

**VIJAY M**

**Day -6**

**12/08/2025**

### **Adding Date of Birth in Ticket Booking Application:**

#### **BookTicketController.cs**

```
using Microsoft.AspNetCore.Mvc;
using MiniProject2.Context;
using MiniProject2.Models;

namespace MiniProject2.Controllers
{
    public class BookTicketController : Controller
    {
        public ApplicationDbContext context { get; set; }

        public BookTicketController(ApplicationDbContext context)
        {
            this.context= context;
        }

        public IActionResult Index()
        {
            string gender = TempData["Gender"] as string;
            List<Audience> allAudience;

            if (!string.IsNullOrEmpty(gender))
            {
                allAudience = context.audiences.Where(a => a.Gender == gender).ToList();
            }
            else
            {

```

```

        allAudience = context.audiences.ToList();
    }

    var totalAudience = allAudience.Count();
    var averageAge = Math.Round(allAudience.Average(a => a.Age), 2);

    ViewBag.TotalAudience = totalAudience;
    ViewBag.AverageAge = averageAge;

    return View(allAudience);
}

public IActionResult BookTicket()
{
    return View();
}

public IActionResult Ticket(Audience audience)
{
    if (ModelState.IsValid)
    {
        context.audiences.Add(audience);
        context.SaveChanges();
        return RedirectToAction("Index");
    }
    else
    {
        return RedirectToAction("BookTicket");
    }
}

public IActionResult Delete(string name)
{

```

```

        var audience = context.audiences.FirstOrDefault(a => a.Name == name);

        context.audiences.Remove(audience);

        context.SaveChanges();

        return RedirectToAction("Index");
    }

    public IActionResult FilterByGender(string gender)
    {
        var audiences = context.audiences.Where(a => a.Gender == gender).ToList();

        TempData["Gender"] = gender;

        return RedirectToAction("Index");
    }

    public IActionResult Details(string name)
    {
        var audience=context.audiences.FirstOrDefault(a => a.Name==name);

        return View(audience);
    }
}

```

#### HomeController.cs

```

using System.Diagnostics;

using Microsoft.AspNetCore.Mvc;

using MiniProject2.Models;

namespace MiniProject2.Controllers
{
    public class HomeController : Controller
    {
        private readonly ILogger<HomeController> _logger;

        public HomeController(ILogger<HomeController> logger)

```

```

    {
        _logger = logger;
    }

    public IActionResult Index()
    {
        return View();
    }

    public IActionResult Privacy()
    {
        return View();
    }

    [ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)]
    public IActionResult Error()
    {
        return View(new ErrorViewModel { RequestId = Activity.Current?.Id ?? HttpContext.TraceIdentifier });
    }
}

```

### AppDbContext.cs

```

using Microsoft.EntityFrameworkCore;
using MiniProject2.Models;

namespace MiniProject2.Context
{
    public class AppDbContext:DbContext
    {

```

```
public ApplicationDbContext(DbContextOptions<ApplicationDbContext> options) : base(options) { }
```

```
public DbSet<Audience> audiences { get; set; }
```

```
}
```

```
}
```

## index.cshtml

```
@{
```

```
    ViewData["Title"] = "Home Page";
```

```
}
```

```
@model List<Audience>
```

```
@{
```

```
    var total = ViewBag.TotalAudience;
```

```
    var average = ViewBag.AverageAge;
```

```
}
```

```
<div class="container mt-5">
```

```
    <!-- Heading -->
```

```
    <div class="row">
```

```
        <div class="col text-center">
```

```
            <h1 class="display-5 mb-3">Booking Details</h1>
```

```
        </div>
```

```
    </div>
```

```
    <!-- Booking Summary: Side-by-Side -->
```

```
    <div class="row justify-content-center mb-4">
```

```
        <div class="col-md-6">
```

```
            <div class="d-flex justify-content-around alert alert-info shadow-sm text-center">
```

```
                <div>
```

```
                    <strong>Total Bookings:</strong><br /> @total
```

```

    </div>

    <div>

        <strong>Average Age:</strong><br /> @Math.Round((double)average, 2)

    </div>

</div>

<div class="btn-group" role="group">

    <a class="btn btn-outline-primary" asp-action="FilterByGender"
asp-route-gender="Male">Male</a>

    <a class="btn btn-outline-secondary" asp-action="FilterByGender"
asp-route-gender="Female">Female</a>

</div>

</div>

</div>

<!-- Audience Table -->
<div class="row">

    <div class="col">

        <table class="table table-striped table-hover shadow-sm">

            <thead class="table-dark">

                <tr>

                    <th>Name</th>

                    <th>Gender</th>

                    <th>Age</th>

                    <th>Date of Birth</th>

                    <th>Detail</th>

                    <th>Delete</th>

                </tr>

            </thead>

            <tbody>

                @foreach (var audience in Model)

                {

```

```

        <tr>
            <td>@audience.Name</td>
            <td>@audience.Gender</td>
            <td>@audience.Age</td>
            <td>@audience.DateOfBirth</td>
            <td>
                <a class="btn btn-sm btn-primary" asp-action="Details"
asp-route-name="@audience.Name">Details</a>
            </td>
            <td>
                <a class="btn btn-primary" asp-action="Delete"
asp-route-name="@audience.Name">Delete</a>
            </td>
        </tr>
    }
</tbody>
</table>
</div>
</div>
</div>

```

## details.cshtml

@model Audience

```

<div class="container mt-5">
    <div class="row justify-content-center">
        <div class="col-md-6">
            <div class="card shadow-sm">
                <div class="card-header bg-primary text-white">
                    <h4 class="mb-0">Audience Details</h4>
                </div>
                <div class="card-body">
                    <table class="table table-bordered table-striped mb-0">

```

```

        <tbody>
            <tr>
                <th style="width: 30%;">Name</th>
                <td>@Model.Name</td>
            </tr>
            <tr>
                <th>Gender</th>
                <td>@Model.Gender</td>
            </tr>
            <tr>
                <th>Age</th>
                <td>@Model.Age</td>
            </tr>
            <tr>
                <th>Date Of Birth</th>
                <td>@Model.DateOfBirth</td>
            </tr>
        </tbody>
    </table>
</div>
<div class="card-footer text-end">
    <a asp-action="Index" class="btn btn-secondary">Back to List</a>
</div>
</div>
</div>

```

## index.cshtml

```

@{
    ViewData["Title"] = "Home Page";
}

```



<!-- Bootstrap Carousel -->

<div id="homeCarousel" class="carousel slide" data-bs-ride="carousel">

<div class="carousel-inner">

<div class="carousel-item active">



</div>

<div class="carousel-item">



</div>

<div class="carousel-item">



</div>

</div>

</div>

<!-- Overlay Welcome Section -->

<div class="carousel-caption d-flex flex-column justify-content-center align-items-center h-100 text-center text-white" style="top: 0; bottom: 0;">

<div class="bg-dark bg-opacity-50 p-5 rounded">

<h1 class="display-4 fw-bold text-white">Welcome to Coolie Ticket Booking</h1>

<p class="lead mt-3 mb-4 text-light">

Book your coolie assistance with ease and save time at the station.

</p>

<a class="btn btn-lg btn-success px-4" asp-controller="BookTicket" asp-action="BookTicket">

Book Ticket

</a>

</div>

</div>

## Program.cs

using Microsoft.EntityFrameworkCore;

```
using MiniProject2.Context;

var builder = WebApplication.CreateBuilder(args);

// Add services to the container.
builder.Services.AddControllersWithViews();

const string connectionString = "Data Source=PTPLL605;" +
    "Initial Catalog=sampled;" +
    "Integrated Security=True;" +
    "TrustServerCertificate=True;";

builder.Services.AddDbContext<AppDbContext>(x => x.UseSqlServer(connectionString));

var app = builder.Build();

// Configure the HTTP request pipeline.
if (!app.Environment.IsDevelopment())
{
    app.UseExceptionHandler("/Home/Error");

    // The default HSTS value is 30 days. You may want to change this for production scenarios, see
    // https://aka.ms/aspnetcore-hsts.
    app.UseHsts();
}

app.UseHttpsRedirection();
app.UseStaticFiles();

app.UseRouting();

app.UseAuthorization();
```

```
app.MapControllerRoute(
    name: "default",
    pattern: "{controller=Home}/{action=Index}/{id?}");
```

```
app.Run();
```

## BookTicket.cshtml

@model Audience

```
<div class="container mt-5">
    <div class="row justify-content-center">
        <div class="col-md-6">
            <div class="card shadow-sm">
                <div class="card-header bg-primary text-white">
                    <h4 class="mb-0">Audience Ticket Form</h4>
                </div>
                <div class="card-body">
                    <form asp-action="Ticket" method="post" novalidate>
                        <div class="mb-3">
                            <label asp-for="Name" class="form-label">Name</label>
                            <input asp-for="Name" class="form-control" placeholder="Enter your name" />
                            <span asp-validation-for="Name" class="text-danger small"></span>
                        </div>
                        <div class="mb-3">
                            <label asp-for="Gender" class="form-label">Gender</label>
                            <select asp-for="Gender" class="form-select">
                                <option value="">-- Select Gender --</option>
                                <option value="Male">Male</option>
                                <option value="Female">Female</option>
```

```

        </select>

        <span asp-validation-for="Gender" class="text-danger small"></span>
    </div>

    <div class="mb-3">
        <label asp-for="Age" class="form-label">Age</label>

        <input asp-for="Age" type="number" class="form-control" placeholder="Enter your
age" />

        <span asp-validation-for="Age" class="text-danger small"></span>
    </div>

    <div class="mb-3">
        <label asp-for="DateOfBirth" class="form-label">DateOfBirth</label>

        <input asp-for="DateOfBirth" type="date" class="form-control" placeholder="Enter
your date of birth" />
    </div>

    <button type="submit" class="btn btn-primary w-100">Submit</button>
</form>
</div>
</div>
</div>
</div>
</div>
</div>

```

```

@section Scripts {
    @{
        await Html.RenderPartialAsync("_ValidationScriptsPartial");
    }
}

```

## Audience.cs

```

using Microsoft.EntityFrameworkCore;
using System.ComponentModel.DataAnnotations;

```

```
namespace MiniProject2.Models
{
    public class Audience
    {
        public int Id { get; set; }

        [Required]
        [StringLength(25, MinimumLength = 5, ErrorMessage = "Name must be between 5 and 25 characters.")]
        public string Name { get; set; }

        public string Gender { get; set; }

        [Range(6, 90, ErrorMessage = "Age must be greater than 5.")]
        public int Age { get; set; }

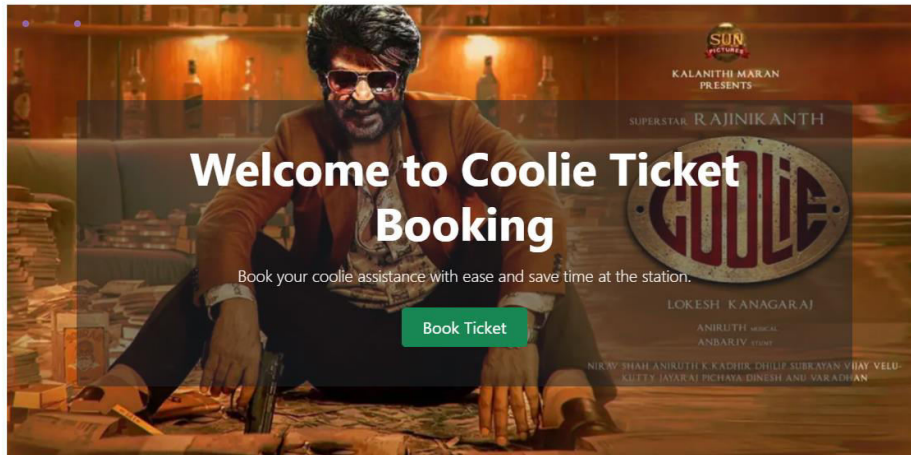
        public DateOnly DateOfBirth { get; set; }
    }
}
```

**Package Manger Console Command for update db:**

Add-Migration

Update-Database

**Output**



## Audience Ticket Form

Name

Gender

-- Select Gender --



Age

DateOfBirth

dd-mm-yyyy



Submit

# Booking Details

Total Bookings:  
4

Average Age:  
23

Male

Female

Name	Gender	Age	Date of Birth	Detail	Delete
ramesh	Male	21	20-03-2004	<a href="#">Details</a>	<a href="#">Delete</a>
sarava	Male	23	22-09-2002	<a href="#">Details</a>	<a href="#">Delete</a>
ramya	Female	23	11-02-2002	<a href="#">Details</a>	<a href="#">Delete</a>
kumar	Male	25	09-07-2000	<a href="#">Details</a>	<a href="#">Delete</a>

## Audience Details

Name	ramesh
Gender	Male
Age	21
Date Of Birth	20-03-2004

Back to List