="row g-4"> // HTML/Razor markup element rendered to the page

<div class="col-lg-7"> // HTML/Razor markup element rendered to the page

<div class="about-card p-4 p-lg-5 h-100"> // HTML/Razor markup element rendered to the page

<h4 class="fw-semibold mb-3">Frequently Asked Questions</h4> // HTML/Razor markup element rendered to the page

<div class="faq-item py-3"> // HTML/Razor markup element rendered to the page

<button class="btn btn-link text-decoration-none p-0 w-100 text-start d-flex justify-content-between align-items-center" data-faq> // HTML/Razor markup element rendered to the page

<span class="fw-semibold">Can I switch roles after logging in?</span> // HTML/Razor markup element rendered to the page

<span class="text-secondary">▼</span> // HTML/Razor markup element rendered to the page

</button> // HTML/Razor markup element rendered to the page

<div class="collapse show mt-2" data-faq-panel> // HTML/Razor markup element rendered to the page

<small class="text-secondary">Yes. Log out and sign back in with the intended role. Each role has unique permissions.</small> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="faq-item py-3"> // HTML/Razor markup element rendered to the page

<button class="btn btn-link text-decoration-none p-0 w-100 text-start d-flex justify-content-between align-items-center" data-faq> // HTML/Razor markup element rendered to the page

<span class="fw-semibold">How are payments handled?</span> // HTML/Razor markup element rendered to the page

<span class="text-secondary">▼</span> // HTML/Razor markup element rendered to the page

</button> // HTML/Razor markup element rendered to the page

<div class="collapse mt-2" data-faq-panel> // HTML/Razor markup element rendered to the page

<small class="text-secondary">Payments are tracked with clear statuses. Admins can review transactions and monthly revenue.</small> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="faq-item py-3"> // HTML/Razor markup element rendered to the page

<button class="btn btn-link text-decoration-none p-0 w-100 text-start d-flex justify-content-between align-items-center" data-faq> // HTML/Razor markup element rendered to the page

<span class="fw-semibold">What happens if I’m not authorized?</span> // HTML/Razor markup element rendered to the page

<span class="text-secondary">▼</span> // HTML/Razor markup element rendered to the page

</button> // HTML/Razor markup element rendered to the page

<div class="collapse mt-2" data-faq-panel> // HTML/Razor markup element rendered to the page

<small class="text-secondary">You’ll be redirected to an Access Denied page. Contact an administrator if you require elevated permissions.</small> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-lg-5"> // HTML/Razor markup element rendered to the page

<div class="about-card p-4 p-lg-5 cta-banner h-100"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<div class="feature-icon me-3">🚀</div> // HTML/Razor markup element rendered to the page

<div class="fw-semibold">Get started now</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<p class="text-secondary">Choose your portal and experience a streamlined insurance workflow.</p> // HTML/Razor markup element rendered to the page

<div class="d-grid gap-2"> // HTML/Razor markup element rendered to the page

<a class="btn btn-primary" asp-controller="Auth" asp-action="Login" asp-route-Role="CUSTOMER">Login as Customer</a> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-primary" asp-controller="Auth" asp-action="Login" asp-route-Role="AGENT">Login as Agent</a> // HTML/Razor markup element rendered to the page

<a class="btn btn-light" asp-controller="Auth" asp-action="Login" asp-route-Role="ADMIN">Login as Admin</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</section> // HTML/Razor markup element rendered to the page

// Blank line for readability

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<script> // HTML/Razor markup element rendered to the page

// Minimal JS to enhance FAQ toggles // Code statement that contributes to the application's behavior

document.querySelectorAll('[data-faq]').forEach(function(btn){ // Code statement that contributes to the application's behavior

btn.addEventListener('click', function(){ // Code statement that contributes to the application's behavior

const panel = this.parentElement.querySelector('[data-faq-panel]'); // Code statement that contributes to the application's behavior

document.querySelectorAll('[data-faq-panel]').forEach(p => { if (p !== panel) p.classList.remove('show'); }); // Code statement that contributes to the application's behavior

panel.classList.toggle('show'); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

}); // Code statement that contributes to the application's behavior

</script> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Home/Index.cshtml

﻿@{ // Code statement that contributes to the application's behavior

ViewData["Title"] = "Home"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

<!-- Redirect handled by HomeController.Index() to Landing --> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Home/Landing.cshtml

﻿@{ // Code statement that contributes to the application's behavior

ViewData["Title"] = "Auto Insurance System"; // Code statement that contributes to the application's behavior

ViewBag.FullWidth = true; // Code statement that contributes to the application's behavior

ViewBag.NoTopPadding = true; // Code statement that contributes to the application's behavior

ViewBag.BodyClass = "is-landing"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

@if (TempData["LoginError"] != null) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="alert alert-danger text-center"> // HTML/Razor markup element rendered to the page

@TempData["LoginError"] // Code statement that contributes to the application's behavior

</div> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<section class="hero-banner text-white"> // HTML/Razor markup element rendered to the page

<div class="px-3 px-md-4 py-4 py-lg-5"> // HTML/Razor markup element rendered to the page

<div class="row align-items-center g-4"> // HTML/Razor markup element rendered to the page

<div class="col-12 col-lg-10"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center mb-3"> // HTML/Razor markup element rendered to the page

<div class="logo-wrap me-3"> // HTML/Razor markup element rendered to the page

<svg width="56" height="56" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg"> // HTML/Razor markup element rendered to the page

<rect width="24" height="24" rx="6" fill="#ffffff"/> // HTML/Razor markup element rendered to the page

<path d="M5 13c1.5-3.5 4.5-5.5 7-5.5s5.5 2 7 5.5" stroke="#0d6efd" stroke-width="2" stroke-linecap="round"/> // HTML/Razor markup element rendered to the page

<path d="M5 15h14" stroke="#0d6efd" stroke-width="2" stroke-linecap="round"/> // HTML/Razor markup element rendered to the page

<circle cx="12" cy="10" r="2" fill="#0d6efd"/> // HTML/Razor markup element rendered to the page

</svg> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div> // HTML/Razor markup element rendered to the page

<h1 class="display-5 fw-bold m-0">Auto Insurance System</h1> // HTML/Razor markup element rendered to the page

<p class="lead m-0">Comprehensive claims and policy management.</p> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</section> // HTML/Razor markup element rendered to the page

// Blank line for readability

<section class="py-5"> // HTML/Razor markup element rendered to the page

<div class="container"> // HTML/Razor markup element rendered to the page

<div class="row g-4"> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<div class="card card-portal h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="portal-icon bg-primary-subtle text-app-primary"> // HTML/Razor markup element rendered to the page

<svg width="28" height="28" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg"> // HTML/Razor markup element rendered to the page

<circle cx="12" cy="8" r="3.5" stroke="#0d6efd" stroke-width="2" /> // HTML/Razor markup element rendered to the page

<path d="M5 20c0-3.5 3.5-6 7-6s7 2.5 7 6" stroke="#0d6efd" stroke-width="2" stroke-linecap="round"/> // HTML/Razor markup element rendered to the page

</svg> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<h5 class="card-title mt-3">Customer Portal</h5> // HTML/Razor markup element rendered to the page

<p class="card-text">Access your policies, file claims, and track claim status.</p> // HTML/Razor markup element rendered to the page

<a class="stretched-link" asp-controller="Auth" asp-action="Login" asp-route-Role="CUSTOMER" aria-label="Login as Customer"></a> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-primary w-100" asp-controller="Auth" asp-action="Login" asp-route-Role="CUSTOMER">Login as Customer</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<div class="card card-portal h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="portal-icon bg-warning-subtle text-warning"> // HTML/Razor markup element rendered to the page

<svg width="28" height="28" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg"> // HTML/Razor markup element rendered to the page

<path d="M5 5h14v10H5z" stroke="#f0ad4e" stroke-width="2"/> // HTML/Razor markup element rendered to the page

<path d="M9 19h6" stroke="#f0ad4e" stroke-width="2" stroke-linecap="round"/> // HTML/Razor markup element rendered to the page

<circle cx="12" cy="10" r="2" fill="#f0ad4e"/> // HTML/Razor markup element rendered to the page

</svg> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<h5 class="card-title mt-3">Agent Workspace</h5> // HTML/Razor markup element rendered to the page

<p class="card-text">Manage assigned claims, update statuses, and assist customers.</p> // HTML/Razor markup element rendered to the page

<a class="stretched-link" asp-controller="Auth" asp-action="Login" asp-route-Role="AGENT" aria-label="Login as Agent"></a> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-warning w-100" asp-controller="Auth" asp-action="Login" asp-route-Role="AGENT">Login as Agent</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-4"> // HTML/Razor markup element rendered to the page

<div class="card card-portal h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="portal-icon bg-success-subtle text-success"> // HTML/Razor markup element rendered to the page

<svg width="28" height="28" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg"> // HTML/Razor markup element rendered to the page

<path d="M5 7h14v10H5z" stroke="#28a745" stroke-width="2"/> // HTML/Razor markup element rendered to the page

<path d="M8 10h5M8 13h8" stroke="#28a745" stroke-width="2" stroke-linecap="round"/> // HTML/Razor markup element rendered to the page

</svg> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<h5 class="card-title mt-3">Admin Panel</h5> // HTML/Razor markup element rendered to the page

<p class="card-text">Oversee users, policies, claims, payments, and support tickets.</p> // HTML/Razor markup element rendered to the page

<a class="stretched-link" asp-controller="Auth" asp-action="Login" asp-route-Role="ADMIN" aria-label="Login as Admin"></a> // HTML/Razor markup element rendered to the page

<a class="btn btn-success w-100" asp-controller="Auth" asp-action="Login" asp-route-Role="ADMIN">Login as Admin</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</section> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Home/Privacy.cshtml

﻿@{ // Code statement that contributes to the application's behavior

ViewData["Title"] = "Privacy Policy"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<section class="pb-2"> // HTML/Razor markup element rendered to the page

<h1 class="h4 fw-semibold mb-1">@ViewData["Title"]</h1> // HTML/Razor markup element rendered to the page

<p class="text-secondary small mb-0">Your privacy matters. This Policy explains what we collect, why we collect it, and how you can manage your information when using Auto Insurance System.</p> // HTML/Razor markup element rendered to the page

</section> // HTML/Razor markup element rendered to the page

// Blank line for readability

<hr/> // HTML/Razor markup element rendered to the page

// Blank line for readability

<section class="pt-3"> // HTML/Razor markup element rendered to the page

<div class="row g-4"> // HTML/Razor markup element rendered to the page

<div class="col-12"> // HTML/Razor markup element rendered to the page

<h2 id="info-we-collect" class="h5">Information We Collect</h2> // HTML/Razor markup element rendered to the page

<p class="small">We collect information to deliver insurance services, process claims, and secure your account.</p> // HTML/Razor markup element rendered to the page

<ul class="small"> // HTML/Razor markup element rendered to the page

<li><strong>Account details</strong>: name, email, phone, address, and authentication data.</li> // HTML/Razor markup element rendered to the page

<li><strong>Policy & claim data</strong>: policy numbers, coverage details, claim submissions, evidence you upload.</li> // HTML/Razor markup element rendered to the page

<li><strong>Payments</strong>: transaction identifiers and status. Card data is handled by our payment processor and is not stored on our servers.</li> // HTML/Razor markup element rendered to the page

<li><strong>Device & usage</strong>: IP address, browser, pages visited, and interactions to improve reliability and security.</li> // HTML/Razor markup element rendered to the page

<li><strong>Cookies</strong>: small files to keep you signed in and to remember preferences. See Cookies below.</li> // HTML/Razor markup element rendered to the page

</ul> // HTML/Razor markup element rendered to the page

// Blank line for readability

<h2 id="how-we-use" class="h5 mt-4">How We Use Information</h2> // HTML/Razor markup element rendered to the page

<ul class="small"> // HTML/Razor markup element rendered to the page

<li>Provide, operate, and maintain policy and claims features.</li> // HTML/Razor markup element rendered to the page

<li>Authenticate users, prevent fraud, and secure the platform.</li> // HTML/Razor markup element rendered to the page

<li>Process payments and send transactional communications.</li> // HTML/Razor markup element rendered to the page

<li>Respond to support requests and improve our services.</li> // HTML/Razor markup element rendered to the page

<li>Comply with legal obligations.</li> // HTML/Razor markup element rendered to the page

</ul> // HTML/Razor markup element rendered to the page

// Blank line for readability

// Blank line for readability

<h2 id="sharing" class="h5 mt-4">Sharing & Disclosure</h2> // HTML/Razor markup element rendered to the page

<ul class="small"> // HTML/Razor markup element rendered to the page

<li><strong>Service providers</strong>: infrastructure, payments, communications, and analytics providers under contract.</li> // HTML/Razor markup element rendered to the page

<li><strong>Legal & compliance</strong>: to comply with law, enforce terms, or protect rights.</li> // HTML/Razor markup element rendered to the page

<li><strong>Business transfers</strong>: in connection with a merger, sale, or acquisition.</li> // HTML/Razor markup element rendered to the page

</ul> // HTML/Razor markup element rendered to the page

// Blank line for readability

// Blank line for readability

<h2 id="security" class="h5 mt-4">Security</h2> // HTML/Razor markup element rendered to the page

<p class="small">We use administrative, technical, and physical safeguards to protect information, including encryption in transit, access controls, and monitoring. No method of transmission or storage is completely secure; we work continuously to enhance our protections.</p> // HTML/Razor markup element rendered to the page

// Blank line for readability

<h2 id="your-rights" class="h5 mt-4">Your Rights</h2> // HTML/Razor markup element rendered to the page

<p class="small">Depending on your location, you may have rights to:</p> // HTML/Razor markup element rendered to the page

<ul class="small"> // HTML/Razor markup element rendered to the page

<li>Access, correct, or delete your personal information.</li> // HTML/Razor markup element rendered to the page

<li>Object to or restrict certain processing.</li> // HTML/Razor markup element rendered to the page

<li>Port a copy of your information.</li> // HTML/Razor markup element rendered to the page

<li>Withdraw consent where processing is based on consent.</li> // HTML/Razor markup element rendered to the page

</ul> // HTML/Razor markup element rendered to the page

<p class="small">To exercise these rights, see <a href="#contact">Contact Us</a>. You may also have the right to lodge a complaint with your local data protection authority.</p> // HTML/Razor markup element rendered to the page

// Blank line for readability

<h2 id="cookies" class="h5 mt-4">Cookies</h2> // HTML/Razor markup element rendered to the page

<p class="small">We use essential cookies for authentication and session management, and optional cookies to remember preferences and measure usage. You can control cookies in your browser settings; disabling essential cookies may limit functionality.</p> // HTML/Razor markup element rendered to the page

// Blank line for readability

// Blank line for readability

<h2 id="children" class="h5 mt-4">Children’s Privacy</h2> // HTML/Razor markup element rendered to the page

<p class="small">Our services are not directed to children under 13 (or the age required by your jurisdiction). We do not knowingly collect information from children. If you believe a child has provided personal information, please contact us and we will take appropriate steps.</p> // HTML/Razor markup element rendered to the page

// Blank line for readability

<h2 id="changes" class="h5 mt-4">Changes to This Policy</h2> // HTML/Razor markup element rendered to the page

<p class="small">We may update this Policy from time to time. We will post the updated version and revise the date in the file history. Material changes will be communicated as required by law.</p> // HTML/Razor markup element rendered to the page

// Blank line for readability

<h2 id="contact" class="h5 mt-4">Contact Us</h2> // HTML/Razor markup element rendered to the page

<p class="small mb-0"> // HTML/Razor markup element rendered to the page

Auto Insurance System<br/> // Code statement that contributes to the application's behavior

Email: <a href="mailto:privacy@autoinsurance.local">privacy@autoinsurance.local</a><br/> // Code statement that contributes to the application's behavior

Address: 123 Example Street, Suite 100, Your City, Your Country // Code statement that contributes to the application's behavior

</p> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</section> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Shared/AccessDenied.cshtml

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Access Denied"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="container py-5"> // HTML/Razor markup element rendered to the page

<h1 class="text-danger">Access Denied</h1> // HTML/Razor markup element rendered to the page

<p>You do not have permission to access this resource.</p> // HTML/Razor markup element rendered to the page

<p> // HTML/Razor markup element rendered to the page

<a class="btn btn-primary" href="@Url.Action("Landing", "Home")">Go to Home</a> // HTML/Razor markup element rendered to the page

</p> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Shared/Error.cshtml

﻿@model ErrorViewModel // Code statement that contributes to the application's behavior

@{ // Begins a Razor code block for server-side logic

ViewData["Title"] = "Error"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<h1 class="text-danger">Error.</h1> // HTML/Razor markup element rendered to the page

<h2 class="text-danger">An error occurred while processing your request.</h2> // HTML/Razor markup element rendered to the page

// Blank line for readability

@if (Model.ShowRequestId) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<p> // HTML/Razor markup element rendered to the page

<strong>Request ID:</strong> <code>@Model.RequestId</code> // HTML/Razor markup element rendered to the page

</p> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

// Blank line for readability

<h3>Development Mode</h3> // HTML/Razor markup element rendered to the page

<p> // HTML/Razor markup element rendered to the page

Swapping to <strong>Development</strong> environment will display more detailed information about the error that occurred. // Code statement that contributes to the application's behavior

</p> // HTML/Razor markup element rendered to the page

<p> // HTML/Razor markup element rendered to the page

<strong>The Development environment shouldn't be enabled for deployed applications.</strong> // HTML/Razor markup element rendered to the page

It can result in displaying sensitive information from exceptions to end users. // Code statement that contributes to the application's behavior

For local debugging, enable the <strong>Development</strong> environment by setting the <strong>ASPNETCORE\_ENVIRONMENT</strong> environment variable to <strong>Development</strong> // Code statement that contributes to the application's behavior

and restarting the app. // Code statement that contributes to the application's behavior

</p> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Shared/\_AdminStats.cshtml

@{ // Begins a Razor code block for server-side logic

var activePolicies = ViewBag.ActivePolicies as int? ?? 0; // Code statement that contributes to the application's behavior

var pendingClaims = ViewBag.PendingClaims as int? ?? 0; // Code statement that contributes to the application's behavior

var revenueThisMonth = ViewBag.RevenueThisMonth as decimal? ?? 0m; // Code statement that contributes to the application's behavior

var openTickets = ViewBag.OpenTickets as int? ?? 0; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<div class="row g-3 mb-4"> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<div class="card shadow-sm border-0 stat-card h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center"> // HTML/Razor markup element rendered to the page

<div class="portal-icon bg-success-subtle text-success me-2">📄</div> // HTML/Razor markup element rendered to the page

<div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Active Policies</div> // HTML/Razor markup element rendered to the page

<div class="fs-2 fw-semibold">@activePolicies</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<div class="card shadow-sm border-0 stat-card h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center"> // HTML/Razor markup element rendered to the page

<div class="portal-icon bg-warning-subtle text-warning me-2">⏳</div> // HTML/Razor markup element rendered to the page

<div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Pending Claims</div> // HTML/Razor markup element rendered to the page

<div class="fs-2 fw-semibold">@pendingClaims</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<div class="card shadow-sm border-0 stat-card h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center"> // HTML/Razor markup element rendered to the page

<div class="portal-icon bg-info-subtle text-info me-2">💰</div> // HTML/Razor markup element rendered to the page

<div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Revenue This Month</div> // HTML/Razor markup element rendered to the page

<div class="fs-2 fw-semibold">@String.Format(System.Globalization.CultureInfo.GetCultureInfo("en-IN"), "₹{0:N2}", revenueThisMonth)</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

<div class="col-md-3"> // HTML/Razor markup element rendered to the page

<div class="card shadow-sm border-0 stat-card h-100"> // HTML/Razor markup element rendered to the page

<div class="card-body"> // HTML/Razor markup element rendered to the page

<div class="d-flex align-items-center"> // HTML/Razor markup element rendered to the page

<div class="portal-icon bg-danger-subtle text-danger me-2">🎫</div> // HTML/Razor markup element rendered to the page

<div> // HTML/Razor markup element rendered to the page

<div class="text-muted small">Open Tickets</div> // HTML/Razor markup element rendered to the page

<div class="fs-2 fw-semibold">@openTickets</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Shared/\_Layout.cshtml

﻿ <!DOCTYPE html> // Code statement that contributes to the application's behavior

<html lang="en"> // HTML/Razor markup element rendered to the page

<head> // HTML/Razor markup element rendered to the page

<meta charset="utf-8" /> // HTML/Razor markup element rendered to the page

<meta name="viewport" content="width=device-width, initial-scale=1.0" /> // HTML/Razor markup element rendered to the page

<title>@(ViewData["Title"] ?? "Auto Insurance System") - Auto\_Insurance\_System</title> // HTML/Razor markup element rendered to the page

<script type="importmap"></script> // HTML/Razor markup element rendered to the page

<link rel="stylesheet" href="~/lib/bootstrap/dist/css/bootstrap.min.css" /> // HTML/Razor markup element rendered to the page

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.3/font/bootstrap-icons.css" integrity="sha384-9Gz6TgM8LzJY0w7L9a4m0mQh1m7mUQ4pE2Fz9qj6cQq7k6OQF3yXl5C4jD9v9V8e" crossorigin="anonymous"> // HTML/Razor markup element rendered to the page

<link rel="stylesheet" href="~/css/site.css" asp-append-version="true" /> // HTML/Razor markup element rendered to the page

<link rel="stylesheet" href="~/Auto\_Insurance\_System.styles.css" asp-append-version="true" /> // HTML/Razor markup element rendered to the page

</head> // HTML/Razor markup element rendered to the page

<body class="@((ViewBag.BodyClass as string) ?? "")"> // HTML/Razor markup element rendered to the page

<header class="shadow-sm"> // HTML/Razor markup element rendered to the page

<nav class="navbar navbar-expand-lg navbar-dark bg-app-primary"> // HTML/Razor markup element rendered to the page

<div class="container-fluid"> // HTML/Razor markup element rendered to the page

@{ // Begins a Razor code block for server-side logic

var role = Context.Session.GetString("UserRole"); // Code statement that contributes to the application's behavior

var userName = Context.Session.GetString("UserName"); // Code statement that contributes to the application's behavior

var brandTitle = "Auto Insurance System"; // Code statement that contributes to the application's behavior

if (!string.IsNullOrEmpty(role)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

brandTitle = role switch // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

"ADMIN" => "Admin Dashboard · Auto Insurance System", // Code statement that contributes to the application's behavior

"AGENT" => "Agent Dashboard · Auto Insurance System", // Code statement that contributes to the application's behavior

"CUSTOMER" => "Customer Dashboard · Auto Insurance System", // Code statement that contributes to the application's behavior

\_ => "Auto Insurance System" // Code statement that contributes to the application's behavior

}; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

var currentController = ViewContext.RouteData.Values["controller"]?.ToString(); // Code statement that contributes to the application's behavior

var currentAction = ViewContext.RouteData.Values["action"]?.ToString(); // Code statement that contributes to the application's behavior

var isFullWidth = (ViewBag.FullWidth as bool?) ?? false; // Code statement that contributes to the application's behavior

var noTopPadding = (ViewBag.NoTopPadding as bool?) ?? false; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

// Blank line for readability

<a class="navbar-brand fw-semibold d-flex align-items-center" asp-area="" asp-controller="Home" asp-action="Landing"> // HTML/Razor markup element rendered to the page

<span class="badge rounded-circle bg-light text-app-primary me-2">AI</span> // HTML/Razor markup element rendered to the page

<span>@brandTitle</span> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

// Blank line for readability

<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#mainNavbar" aria-controls="mainNavbar" aria-expanded="false" aria-label="Toggle navigation"> // HTML/Razor markup element rendered to the page

<span class="navbar-toggler-icon"></span> // HTML/Razor markup element rendered to the page

</button> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="collapse navbar-collapse" id="mainNavbar"> // HTML/Razor markup element rendered to the page

<ul class="navbar-nav me-auto mb-2 mb-lg-0"> // HTML/Razor markup element rendered to the page

<li class="nav-item"><a class="nav-link" asp-controller="Home" asp-action="Landing">Home</a></li> // HTML/Razor markup element rendered to the page

<li class="nav-item"><a class="nav-link" asp-controller="Home" asp-action="About">About</a></li> // HTML/Razor markup element rendered to the page

<li class="nav-item"><a class="nav-link" asp-controller="Home" asp-action="Privacy">Privacy</a></li> // HTML/Razor markup element rendered to the page

</ul> // HTML/Razor markup element rendered to the page

// Blank line for readability

<ul class="navbar-nav ms-auto align-items-lg-center"> // HTML/Razor markup element rendered to the page

@if (!string.IsNullOrEmpty(role)) // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<li class="nav-item dropdown"> // HTML/Razor markup element rendered to the page

<a class="nav-link dropdown-toggle d-flex align-items-center" href="#" role="button" data-bs-toggle="dropdown" aria-expanded="false"> // HTML/Razor markup element rendered to the page

<span class="icon-circle bg-light text-dark me-2">👤</span> // HTML/Razor markup element rendered to the page

<span class="text-capitalize">@role.ToLower()</span> // HTML/Razor markup element rendered to the page

</a> // HTML/Razor markup element rendered to the page

<ul class="dropdown-menu dropdown-menu-end"> // HTML/Razor markup element rendered to the page

<li class="dropdown-item-text"><small class="text-muted">Signed in as</small><div class="fw-semibold">@userName</div></li> // HTML/Razor markup element rendered to the page

<li><hr class="dropdown-divider" /></li> // HTML/Razor markup element rendered to the page

<li><a class="dropdown-item" asp-controller="Auth" asp-action="Logout">Logout</a></li> // HTML/Razor markup element rendered to the page

</ul> // HTML/Razor markup element rendered to the page

</li> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

else // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<li class="nav-item"> // HTML/Razor markup element rendered to the page

<a class="btn btn-outline-light btn-sm" asp-controller="Auth" asp-action="Login">Login</a> // HTML/Razor markup element rendered to the page

</li> // HTML/Razor markup element rendered to the page

} // Code statement that contributes to the application's behavior

</ul> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</nav> // HTML/Razor markup element rendered to the page

// Blank line for readability

@\* @if (Context.Session.GetString("UserRole") == "ADMIN") // Code statement that contributes to the application's behavior

{ // Code statement that contributes to the application's behavior

<div class="bg-light-subtle border-bottom"> // HTML/Razor markup element rendered to the page

<div class="container py-2"> // HTML/Razor markup element rendered to the page

<ul class="nav gap-3 align-items-center"> // HTML/Razor markup element rendered to the page

<li class="nav-item"> // HTML/Razor markup element rendered to the page

<a class="nav-link d-flex align-items-center" asp-controller="Admin" asp-action="UsersHub"> // HTML/Razor markup element rendered to the page

<i class="bi bi-people me-1"></i> Users // Code statement that contributes to the application's behavior

</a> // HTML/Razor markup element rendered to the page

</li> // HTML/Razor markup element rendered to the page

<li class="nav-item"> // HTML/Razor markup element rendered to the page

<a class="nav-link d-flex align-items-center" asp-controller="Admin" asp-action="ClaimsHub"> // HTML/Razor markup element rendered to the page

<i class="bi bi-clipboard-check me-1"></i> Claims // Code statement that contributes to the application's behavior

</a> // HTML/Razor markup element rendered to the page

</li> // HTML/Razor markup element rendered to the page

<li class="nav-item"> // HTML/Razor markup element rendered to the page

<a class="nav-link d-flex align-items-center" asp-controller="Admin" asp-action="PoliciesHub"> // HTML/Razor markup element rendered to the page

<i class="bi bi-file-earmark-text me-1"></i> Policies // Code statement that contributes to the application's behavior

</a> // HTML/Razor markup element rendered to the page

</li> // HTML/Razor markup element rendered to the page

<li class="nav-item"> // HTML/Razor markup element rendered to the page

<a class="nav-link d-flex align-items-center" asp-controller="Admin" asp-action="PaymentsHub"> // HTML/Razor markup element rendered to the page

<i class="bi bi-credit-card me-1"></i> Payments // Code statement that contributes to the application's behavior

</a> // HTML/Razor markup element rendered to the page

</li> // HTML/Razor markup element rendered to the page

<li class="nav-item"> // HTML/Razor markup element rendered to the page

<a class="nav-link d-flex align-items-center" asp-controller="Admin" asp-action="TicketsHub"> // HTML/Razor markup element rendered to the page

<i class="bi bi-life-preserver me-1"></i> Tickets // Code statement that contributes to the application's behavior

</a> // HTML/Razor markup element rendered to the page

</li> // HTML/Razor markup element rendered to the page

</ul> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

} \*@ // Code statement that contributes to the application's behavior

</header> // HTML/Razor markup element rendered to the page

// Blank line for readability

<div class="@(isFullWidth ? "container-fluid px-0" : "container") @(noTopPadding ? "py-0" : "py-4")"> // HTML/Razor markup element rendered to the page

<main id="mainContent" role="main"> // HTML/Razor markup element rendered to the page

@RenderBody() // Code statement that contributes to the application's behavior

</main> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

// Blank line for readability

<footer class="border-top footer text-muted bg-white-50 footer-compact"> // HTML/Razor markup element rendered to the page

<div class="container-sm d-flex justify-content-between align-items-center py-2"> // HTML/Razor markup element rendered to the page

<span>&copy; @DateTime.UtcNow.Year - Auto Insurance System</span> // HTML/Razor markup element rendered to the page

<a asp-area="" asp-controller="Home" asp-action="Privacy" class="text-decoration-none">Privacy</a> // HTML/Razor markup element rendered to the page

</div> // HTML/Razor markup element rendered to the page

</footer> // HTML/Razor markup element rendered to the page

<script src="~/lib/jquery/dist/jquery.min.js"></script> // HTML/Razor markup element rendered to the page

<script src="~/lib/bootstrap/dist/js/bootstrap.bundle.min.js"></script> // HTML/Razor markup element rendered to the page

<script src="~/js/site.js" asp-append-version="true"></script> // HTML/Razor markup element rendered to the page

@await RenderSectionAsync("Scripts", required: false) // Code statement that contributes to the application's behavior

</body> // HTML/Razor markup element rendered to the page

</html> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/Shared/\_ValidationScriptsPartial.cshtml

﻿<script src="~/lib/jquery-validation/dist/jquery.validate.min.js"></script> // Code statement that contributes to the application's behavior

<script src="~/lib/jquery-validation-unobtrusive/dist/jquery.validate.unobtrusive.min.js"></script> // HTML/Razor markup element rendered to the page

## File: Auto\_Insurance\_System/Views/\_ViewImports.cshtml

﻿@using Auto\_Insurance\_System // Code statement that contributes to the application's behavior

@using Auto\_Insurance\_System.Models // Imports namespace in the view: Auto\_Insurance\_System.Models

@addTagHelper \*, Microsoft.AspNetCore.Mvc.TagHelpers // Code statement that contributes to the application's behavior

## File: Auto\_Insurance\_System/Views/\_ViewStart.cshtml

﻿@{ // Code statement that contributes to the application's behavior

Layout = "\_Layout"; // Code statement that contributes to the application's behavior

} // Code statement that contributes to the application's behavior

# Application Working Flow Summary

This solution contains an ASP.NET Core MVC web app (Auto\_Insurance\_System) and a Web API (AutoInsuranceSystemAPI). The overall flow follows the standard MVC and API patterns. Below is a step-by-step overview.

1. A user navigates to a URL or triggers an HTTP request.

2. Routing maps the request to a controller and action method based on route templates and HTTP verbs.

3. The controller coordinates work: it validates input, calls services for business logic, and interacts with the database via EF Core DbContext (e.g., AutoInsuranceDbContext, AutoInsuranceApiDbContext).

4. Services encapsulate business rules and data operations; they use DbContext to query and update entities like Policy, Claim, Payment, SupportTicket, and Users.

5. Models (POCOs) represent the domain data and are tracked by EF Core; view models or DTOs may be used to shape data returned to views or APIs.

6. For MVC, the controller returns a View along with a model. Razor views (.cshtml) render HTML using the model data.

7. For Web API, the controller returns an IActionResult or a typed result (e.g., IEnumerable<Policy>), which is serialized to JSON.

8. Filters (e.g., authorization and exception filters) run before/after actions to enforce security and handle cross-cutting concerns.

9. Finally, the response (HTML or JSON) is sent back to the client.

## How parts connect

- Controllers depend on Services via constructor injection (DI).

- Services depend on the EF Core DbContext to query/update the database.

- Models define the shape of tables and are used by DbContext and passed to Views.

- Views (.cshtml) render the UI by reading properties from the model.

- In the API project, controllers return data as JSON; in the MVC project, controllers return Views.