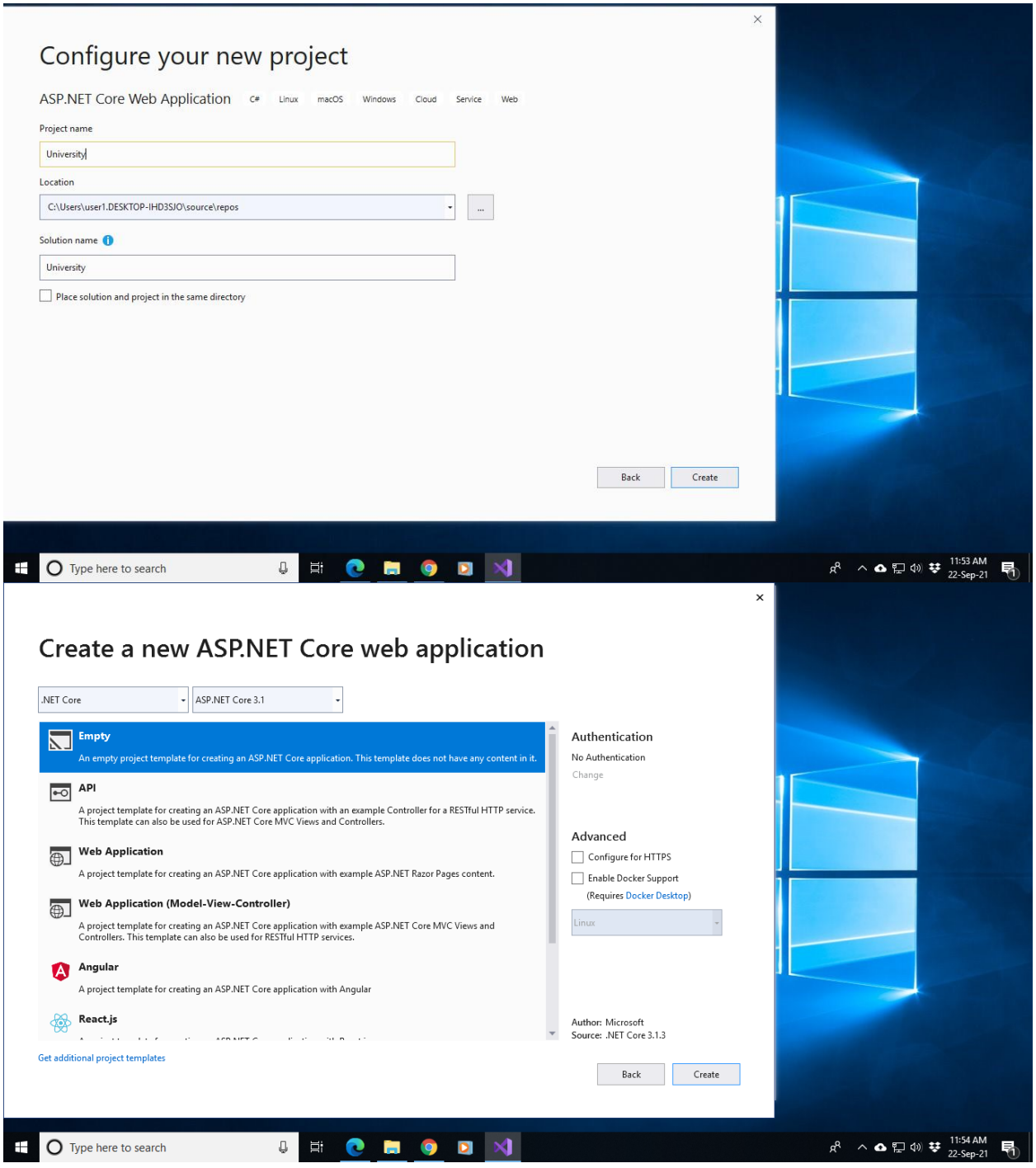
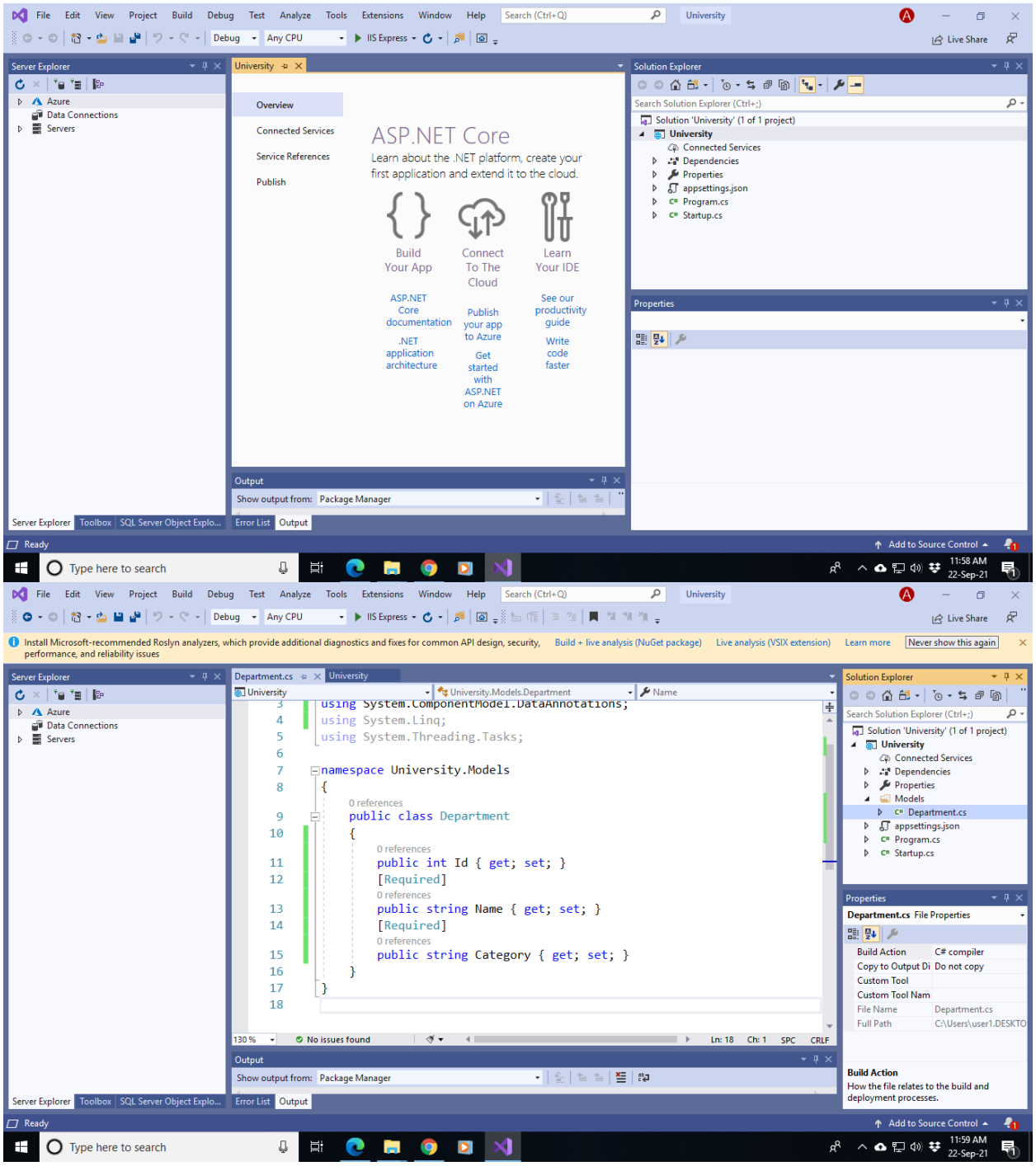

Configure your new project
ASP.NET Core Web Application
C#
Linux
macOS
Windows
Cloud
Service
Web
Project name
University
Location
C:\Users\user1.DESKTOP-IHD3SJO\source\repos
...
Solution name
University
Place solution and project in the same directory
Back
Create
Type here to search
11:53 AM
22-Sep-21
Create a new ASP.NET Core web application
.NET Core
ASP.NET Core 3.1
Empty
An empty project template for creating an ASP.NET Core application. This template does not have any content in it.
API
A project template for creating an ASP.NET Core application with an example Controller for a RESTful HTTP service. This template can also be used for ASP.NET Core MVC Views and Controllers.
Web Application
A project template for creating an ASP.NET Core application with example ASP.NET Razor Pages content.
Web Application (Model-View-Controller)
A project template for creating an ASP.NET Core application with example ASP.NET Core MVC Views and Controllers. This template can also be used for RESTful HTTP services.
Angular
A project template for creating an ASP.NET Core application with Angular
React.js
Authentication
No Authentication
Change
Advanced
Configure for HTTPS
Enable Docker Support
(Requires Docker Desktop)
Linux
Author: Microsoft
Source: .NET Core 3.1.3
Get additional project templates
Back
Create
Type here to search
11:54 AM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
IIS Express
Live Share
Server Explorer
Azure
Data Connections
Servers
University
Overview
Connected Services
Service References
Publish
ASP.NET Core
Learn about the .NET platform, create your first application and extend it to the cloud.
Build Your App
ASP.NET Core documentation
.NET application architecture
Connect To The Cloud
Publish your app to Azure
Get started with ASP.NET on Azure
Learn Your IDE
See our productivity guide
Write code faster
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
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Connected Services
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Properties
Output
Show output from: Package Manager
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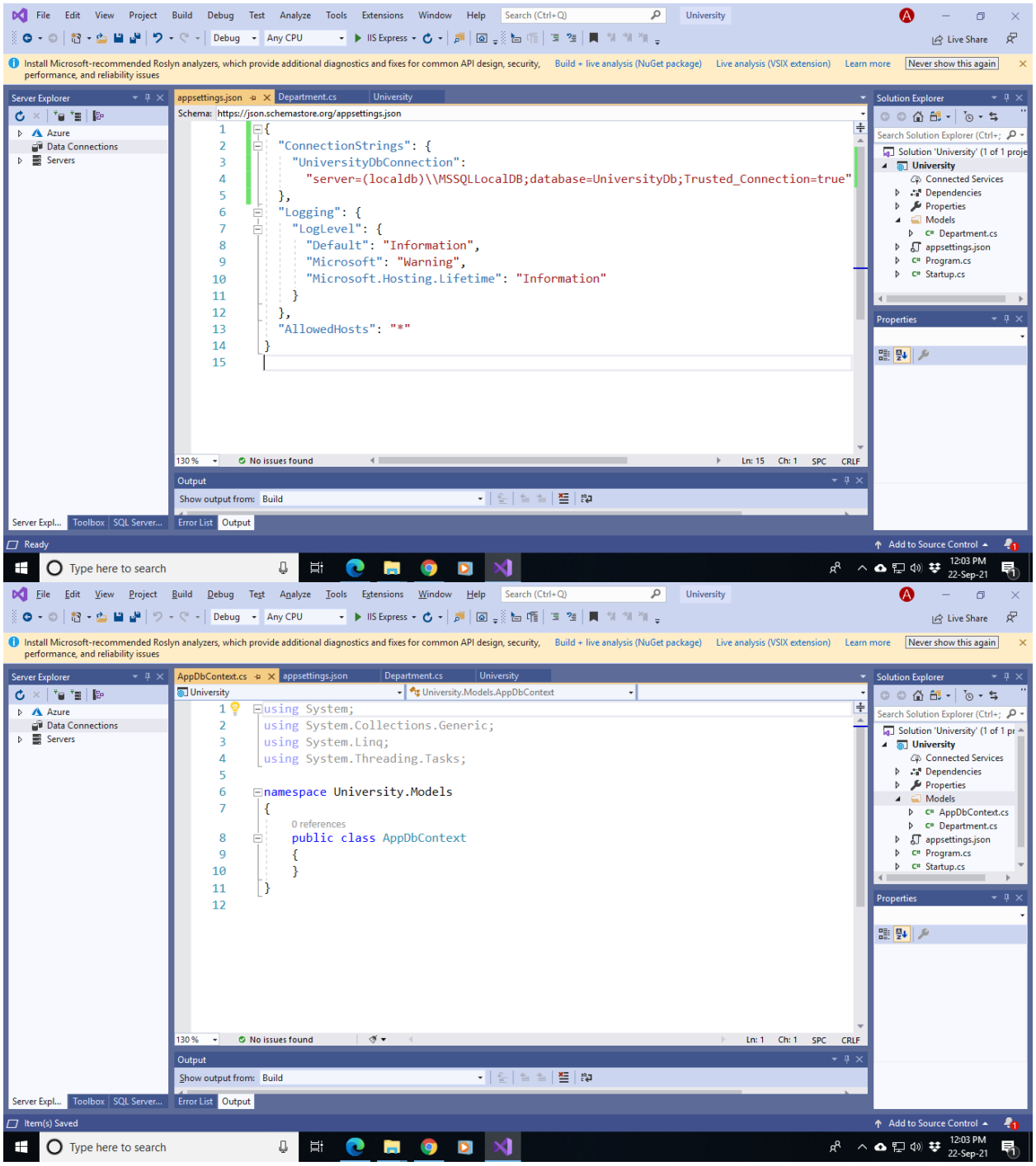
SQL Server Object Explo...
Error List
Output
Ready
Add to Source Control
Type here to search
11:58 AM
22-Sep-21
Install Microsoft-recommended Roslyn analyzers, which provide additional diagnostics and fixes for common API design, security, performance, and reliability issues
Build + live analysis (NuGet package)
Live analysis (VSIX extension)
Learn more
Never show this again
Department.cs
University.Models.Department
Name
using System.ComponentModel.DataAnnotations;
using System.Linq;
using System.Threading.Tasks;
namespace University.Models
{
0 references
public class Department
{
0 references
public int Id { get; set; }
[Required]
0 references
public string Name { get; set; }
[Required]
0 references
public string Category { get; set; }
}
}
130 %
No issues found
Ln: 18
Ch: 1
SPC
CRLF
Department.cs File Properties
Build Action
C# compiler
Copy to Output Di
Do not copy
Custom Tool
Custom Tool Nam
File Name
Department.cs
Full Path
C:\Users\user1.DESKTO
Build Action
How the file relates to the build and deployment processes.
11:59 AM
22-Sep-21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Never show this again
Server Explorer
Azure
Data Connections
Servers
appsettings.json
Department.cs
University
Schema: https://json.schemastore.org/appsettings.json
{
"ConnectionStrings": {
"UniversityDbConnection":
"server=(localdb)\\MSSQLLocalDB;database=UniversityDb;Trusted_Connection=true"
},
"Logging": {
"LogLevel": {
"Default": "Information",
"Microsoft": "Warning",
"Microsoft.Hosting.Lifetime": "Information"
}
},
"AllowedHosts": "*"
}
130 %
No issues found
Ln: 15 Ch: 1 SPC CRLF
Output
Show output from: Build
Error List
Output
Solution Explorer
Search Solution Explorer (Ctrl+;
Solution 'University' (1 of 1 proje
University
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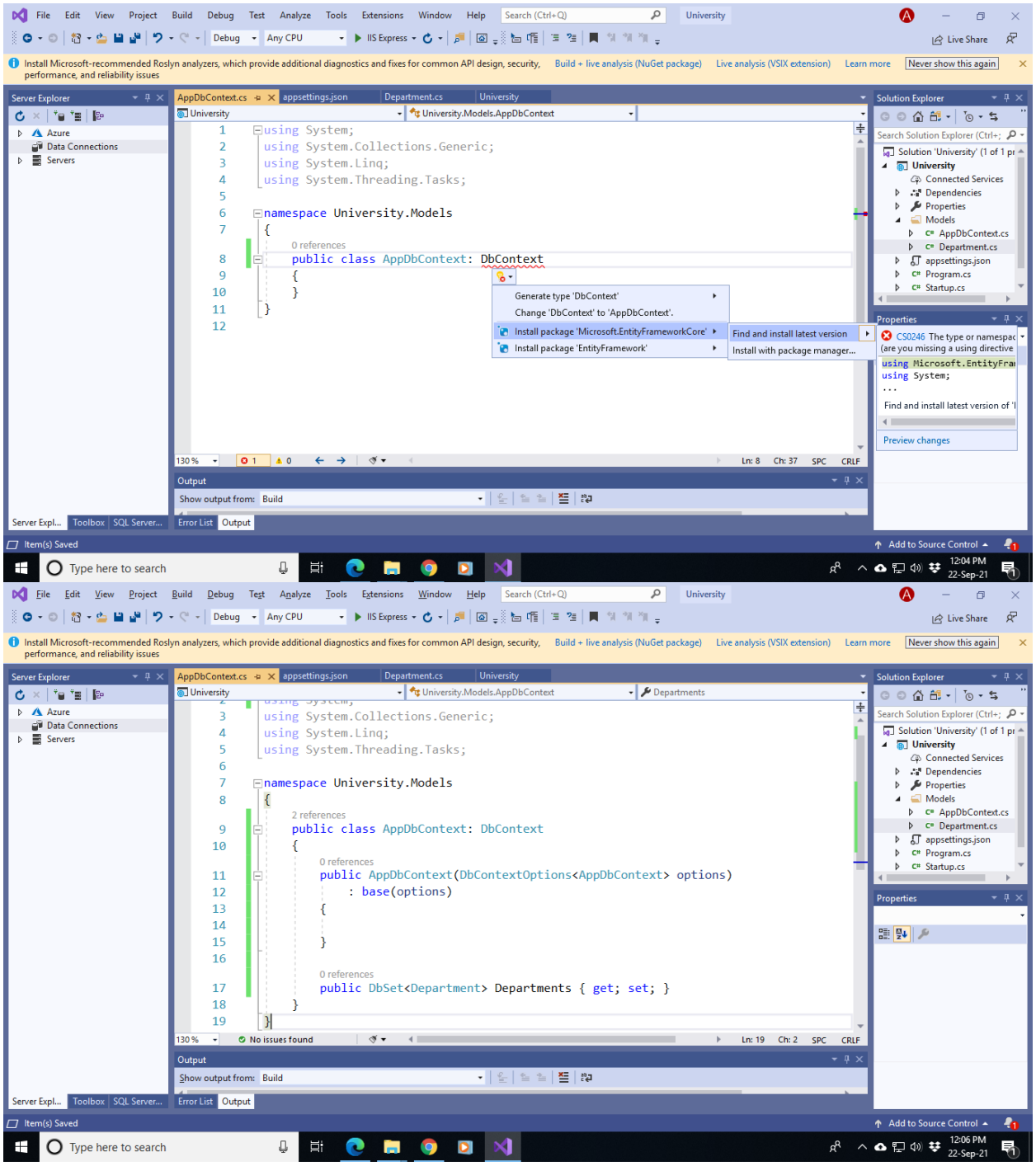
Program.cs
Startup.cs
Properties
Server Expl...
Toolbox
SQL Server...
Ready
Add to Source Control
Type here to search
12:03 PM
22-Sep-21
AppDbContext.cs
University.Models.AppDbContext
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
namespace University.Models
{
0 references
public class AppDbContext
{
}
}
Solution 'University' (1 of 1 pr
AppDbContext.cs
Item(s) Saved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AppDbContext.cs
appsettings.json
Department.cs
University
University.Models.AppDbContext
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
namespace University.Models
{
0 references
public class AppDbContext: DbContext
{
}
}
Generate type 'DbContext'
Change 'DbContext' to 'AppDbContext'.
Install package 'Microsoft.EntityFrameworkCore'
Install package 'EntityFramework'
Find and install latest version
Install with package manager...
Solution Explorer
Solution 'University' (1 of 1 pr
University
Connected Services
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AppDbContext.cs
Department.cs
appsettings.json
Program.cs
Startup.cs
Properties
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(are you missing a using directive
using Microsoft.EntityFra
using System;
...
Find and install latest version of 'I
Preview changes
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Error List
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appsettings.json
Department.cs
University
University.Models.AppDbContext
Departments
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
namespace University.Models
{
2 references
public class AppDbContext: DbContext
{
0 references
public AppDbContext(DbContextOptions<AppDbContext> options)
: base(options)
{
}
0 references
public DbSet<Department> Departments { get; set; }
}
}
Solution Explorer
Solution 'University' (1 of 1 pr
University
Connected Services
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Properties
Models
AppDbContext.cs
Department.cs
appsettings.json
Program.cs
Startup.cs
Properties
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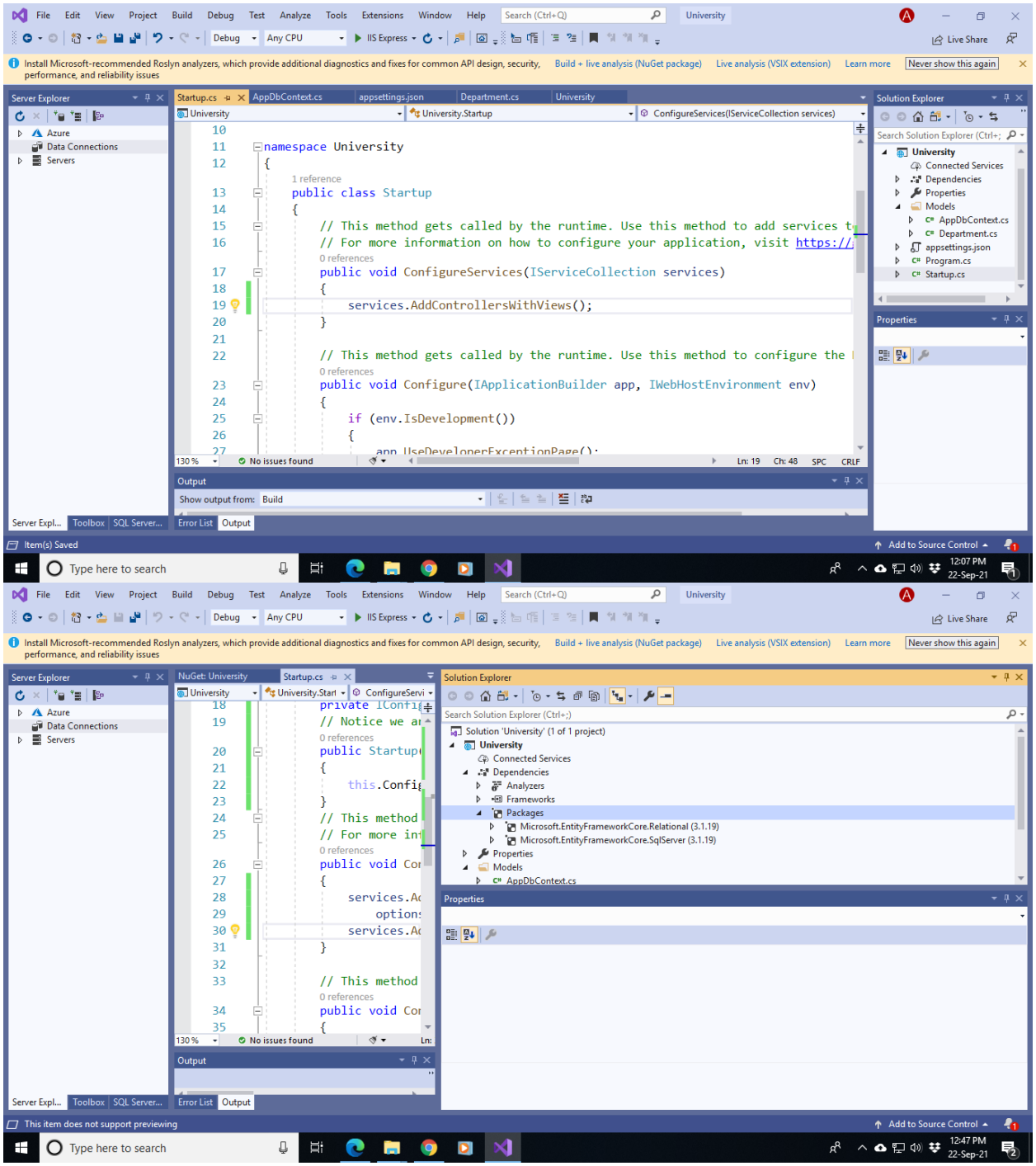
22-Sep-21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Live analysis (VSIX extension)
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Startup.cs
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appsettings.json
Department.cs
University
University.Startup
ConfigureServices(IServiceCollection services)
namespace University
{
1 reference
public class Startup
{
// This method gets called by the runtime. Use this method to add services t
// For more information on how to configure your application, visit https://
0 references
public void ConfigureServices(IServiceCollection services)
{
services.AddControllersWithViews();
}
// This method gets called by the runtime. Use this method to configure the
0 references
public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
{
if (env.IsDevelopment())
{
app.UseDeveloperExceptionPage();
130 %
No issues found
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Show output from:
Build
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Solution Explorer
Search Solution Explorer (Ctrl+;)
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Live Share
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Live analysis (VSIX extension)
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Server Explorer
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NuGet: University
Startup.cs
University
University.Start
ConfigureServi
private IConfi
// Notice we a
0 references
public Startup
{
this.Confi
}
// This method
// For more in
0 references
public void Co
{
services.Ac
option
services.Ac
}
// This method
0 references
public void Co
{
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Error List
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Solution Explorer
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Solution 'University' (1 of 1 project)
University
Connected Services
Dependencies
Analyzers
Frameworks
Packages
Microsoft.EntityFrameworkCore.Relational (3.1.19)
Microsoft.EntityFrameworkCore.SqlServer (3.1.19)
Properties
Models
AppDbContext.cs
Properties
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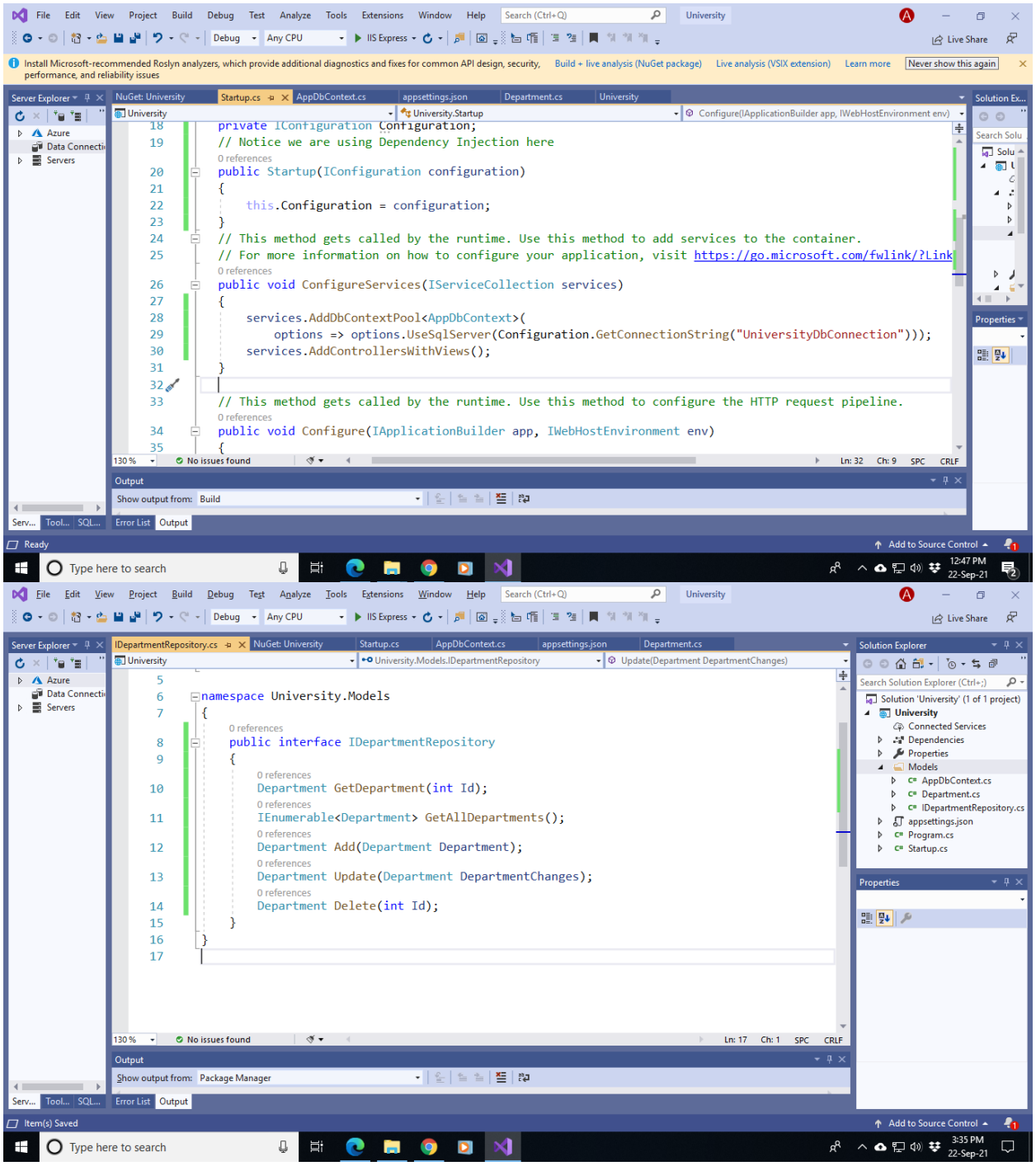
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Install Microsoft-recommended Roslyn analyzers, which provide additional diagnostics and fixes for common API design, security, performance, and reliability issues
Build + live analysis (NuGet package)
Live analysis (VSIX extension)
Learn more
Never show this again
Server Explorer
NuGet: University
Startup.cs
AppDbContext.cs
appsettings.json
Department.cs
University
University.Startup
Configure(IApplicationBuilder app, IWebHostEnvironment env)
Solution Ex...
Properties
18 private IConfiguration Configuration;
19 // Notice we are using Dependency Injection here
0 references
20 public Startup(IConfiguration configuration)
21 {
22 this.Configuration = configuration;
23 }
24 // This method gets called by the runtime. Use this method to add services to the container.
25 // For more information on how to configure your application, visit https://go.microsoft.com/fwlink/?Link
0 references
26 public void ConfigureServices(IServiceCollection services)
27 {
28 services.AddDbContextPool<AppDbContext>(
29 options => options.UseSqlServer(Configuration.GetConnectionString("UniversityDbConnection")));
30 services.AddControllersWithViews();
31 }
32
33 // This method gets called by the runtime. Use this method to configure the HTTP request pipeline.
0 references
34 public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
35 {
130 %
No issues found
Ln: 32 Ch: 9 SPC CRLF
Output
Show output from: Build
Error List
Output
Ready
Add to Source Control
Type here to search
12:47 PM
22-Sep-21
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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University
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Server Explorer
IDepartmentRepository.cs
NuGet: University
Startup.cs
AppDbContext.cs
appsettings.json
Department.cs
University.Models.IDepartmentRepository
Update(Department DepartmentChanges)
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
University
Connected Services
Dependencies
Properties
Models
AppDbContext.cs
Department.cs
IDepartmentRepository.cs
appsettings.json
Program.cs
Startup.cs
Properties
5
6 namespace University.Models
7 {
0 references
8 public interface IDepartmentRepository
9 {
0 references
10 Department GetDepartment(int Id);
0 references
11 IEnumerable<Department> GetAllDepartments();
0 references
12 Department Add(Department Department);
0 references
13 Department Update(Department DepartmentChanges);
0 references
14 Department Delete(int Id);
15 }
16 }
17
130 %
No issues found
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Output
Show output from: Package Manager
Error List
Output
Item(s) Saved
Add to Source Control
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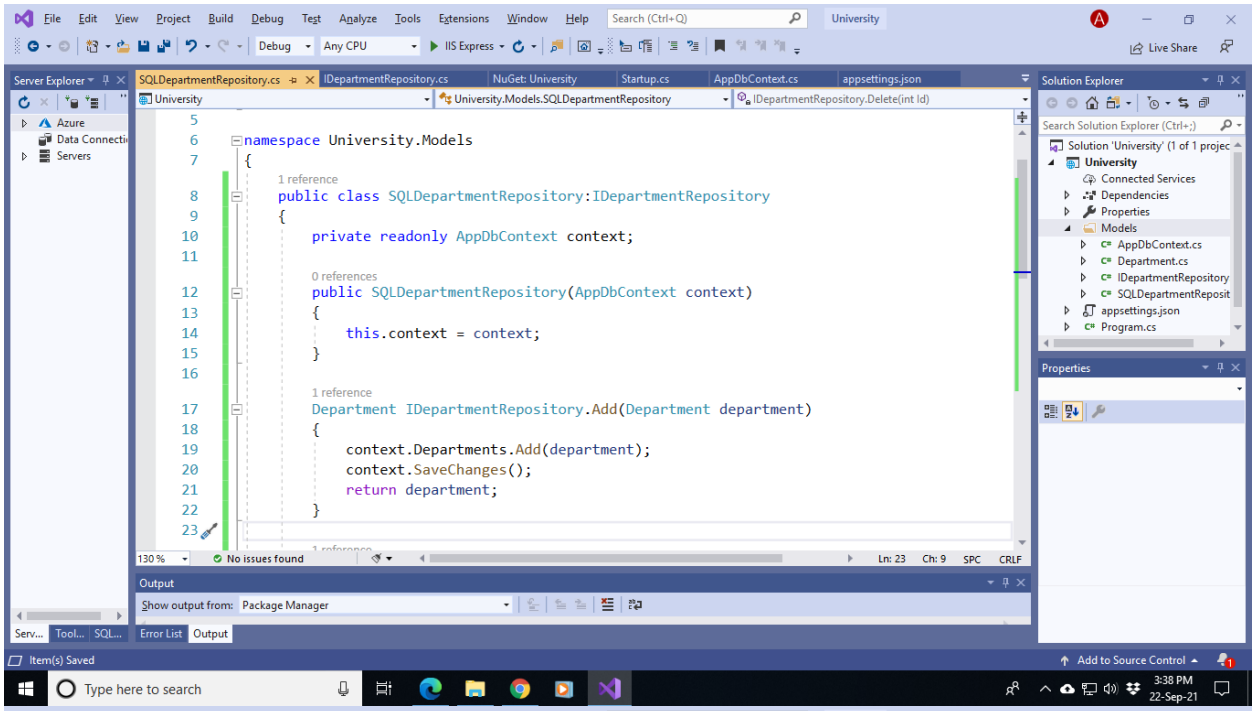
3:35 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
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SQLDepartmentRepository.cs
IDepartmentRepository.cs
NuGet: University
Startup.cs
AppDbContext.cs
appsettings.json
University
University.Models.SQLDepartmentRepository
IDepartmentRepository.Delete(int Id)
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 projec
University
Connected Services
Dependencies
Properties
Models
AppDbContext.cs
Department.cs
IDepartmentRepository
SQLDepartmentReposit
appsettings.json
Program.cs
Properties
namespace University.Models
{
1 reference
public class SQLDepartmentRepository:IDepartmentRepository
{
private readonly AppDbContext context;
0 references
public SQLDepartmentRepository(AppDbContext context)
{
this.context = context;
}
1 reference
Department IDepartmentRepository.Add(Department department)
{
context.Departments.Add(department);
context.SaveChanges();
return department;
}
130 %
No issues found
Ln: 23
Ch: 9
SPC
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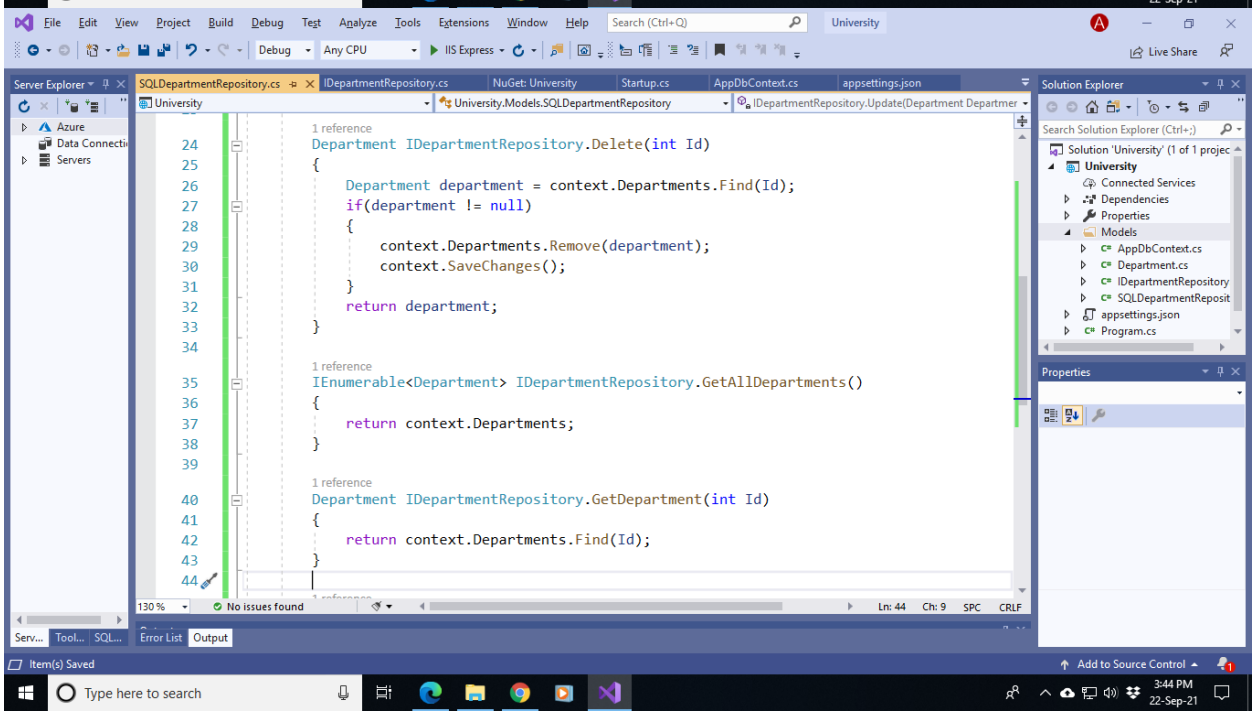
Output
Show output from:
Package Manager
Error List
Output
Item(s) Saved
Add to Source Control
Type here to search
3:38 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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SQLDepartmentRepository.cs
IDepartmentRepository.cs
NuGet: University
Startup.cs
AppDbContext.cs
appsettings.json
University
University.Models.SQLDepartmentRepository
IDepartmentRepository.Update(Department Departmer
Solution Explorer
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Solution 'University' (1 of 1 projec
University
Connected Services
Dependencies
Properties
Models
AppDbContext.cs
Department.cs
IDepartmentRepository
SQLDepartmentReposit
appsettings.json
Program.cs
Properties
1 reference
Department IDepartmentRepository.Delete(int Id)
{
Department department = context.Departments.Find(Id);
if(department != null)
{
context.Departments.Remove(department);
context.SaveChanges();
}
return department;
}
1 reference
IEnumerable<Department> IDepartmentRepository.GetAllDepartments()
{
return context.Departments;
}
1 reference
Department IDepartmentRepository.GetDepartment(int Id)
{
return context.Departments.Find(Id);
}
130 %
No issues found
Ln: 44
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Error List
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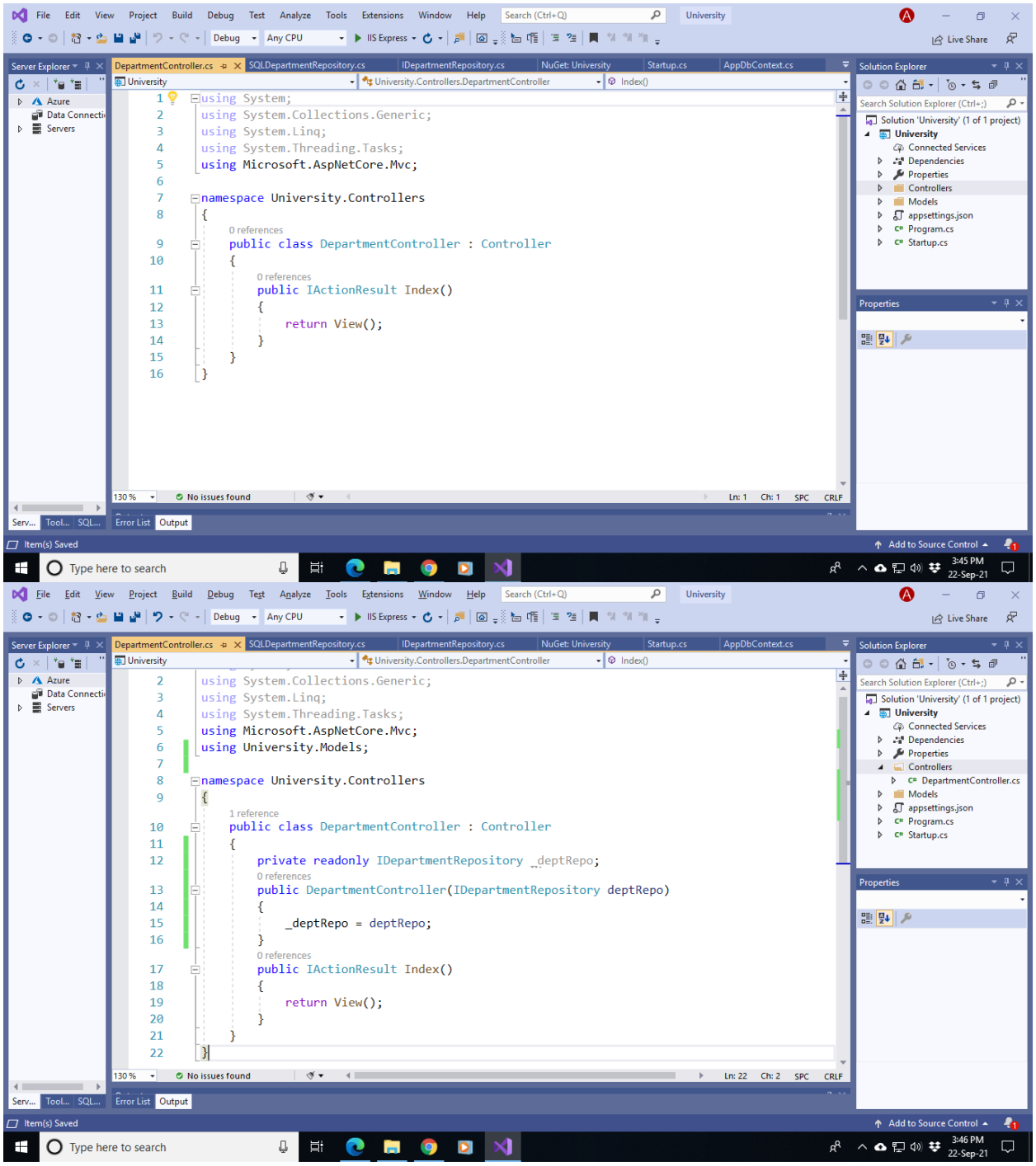
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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University
Debug
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Server Explorer
DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
NuGet: University
Startup.cs
AppDbContext.cs
University
University.Controllers.DepartmentController
Index()
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
namespace University.Controllers
{
0 references
public class DepartmentController : Controller
{
0 references
public IActionResult Index()
{
return View();
}
}
}
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
University
Connected Services
Dependencies
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Controllers
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appsettings.json
Program.cs
Startup.cs
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DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
NuGet: University
Startup.cs
AppDbContext.cs
University
University.Controllers.DepartmentController
Index()
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
using University.Models;
namespace University.Controllers
{
1 reference
public class DepartmentController : Controller
{
private readonly IDepartmentRepository _deptRepo;
0 references
public DepartmentController(IDepartmentRepository deptRepo)
{
_deptRepo = deptRepo;
}
0 references
public IActionResult Index()
{
return View();
}
}
}
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
University
Connected Services
Dependencies
Properties
Controllers
DepartmentController.cs
Models
appsettings.json
Program.cs
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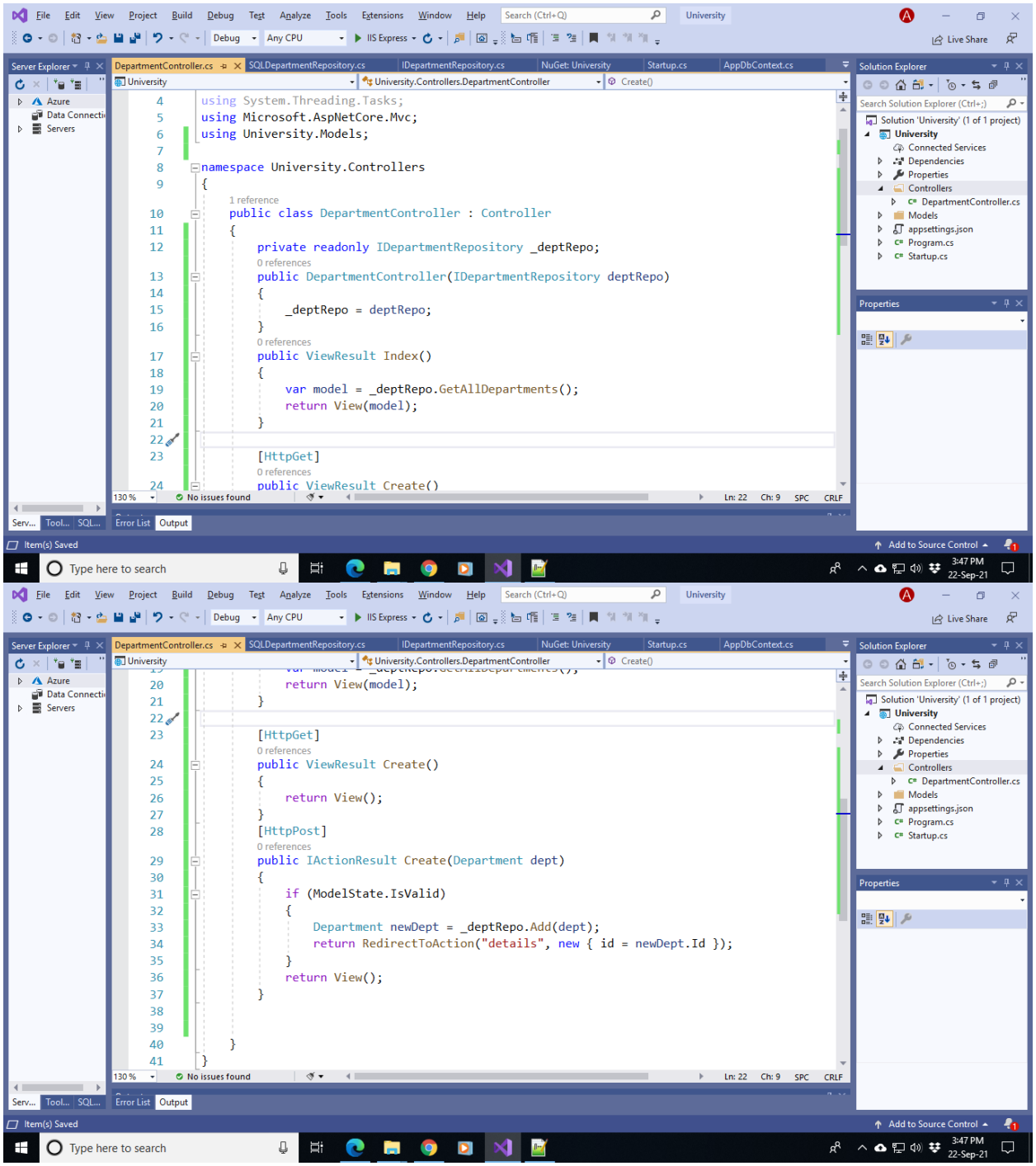
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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Debug
Any CPU
IIS Express
Live Share
Server Explorer
DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
NuGet: University
Startup.cs
AppDbContext.cs
University
University.Controllers.DepartmentController
Create()
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
using University.Models;
namespace University.Controllers
{
1 reference
public class DepartmentController : Controller
{
private readonly IDepartmentRepository _deptRepo;
0 references
public DepartmentController(IDepartmentRepository deptRepo)
{
_deptRepo = deptRepo;
}
0 references
public ViewResult Index()
{
var model = _deptRepo.GetAllDepartments();
return View(model);
}
[HttpGet]
0 references
public ViewResult Create()
130 %
No issues found
Ln: 22
Ch: 9
SPC
CRLF
Error List
Output
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
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appsettings.json
Program.cs
Startup.cs
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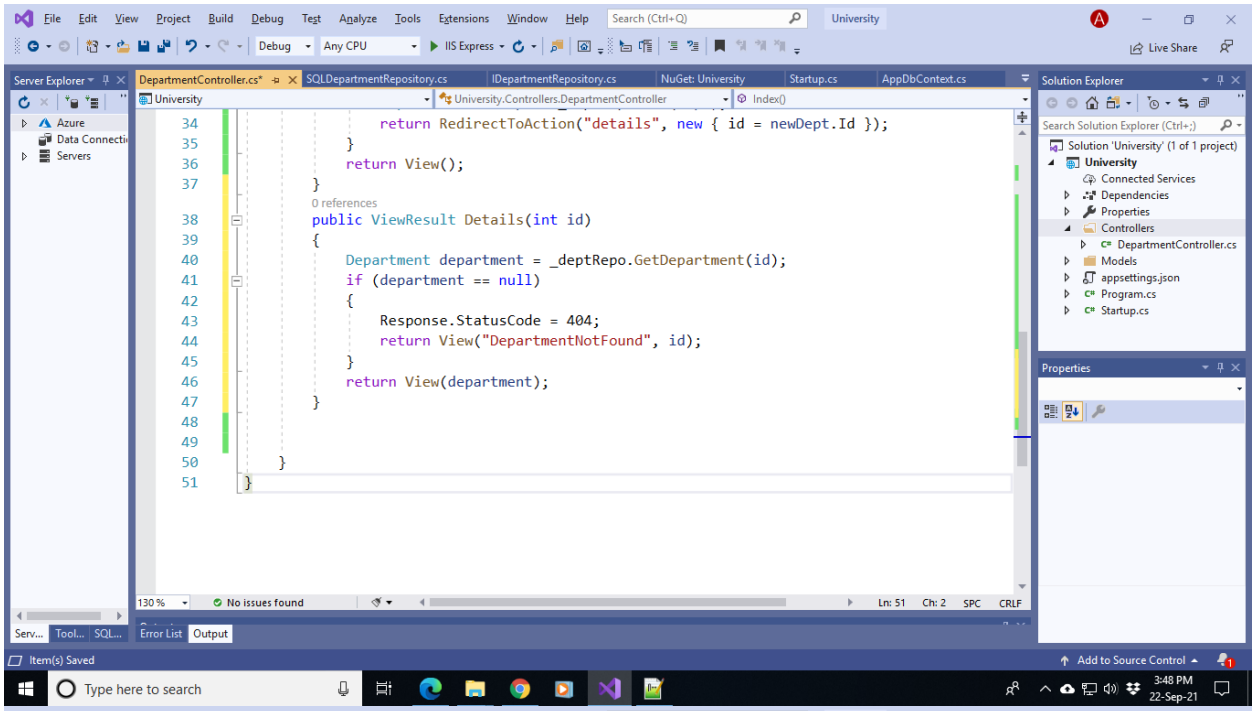
return View(model);
}
[HttpGet]
0 references
public ViewResult Create()
{
return View();
}
[HttpPost]
0 references
public IActionResult Create(Department dept)
{
if (ModelState.IsValid)
{
Department newDept = _deptRepo.Add(dept);
return RedirectToAction("details", new { id = newDept.Id });
}
return View();
}
}
}


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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DepartmentController.cs*
SQLDepartmentRepository.cs
IDepartmentRepository.cs
NuGet: University
Startup.cs
AppDbContext.cs
University
University.Controllers.DepartmentController
Index()
return RedirectToAction("details", new { id = newDept.Id });
}
return View();
}
0 references
public ViewResult Details(int id)
{
Department department = _deptRepo.GetDepartment(id);
if (department == null)
{
Response.StatusCode = 404;
return View("DepartmentNotFound", id);
}
return View(department);
}
}
}
130 %
No issues found
Ln: 51
Ch: 2
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Error List
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Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
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3:48 PM
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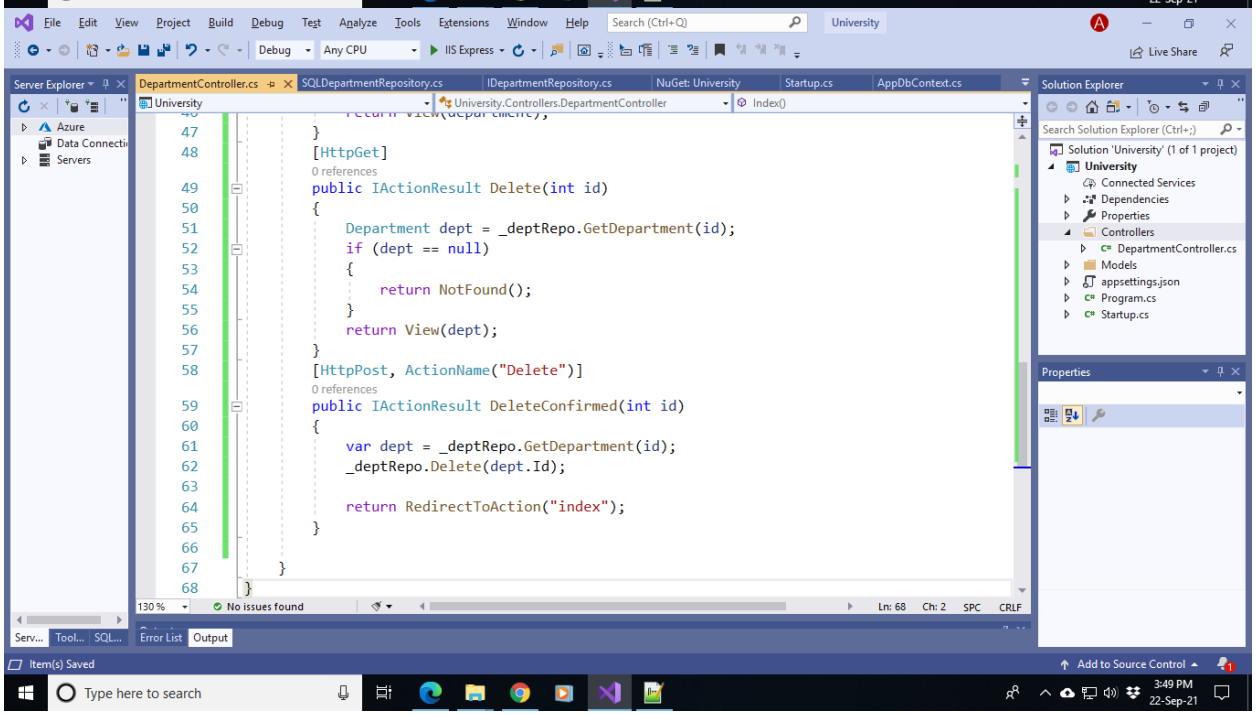
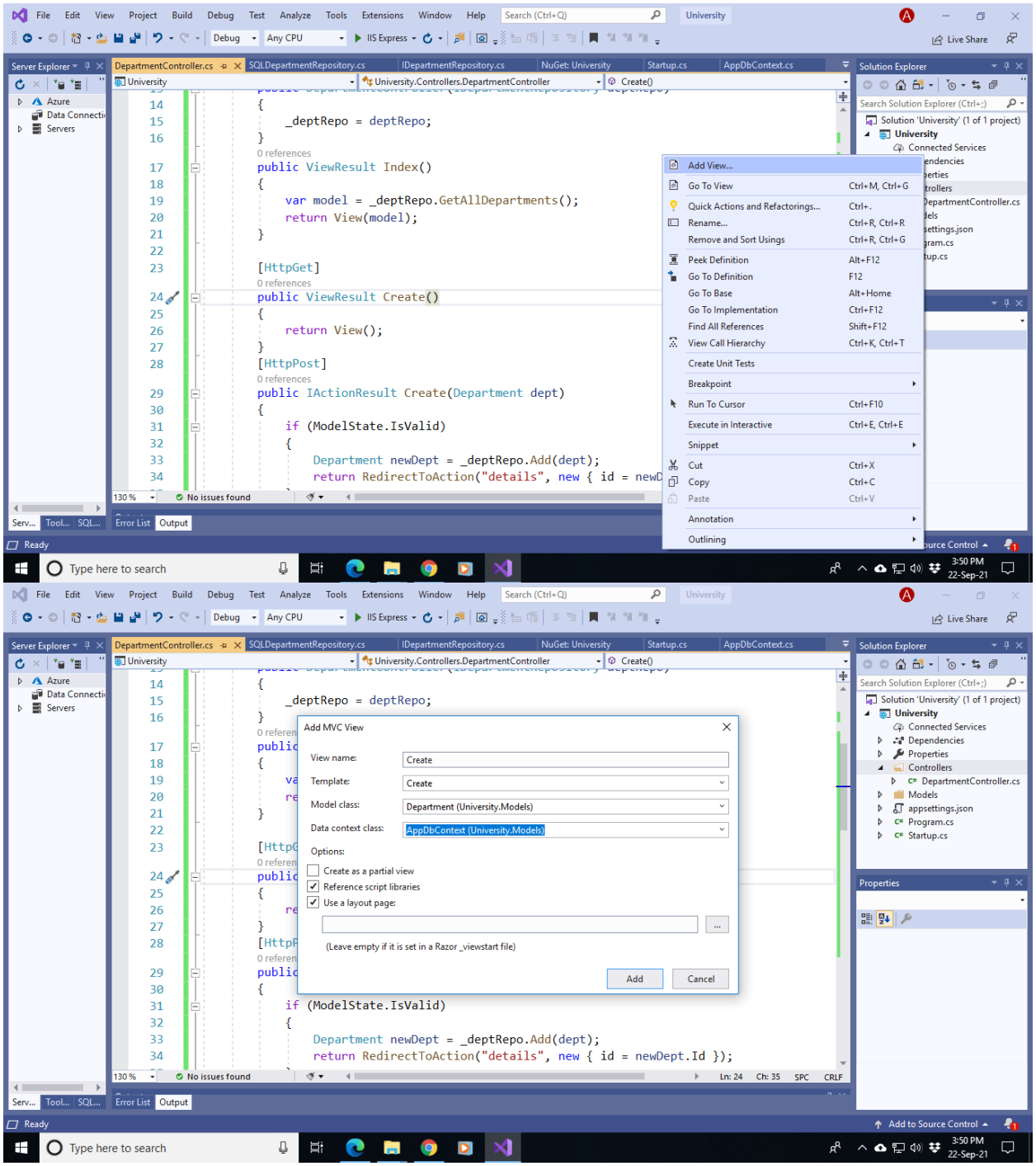

File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
IIS Express
Live Share
Server Explorer
DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
NuGet: University
Startup.cs
AppDbContext.cs
University
University.Controllers.DepartmentController
Index()
}
[HttpGet]
0 references
public IActionResult Delete(int id)
{
Department dept = _deptRepo.GetDepartment(id);
if (dept == null)
{
return NotFound();
}
return View(dept);
}
[HttpPost, ActionName("Delete")]
0 references
public IActionResult DeleteConfirmed(int id)
{
var dept = _deptRepo.GetDepartment(id);
_deptRepo.Delete(dept.Id);
return RedirectToAction("index");
}
}
}
130 %
No issues found
Ln: 68
Ch: 2
SPC
CRLF
Error List
Output
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
University
Connected Services
Dependencies
Properties
Controllers
DepartmentController.cs
Models
appsettings.json
Program.cs
Startup.cs
Properties
Item(s) Saved
Add to Source Control
Type here to search
3:49 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
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IIS Express
Live Share
Server Explorer
DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
NuGet: University
Startup.cs
AppDbContext.cs
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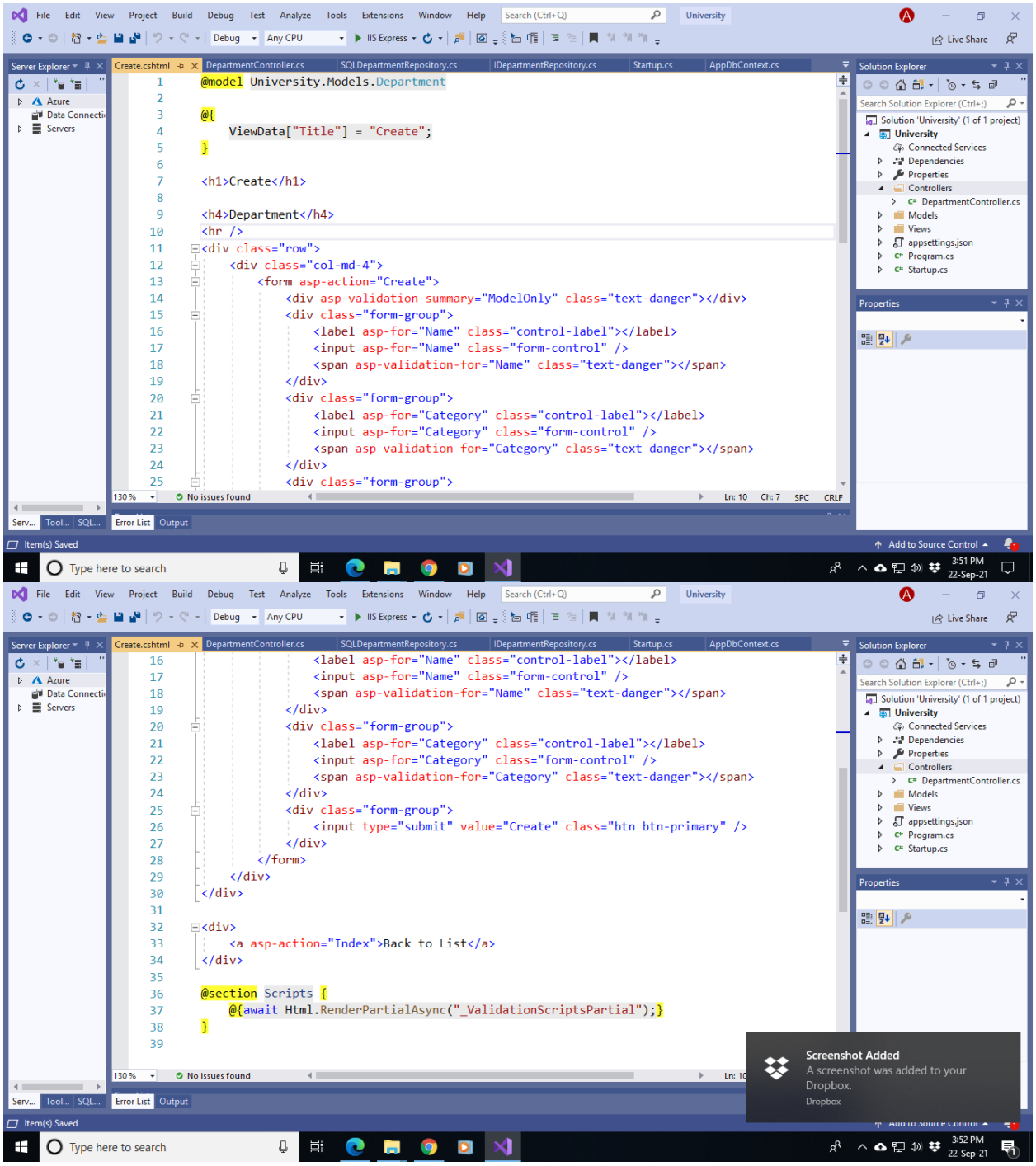
University
University.Controllers.DepartmentController
Create()
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
University
Connected Services
Dependencies
Properties
Controllers
DepartmentController.cs
Models
appsettings.json
Program.cs
Startup.cs
{
_deptRepo = deptRepo;
}
0 references
public ViewResult Index()
{
var model = _deptRepo.GetAllDepartments();
return View(model);
}
[HttpGet]
0 references
public ViewResult Create()
{
return View();
}
[HttpPost]
0 references
public IActionResult Create(Department dept)
{
if (ModelState.IsValid)
{
Department newDept = _deptRepo.Add(dept);
return RedirectToAction("details", new { id = newD
Add View...
Go To View Ctrl+M, Ctrl+G
Quick Actions and Refactorings... Ctrl+.
Rename... Ctrl+R, Ctrl+R
Remove and Sort Usings Ctrl+R, Ctrl+G
Peek Definition Alt+F12
Go To Definition F12
Go To Base Alt+Home
Go To Implementation Ctrl+F12
Find All References Shift+F12
View Call Hierarchy Ctrl+K, Ctrl+T
Create Unit Tests
Breakpoint
Run To Cursor Ctrl+F10
Execute in Interactive Ctrl+E, Ctrl+E
Snippet
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Annotation
Outlining
130 %
No issues found
Error List
Output
Ready
Add to Source Control
Type here to search
3:50 PM
22-Sep-21
Add MVC View
View name: Create
Template: Create
Model class: Department (University.Models)
Data context class: AppDbContext (University.Models)
Options:
Create as a partial view
Reference script libraries
Use a layout page:
(Leave empty if it is set in a Razor _viewstart file)
Add
Cancel
Properties
Ln: 24
Ch: 35
SPC
CRLF


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
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Azure
Data Connecti
Servers
Create.cshtml
DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
Startup.cs
AppDbContext.cs
1 @model University.Models.Department
2
3 @{
4 ViewData["Title"] = "Create";
5 }
6
7 <h1>Create</h1>
8
9 <h4>Department</h4>
10 <hr />
11
12
13 <form asp-action="Create">
14
15
16 <label asp-for="Name" class="control-label"></label>
17 <input asp-for="Name" class="form-control" />
18
19
20
21 <label asp-for="Category" class="control-label"></label>
22 <input asp-for="Category" class="form-control" />
23
24
25
130 %
No issues found
Ln: 10 Ch: 7 SPC CRLF
Error List
Output
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
University
Connected Services
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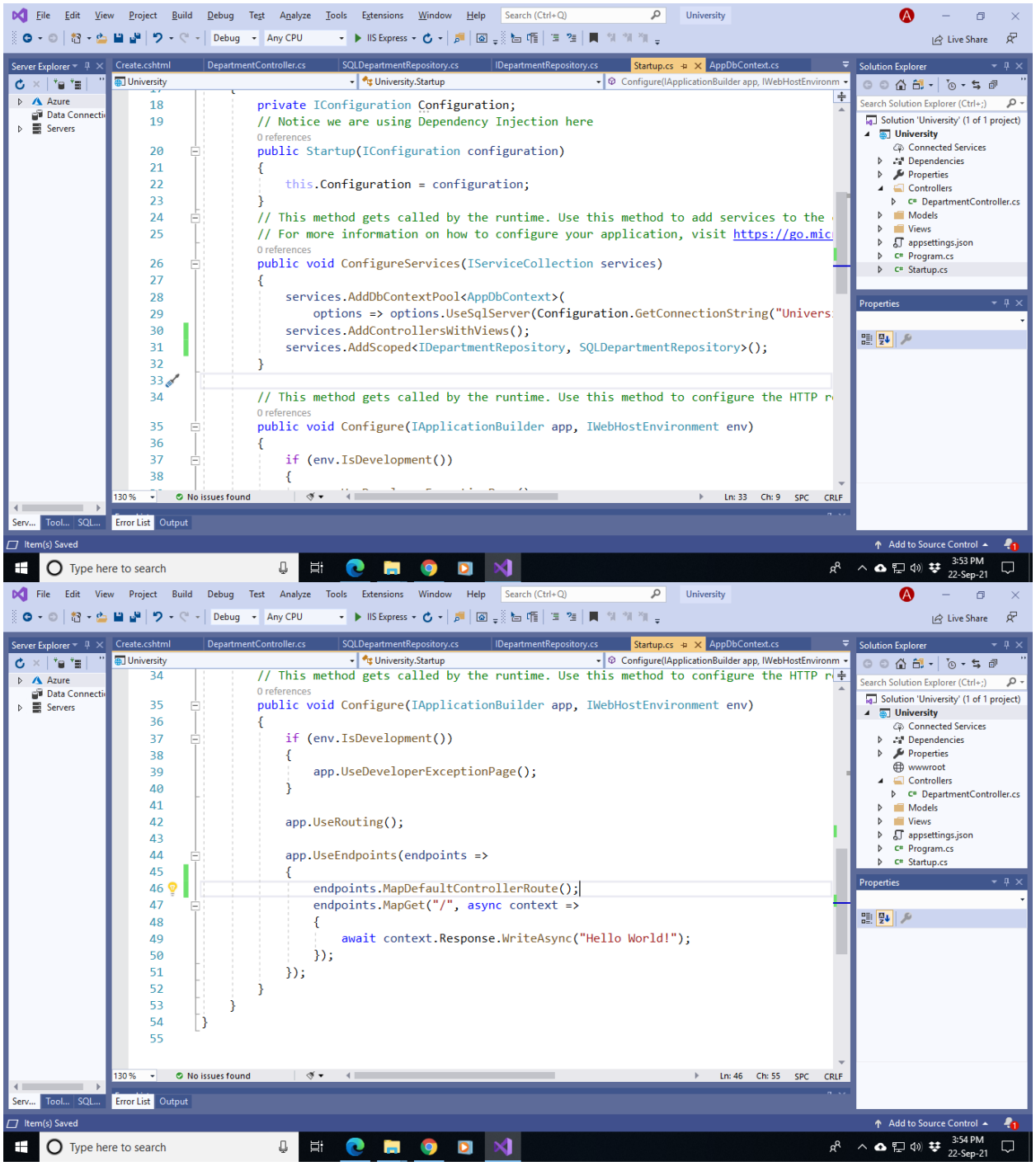
Views
appsettings.json
Program.cs
Startup.cs
Properties
Item(s) Saved
Add to Source Control
Type here to search
3:51 PM
22-Sep-21
16 <label asp-for="Name" class="control-label"></label>
17 <input asp-for="Name" class="form-control" />
18
19
20
21 <label asp-for="Category" class="control-label"></label>
22 <input asp-for="Category" class="form-control" />
23
24
25
26 <input type="submit" value="Create" class="btn btn-primary" />
27
28 </form>
29
30
31
32
33 <a asp-action="Index">Back to List
34
35
36 @section Scripts {
37 @{await Html.RenderPartialAsync("_ValidationScriptsPartial");}
38 }
39
Screenshot Added
A screenshot was added to your Dropbox.
Dropbox
3:52 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
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Servers
Create.cshtml
DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
Startup.cs
AppDbContext.cs
University
University.Startup
Configure(IApplicationBuilder app, IWebHostEnvironm
18 private IConfiguration Configuration;
19 // Notice we are using Dependency Injection here
0 references
20 public Startup(IConfiguration configuration)
21 {
22 this.Configuration = configuration;
23 }
24 // This method gets called by the runtime. Use this method to add services to the
25 // For more information on how to configure your application, visit https://go.mic
0 references
26 public void ConfigureServices(IServiceCollection services)
27 {
28 services.AddDbContextPool<AppDbContext>(
29 options => options.UseSqlServer(Configuration.GetConnectionString("Univers
30 services.AddControllersWithViews();
31 services.AddScoped<IDepartmentRepository, SQLDepartmentRepository>();
32 }
33
34 // This method gets called by the runtime. Use this method to configure the HTTP r
0 references
35 public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
36 {
37 if (env.IsDevelopment())
38 {
130 %
No issues found
Ln: 33 Ch: 9 SPC CRLF
Serv... Tool... SQL...
Error List Output
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
University
Connected Services
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Views
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Program.cs
Startup.cs
Properties
Item(s) Saved
Add to Source Control
Type here to search
3:53 PM
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File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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Debug
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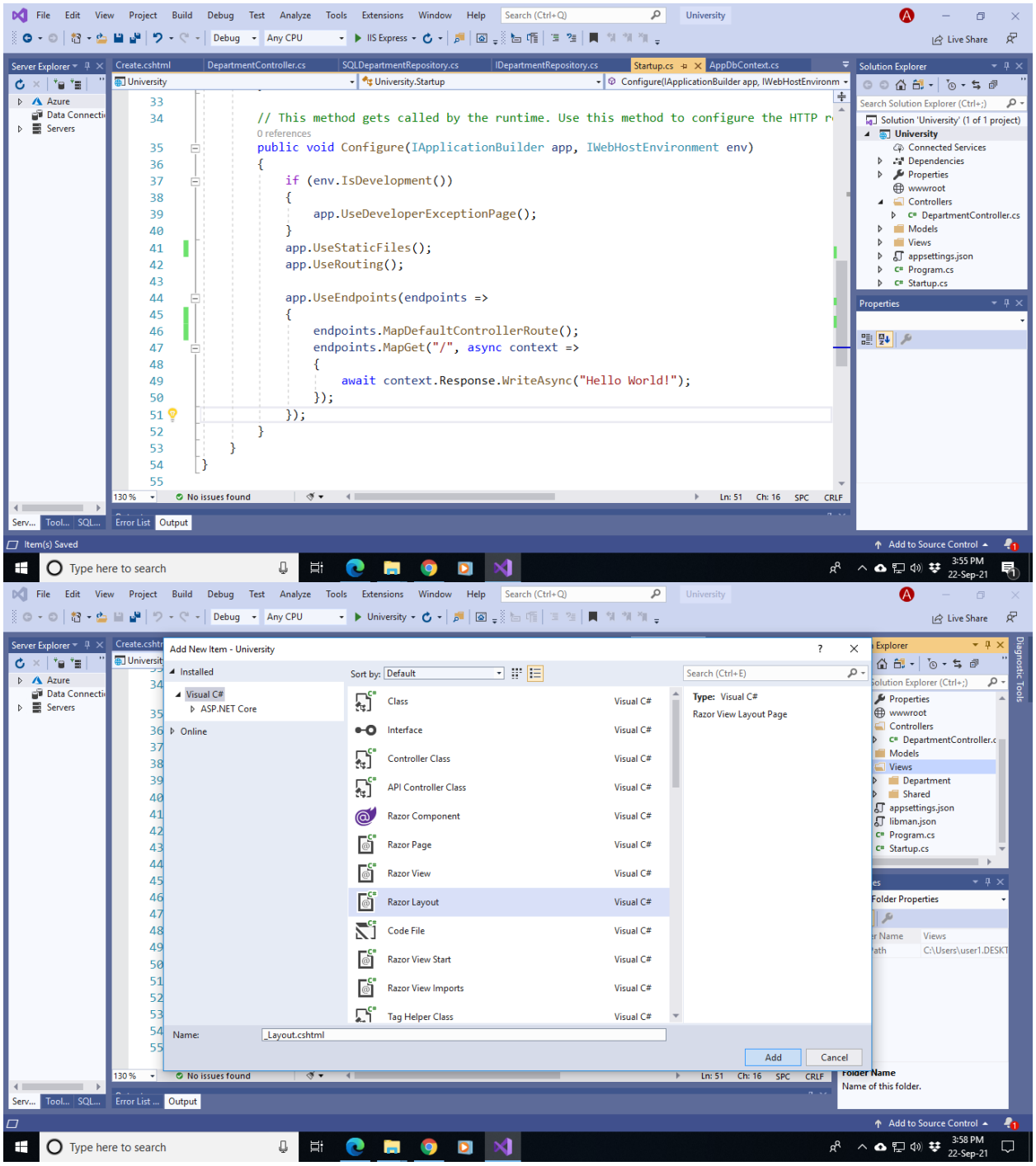
Servers
Create.cshtml
DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
Startup.cs
AppDbContext.cs
University
University.Startup
Configure(IApplicationBuilder app, IWebHostEnvironm
34 // This method gets called by the runtime. Use this method to configure the HTTP r
0 references
35 public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
36 {
37 if (env.IsDevelopment())
38 {
39 app.UseDeveloperExceptionPage();
40 }
41
42 app.UseRouting();
43
44 app.UseEndpoints(endpoints =>
45 {
46 endpoints.MapDefaultControllerRoute();
47 endpoints.MapGet("/", async context =>
48 {
49 await context.Response.WriteAsync("Hello World!");
50 });
51 });
52 }
53 }
54 }
55
130 %
No issues found
Ln: 46 Ch: 55 SPC CRLF
Serv... Tool... SQL...
Error List Output
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
University
Connected Services
Dependencies
Properties
wwwroot
Controllers
DepartmentController.cs
Models
Views
appsettings.json
Program.cs
Startup.cs
Properties
Item(s) Saved
Add to Source Control
Type here to search
3:54 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
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Any CPU
IIS Express
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Servers
Create.cshtml
DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
Startup.cs
AppDbContext.cs
University
University.Startup
Configure(IApplicationBuilder app, IWebHostEnvironm
33
34
// This method gets called by the runtime. Use this method to configure the HTTP r
0 references
35
public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
36
{
37
if (env.IsDevelopment())
38
{
39
app.UseDeveloperExceptionPage();
40
}
41
app.UseStaticFiles();
42
app.UseRouting();
43
44
app.UseEndpoints(endpoints =>
45
{
46
endpoints.MapDefaultControllerRoute();
47
endpoints.MapGet("/", async context =>
48
{
49
await context.Response.WriteAsync("Hello World!");
50
});
51
});
52
}
53
}
54
55
130 %
No issues found
Ln: 51
Ch: 16
SPC
CRLF
Error List
Output
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'University' (1 of 1 project)
University
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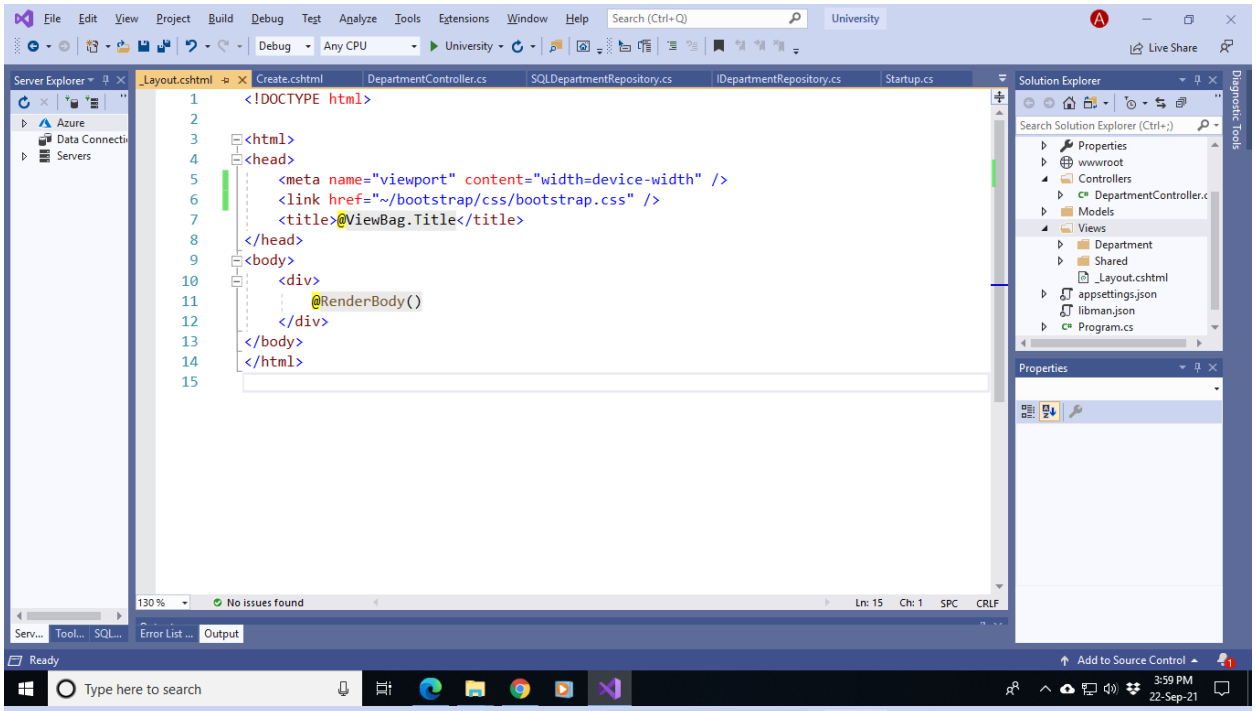
Program.cs
Startup.cs
Properties
Item(s) Saved
Add to Source Control
Type here to search
3:55 PM
22-Sep-21
Add New Item - University
Installed
Visual C#
ASP.NET Core
Online
Sort by:
Default
Search (Ctrl+E)
Class
Interface
Controller Class
API Controller Class
Razor Component
Razor Page
Razor View
Razor Layout
Code File
Razor View Start
Razor View Imports
Tag Helper Class
Visual C#
Type: Visual C#
Razor View Layout Page
Name:
_Layout.cshtml
Add
Cancel
Folder Properties
Folder Name
Name of this folder.
3:58 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
University
Live Share
Server Explorer
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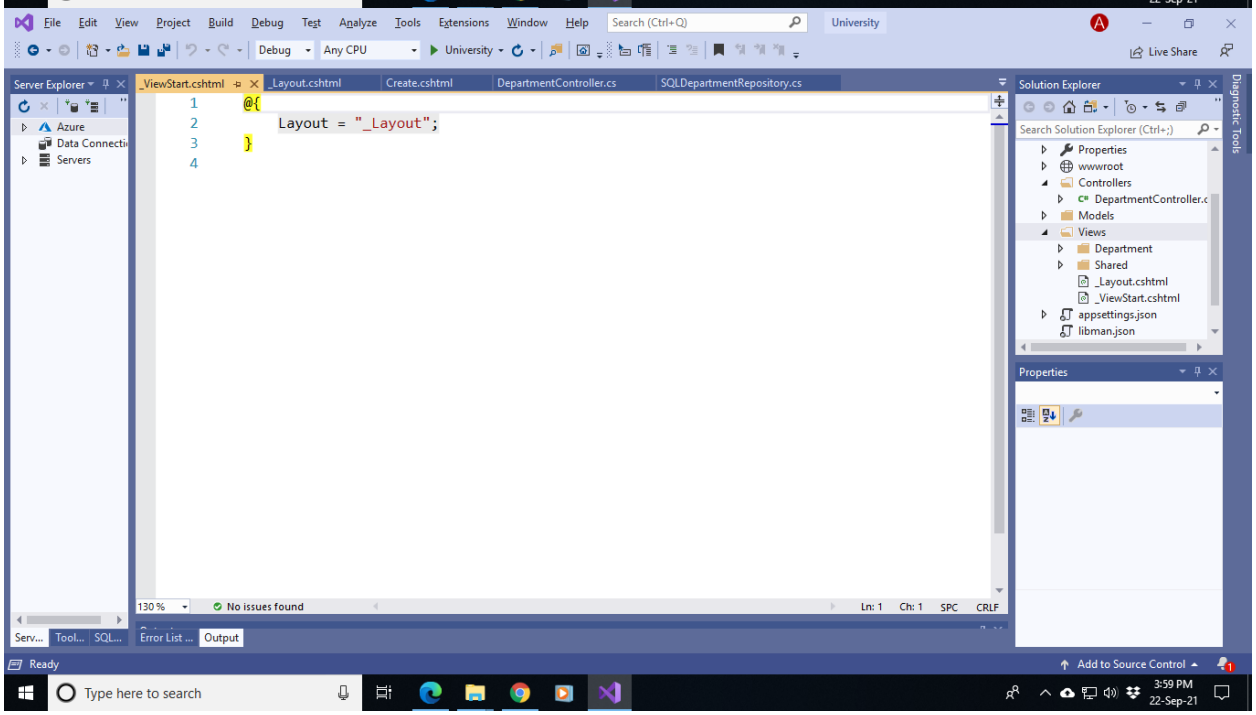
Data Connecti
Servers
_Layout.cshtml
Create.cshtml
DepartmentController.cs
SQLDepartmentRepository.cs
IDepartmentRepository.cs
Startup.cs
1 <!DOCTYPE html>
2
3 <html>
4 <head>
5 <meta name="viewport" content="width=device-width" />
6 <link href="~/bootstrap/css/bootstrap.css" />
7 <title>@ViewBag.Title</title>
8 </head>
9 <body>
10
11 @RenderBody()
12
13 </body>
14 </html>
15
Solution Explorer
Search Solution Explorer (Ctrl+;)
Properties
wwwroot
Controllers
DepartmentController.c
Models
Views
Department
Shared
_Layout.cshtml
appsettings.json
libman.json
Program.cs
Properties
130 %
No issues found
Ln: 15 Ch: 1 SPC CRLF
Error List ...
Output
Ready
Add to Source Control
Type here to search
3:59 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
University
Live Share
Server Explorer
Azure
Data Connecti
Servers
_ViewStart.cshtml
_Layout.cshtml
Create.cshtml
DepartmentController.cs
SQLDepartmentRepository.cs
1 @{
2 Layout = "_Layout";
3 }
4
Solution Explorer
Search Solution Explorer (Ctrl+;)
Properties
wwwroot
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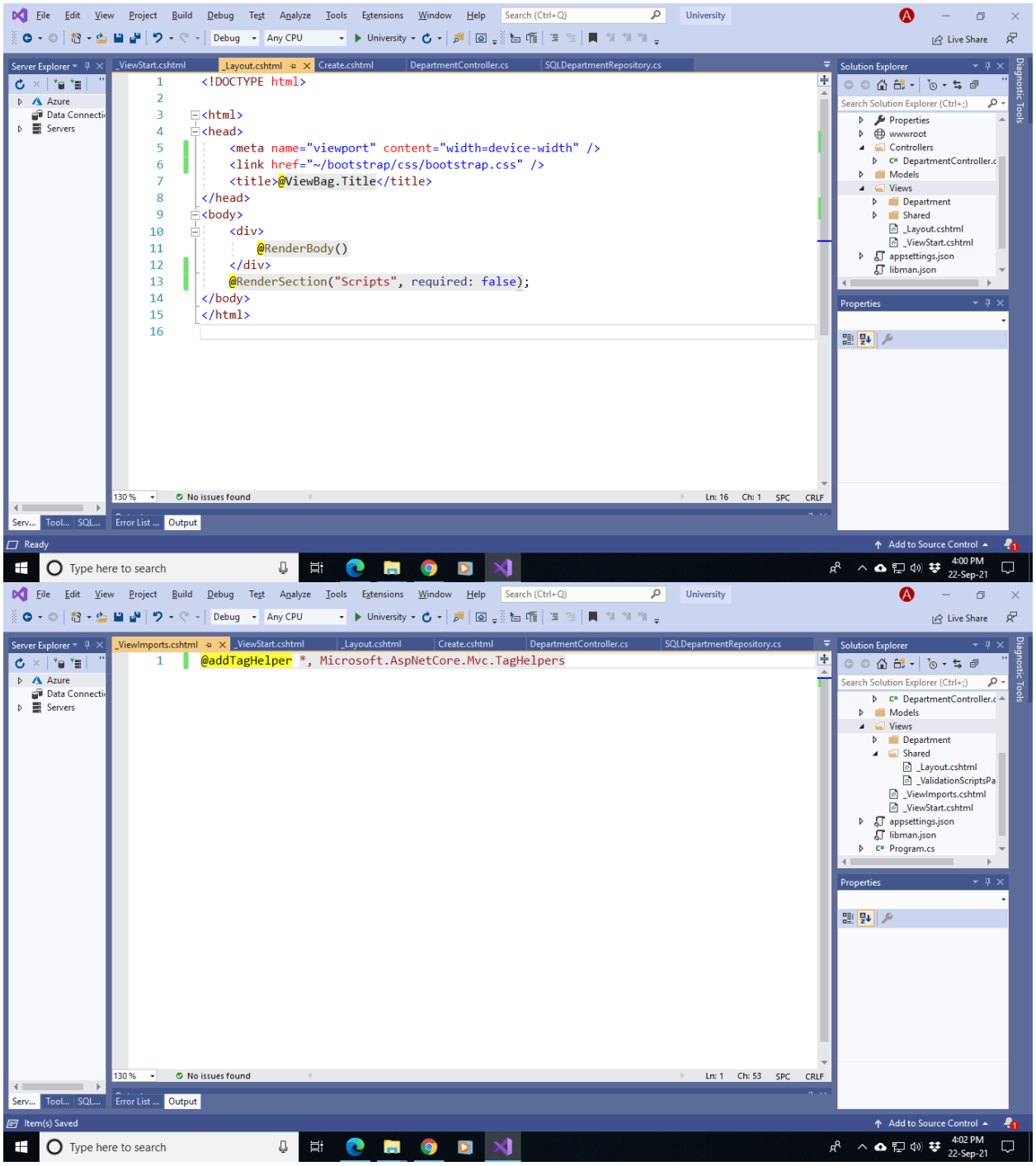
DepartmentController.c
Models
Views
Department
Shared
_Layout.cshtml
_ViewStart.cshtml
appsettings.json
libman.json
Properties
130 %
No issues found
Ln: 1 Ch: 1 SPC CRLF
Error List ...
Output
Ready
Add to Source Control
Type here to search
3:59 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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University
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Any CPU
University
Live Share
Server Explorer
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Data Connecti
Servers
_ViewStart.cshtml
_Layout.cshtml
Create.cshtml
DepartmentController.cs
SQLDepartmentRepository.cs
1 <!DOCTYPE html>
2
3 <html>
4 <head>
5 <meta name="viewport" content="width=device-width" />
6 <link href="~/bootstrap/css/bootstrap.css" />
7 <title>@ViewBag.Title</title>
8 </head>
9 <body>
10
11 @RenderBody()
12
13 @RenderSection("Scripts", required: false);
14 </body>
15 </html>
16
Solution Explorer
Search Solution Explorer (Ctrl+;)
Properties
wwwroot
Controllers
DepartmentController.c
Models
Views
Department
Shared
_Layout.cshtml
_ViewStart.cshtml
appsettings.json
libman.json
Properties
130 %
No issues found
Ln: 16 Ch: 1 SPC CRLF
Serv... Tool... SQL...
Error List ... Output
Ready
Add to Source Control
Type here to search
4:00 PM
22-Sep-21
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
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Any CPU
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Live Share
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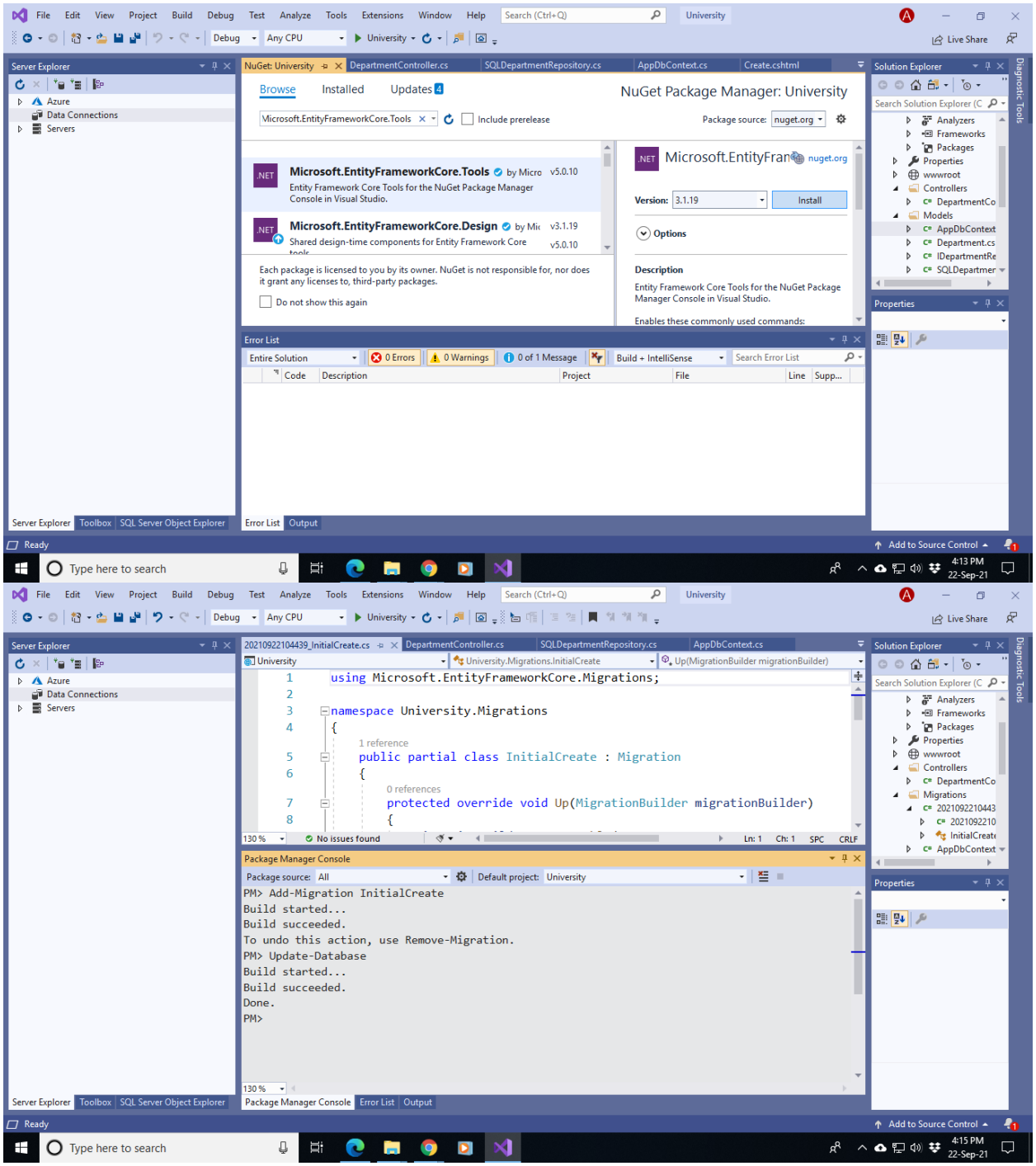
Servers
_ViewImports.cshtml
_ViewStart.cshtml
_Layout.cshtml
Create.cshtml
DepartmentController.cs
SQLDepartmentRepository.cs
1 @addTagHelper *, Microsoft.AspNetCore.Mvc.TagHelpers
Solution Explorer
Search Solution Explorer (Ctrl+;)
Properties
DepartmentController.c
Models
Views
Department
Shared
_Layout.cshtml
_ValidationScriptsPa
_ViewImports.cshtml
_ViewStart.cshtml
appsettings.json
libman.json
Program.cs
Properties
130 %
No issues found
Ln: 1 Ch: 53 SPC CRLF
Serv... Tool... SQL...
Error List ... Output
Item(s) Saved
Add to Source Control
Type here to search
4:02 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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Any CPU
University
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Servers
NuGet: University
DepartmentController.cs
SQLDepartmentRepository.cs
AppDbContext.cs
Create.cshtml
Browse
Installed
Updates 4
NuGet Package Manager: University
Microsoft.EntityFrameworkCore.Tools
Include prerelease
Package source: nuget.org
Microsoft.EntityFrameworkCore.Tools by Micro v5.0.10
Entity Framework Core Tools for the NuGet Package Manager Console in Visual Studio.
Microsoft.EntityFrameworkCore.Design by Mic v3.1.19
Shared design-time components for Entity Framework Core v5.0.10
Each package is licensed to you by its owner. NuGet is not responsible for, nor does it grant any licenses to, third-party packages.
Do not show this again
Microsoft.EntityFran nuget.org
Version: 3.1.19
Install
Options
Description
Entity Framework Core Tools for the NuGet Package Manager Console in Visual Studio.
Enables these commonly used commands:
Solution Explorer
Search Solution Explorer (C
Analyzers
Frameworks
Packages
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wwwroot
Controllers
DepartmentCo
Models
AppDbContext
Department.cs
IDepartmentRe
SQLDepartmer
Properties
Error List
Entire Solution
0 Errors
0 Warnings
0 of 1 Message
Build + IntelliSense
Search Error List
Code
Description
Project
File
Line
Supp...
Server Explorer
Toolbox
SQL Server Object Explorer
Error List
Output
Ready
Add to Source Control
Type here to search
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File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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Servers
20210922104439_InitialCreate.cs
DepartmentController.cs
SQLDepartmentRepository.cs
AppDbContext.cs
University
University.Migrations.InitialCreate
Up(MigrationBuilder migrationBuilder)
1 using Microsoft.EntityFrameworkCore.Migrations;
2
3 namespace University.Migrations
4 {
1 reference
5 public partial class InitialCreate : Migration
6 {
0 references
7 protected override void Up(MigrationBuilder migrationBuilder)
8 {
130 %
No issues found
Ln: 1
Ch: 1
SPC
CRLF
Package Manager Console
Package source: All
Default project: University
PM> Add-Migration InitialCreate
Build started...
Build succeeded.
To undo this action, use Remove-Migration.
PM> Update-Database
Build started...
Build succeeded.
Done.
PM>
130 %
Solution Explorer
Search Solution Explorer (C
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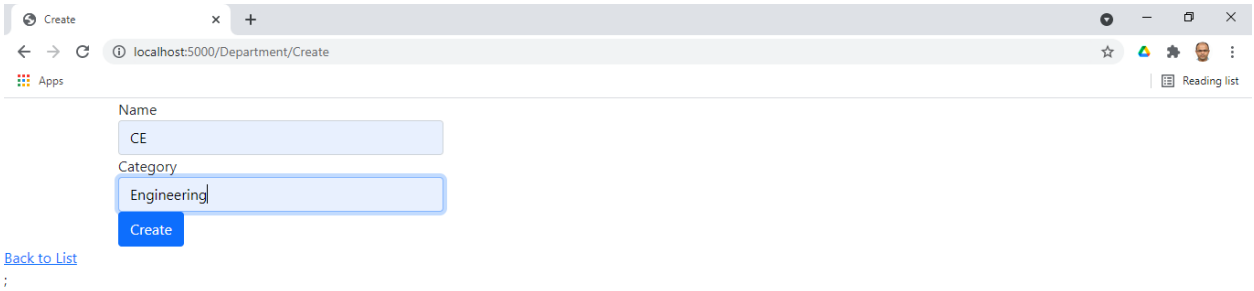
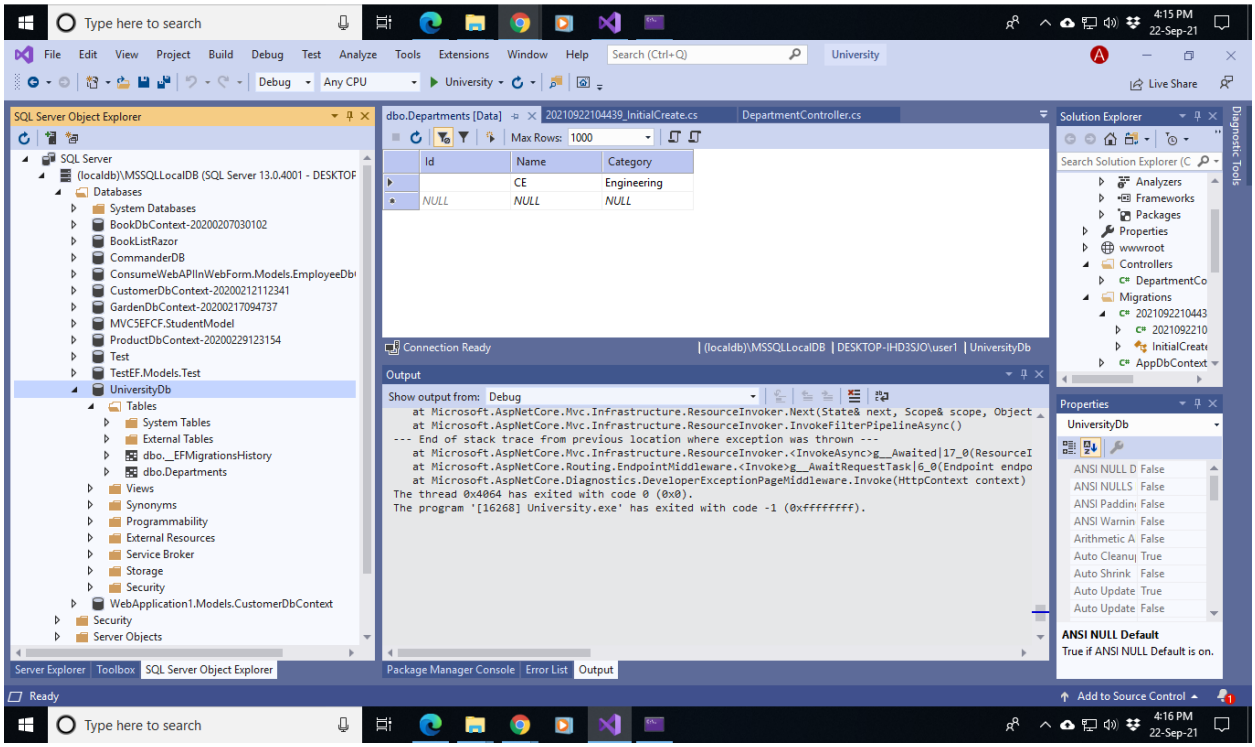
Controllers
DepartmentCo
Migrations
2021092210443
2021092210
InitialCreate
AppDbContext
Properties
Server Explorer
Toolbox
SQL Server Object Explorer
Package Manager Console
Error List
Output
Ready
Add to Source Control
Type here to search
4:15 PM
22-Sep-21


Create
localhost:5000/Department/Create
Apps
Reading list
Name
CE
Category
Engineering
Create
Back to List
;


Type here to search
4:15 PM
22-Sep-21
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
University
Live Share
SQL Server Object Explorer
SQL Server
(localdb)\MSSQLLocalDB (SQL Server 13.0.4001 - DESKTOF
Databases
System Databases
BookDbContext-20200207030102
BookListRazor
CommanderDB
ConsumeWebAPIInWebForm.Models.EmployeeDb
CustomerDbContext-20200212112341
GardenDbContext-20200217094737
MVC5EFCF.StudentModel
ProductDbContext-20200229123154
Test
TestEF.Models.Test
UniversityDb
Tables
System Tables
External Tables
dbo.__EFMigrationsHistory
dbo.Departments
Views
Synonyms
Programmability
External Resources
Service Broker
Storage
Security
WebApplication1.Models.CustomerDbContext
Security
Server Objects
dbo.Departments [Data]
20210922104439_InitialCreate.cs
DepartmentController.cs
Max Rows: 1000
Id
Name
Category
CE
Engineering
NULL
NULL
NULL
Connection Ready
(localdb)\MSSQLLocalDB | DESKTOP-IHD3SJO\user1 | UniversityDb
Output
Show output from: Debug
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.Next(State& next, Scope& scope, Object
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.InvokeFilterPipelineAsync()
--- End of stack trace from previous location where exception was thrown ---
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.<InvokeAsync>g__Awaited|17_0(ResourceI
at Microsoft.AspNetCore.Routing.EndpointMiddleware.<Invoke>g__AwaitRequestTask|6_0(Endpoint endpo
at Microsoft.AspNetCore.Diagnostics.DeveloperExceptionPageMiddleware.Invoke(HttpContext context)
The thread 0x4064 has exited with code 0 (0x0).
The program '[16268] University.exe' has exited with code -1 (0xffffffff).
Solution Explorer
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Migrations
2021092210443
2021092210
InitialCreate
AppDbContext
Properties
UniversityDb
ANSI NULL D False
ANSI NULLS False
ANSI Paddin False
ANSI Warnin False
Arithmetic A False
Auto Cleanu True
Auto Shrink False
Auto Update True
Auto Update False
ANSI NULL Default
True if ANSI NULL Default is on.
Diagnostic Tools
Server Explorer
Toolbox
SQL Server Object Explorer
Package Manager Console
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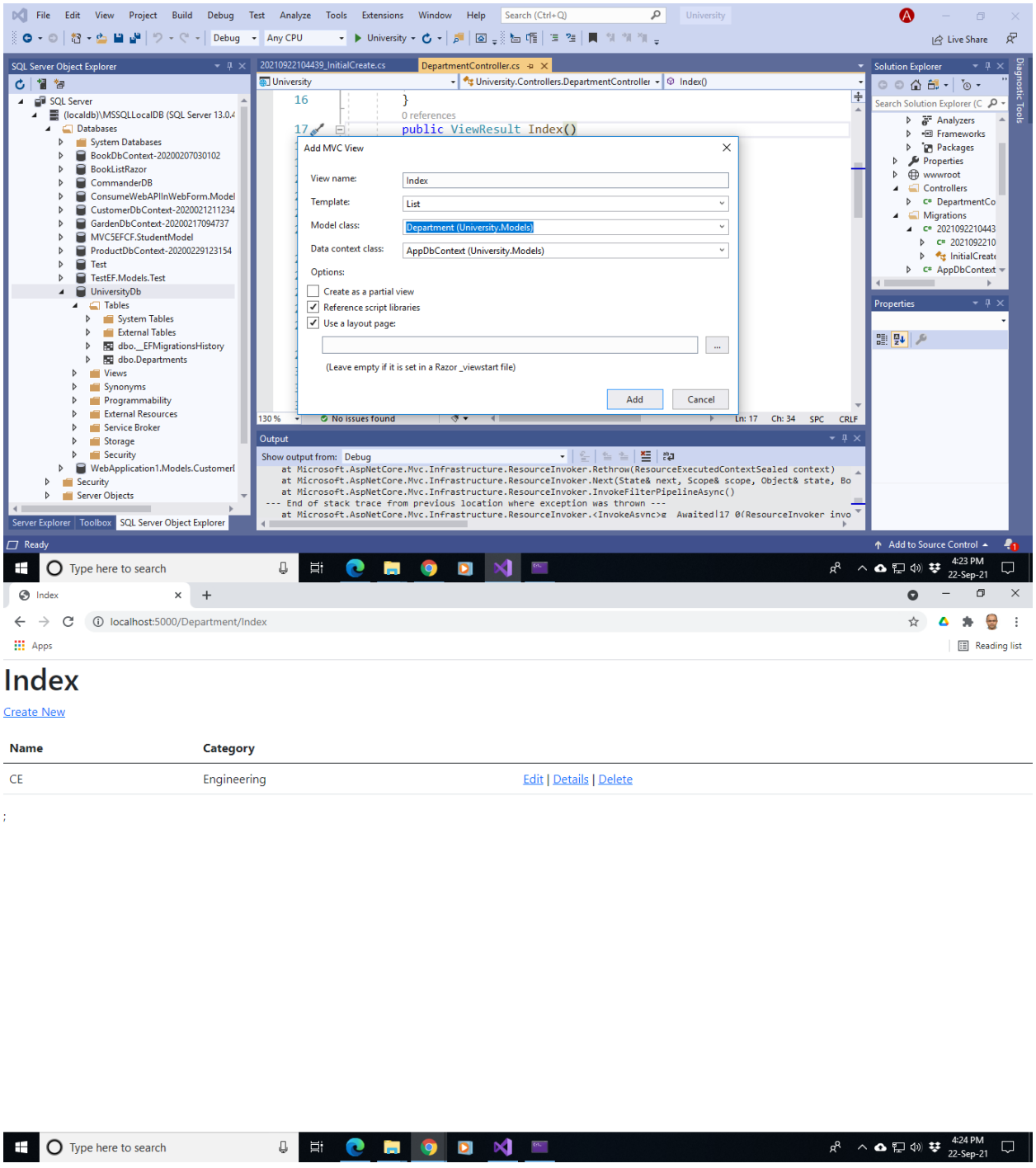
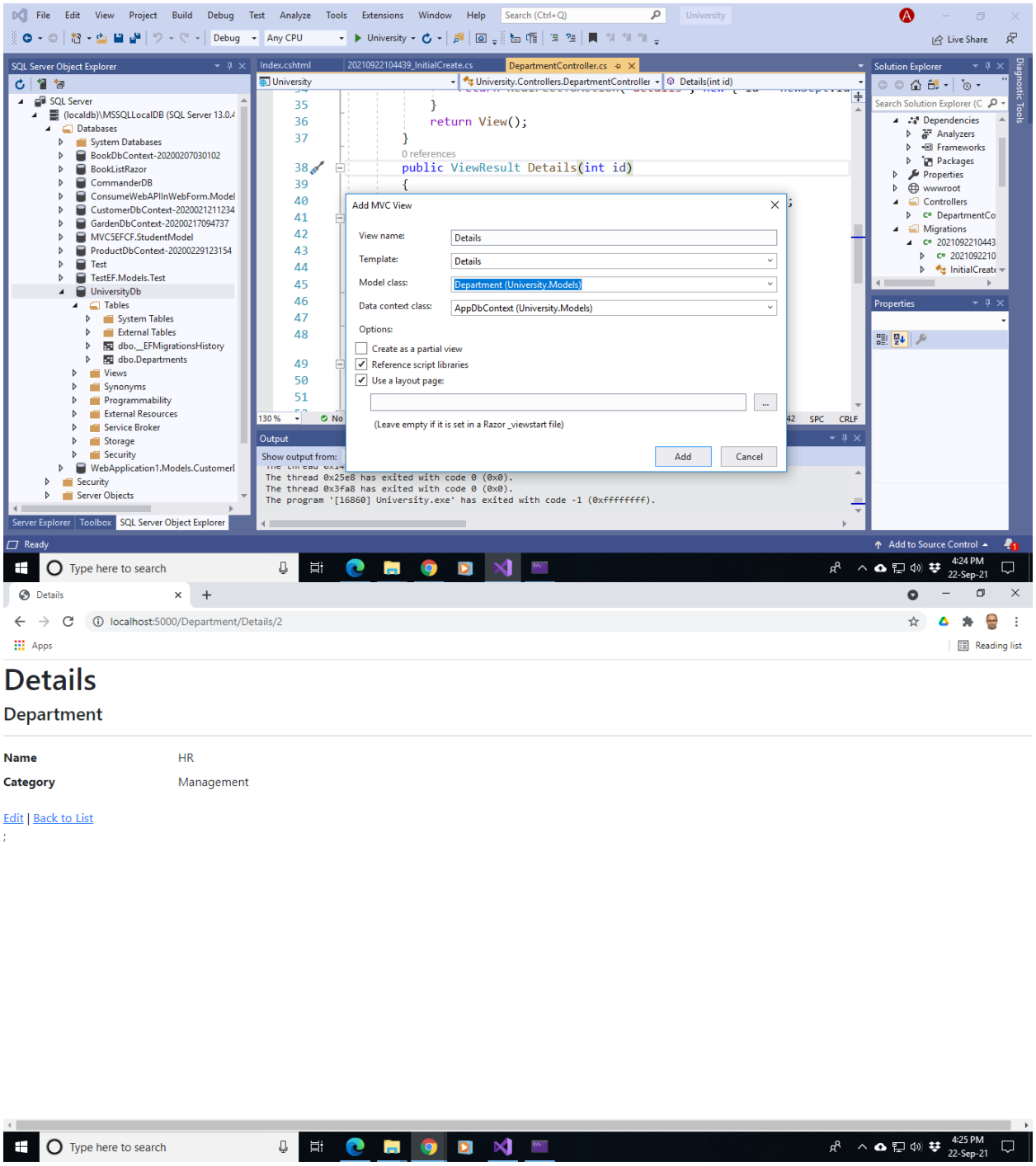
Output
Ready
Add to Source Control
Type here to search
4:16 PM
22-Sep-21


Add MVC View
View name: Index
Template: List
Model class: Department (University.Models)
Data context class: AppDbContext (University.Models)
Options:
Create as a partial view
Reference script libraries
Use a layout page:
(Leave empty if it is set in a Razor _viewstart file)
Add
Cancel
localhost:5000/Department/Index
Index
Create New
Name
Category
CE
Engineering
Edit | Details | Delete

;



Details

Department

Name HR

Category Management

Edit | Back to List

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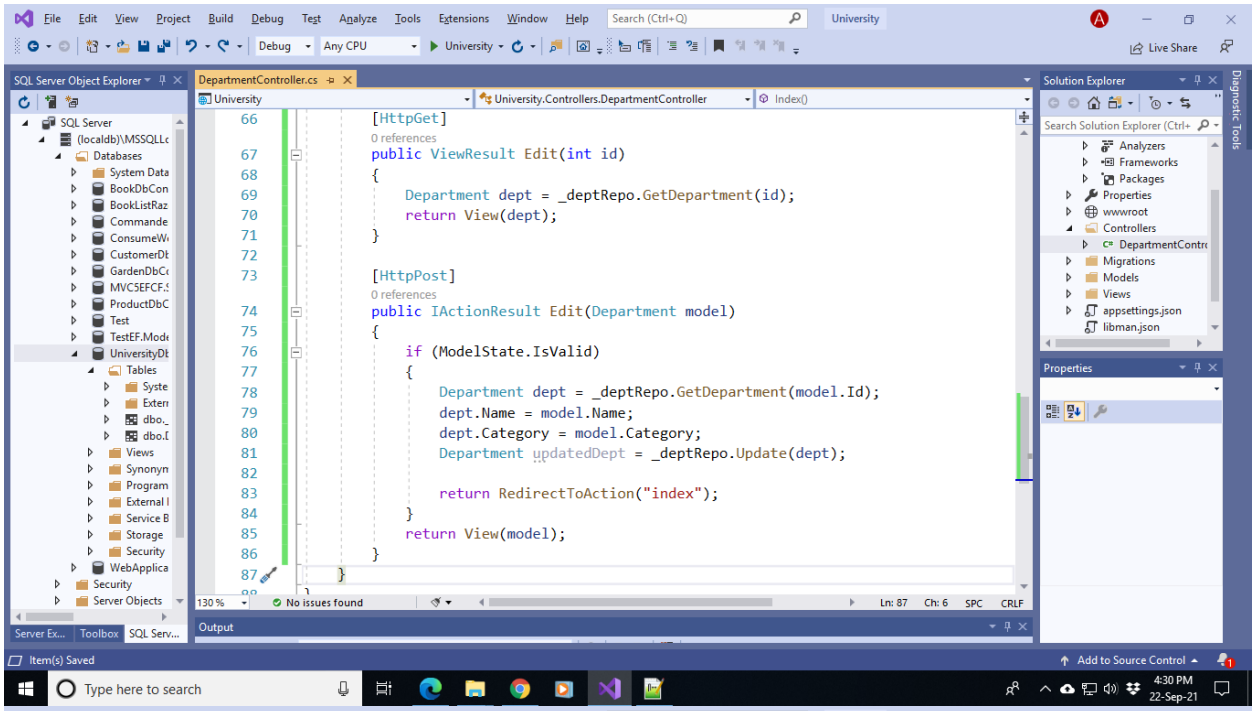
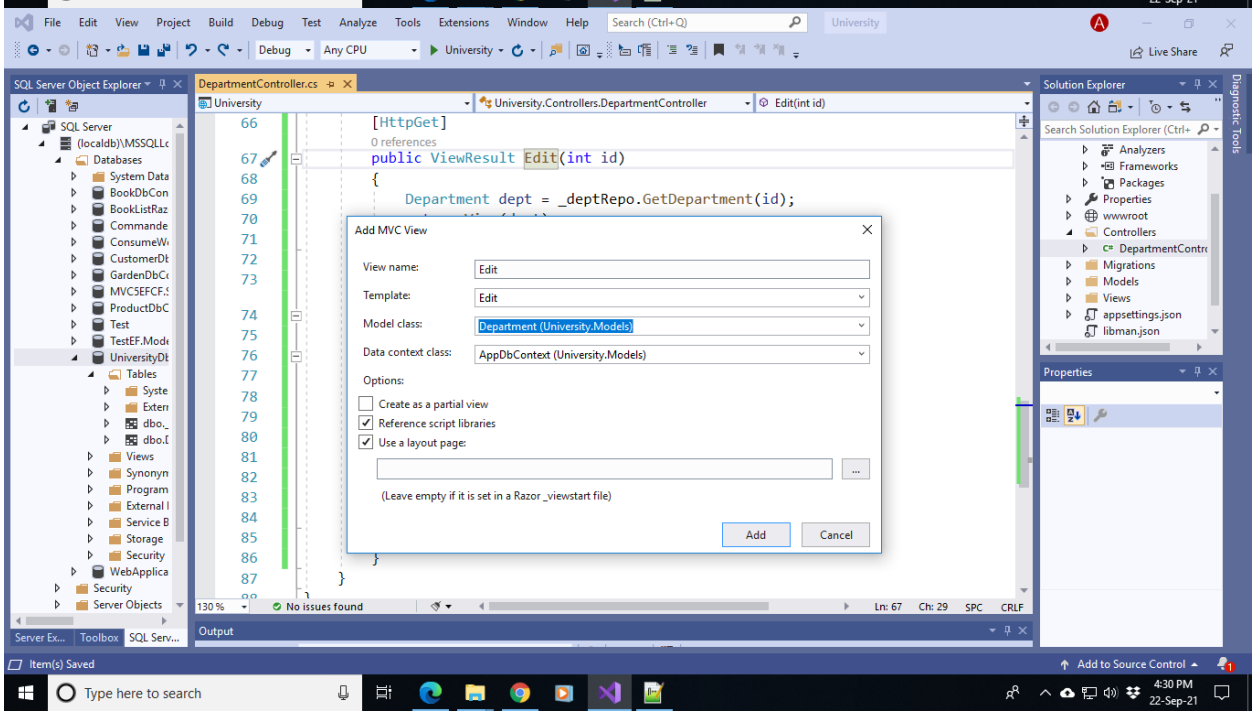
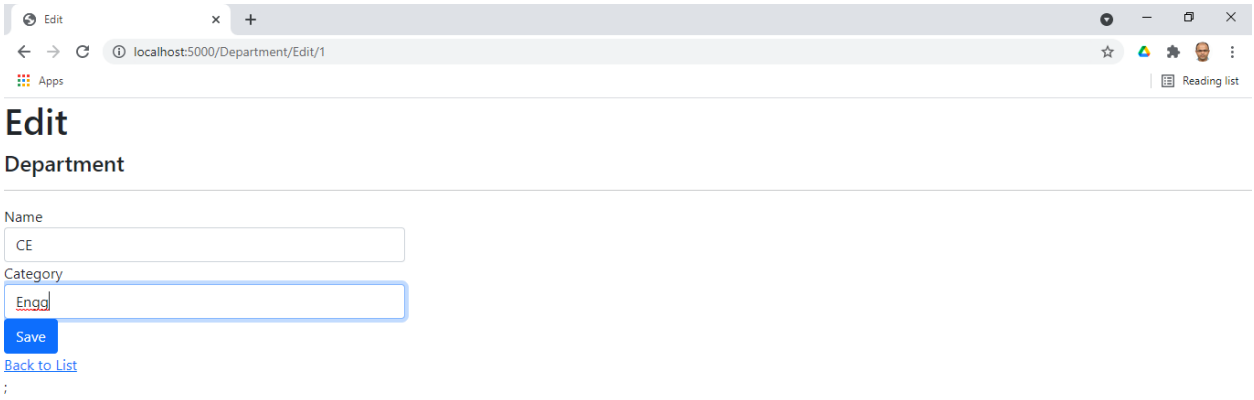

File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
University
Live Share
SQL Server Object Explorer
DepartmentController.cs
University
University.Controllers.DepartmentController
Index()
66 [HttpGet]
0 references
67 public ViewResult Edit(int id)
68 {
69 Department dept = _deptRepo.GetDepartment(id);
70 return View(dept);
71 }
72
73 [HttpPost]
0 references
74 public IActionResult Edit(Department model)
75 {
76 if (ModelState.IsValid)
77 {
78 Department dept = _deptRepo.GetDepartment(model.Id);
79 dept.Name = model.Name;
80 dept.Category = model.Category;
81 Department updatedDept = _deptRepo.Update(dept);
82
83 return RedirectToAction("index");
84 }
85 return View(model);
86 }
87 }
130 %
No issues found
Ln: 87 Ch: 6 SPC CRLF
Output
Solution Explorer
Search Solution Explorer (Ctrl+
Analyzers
Frameworks
Packages
Properties
wwwroot
Controllers
DepartmentContr
Migrations
Models
Views
appsettings.json
libman.json
Properties
Server Ex...
Toolbox
SQL Serv...
Item(s) Saved
Add to Source Control
Type here to search
4:30 PM
22-Sep-21


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
University
Live Share
SQL Server Object Explorer
DepartmentController.cs
University
University.Controllers.DepartmentController
Edit(int id)
66 [HttpGet]
0 references
67 public ViewResult Edit(int id)
68 {
69 Department dept = _deptRepo.GetDepartment(id);
Add MVC View
View name: Edit
Template: Edit
Model class: Department (University.Models)
Data context class: AppDbContext (University.Models)
Options:
Create as a partial view
Reference script libraries
Use a layout page:
(Leave empty if it is set in a Razor _viewstart file)
Add
Cancel
86 }
87 }
130 %
No issues found
Ln: 67 Ch: 29 SPC CRLF
Output
Solution Explorer
Search Solution Explorer (Ctrl+
Analyzers
Frameworks
Packages
Properties
wwwroot
Controllers
DepartmentContr
Migrations
Models
Views
appsettings.json
libman.json
Properties
Server Ex...
Toolbox
SQL Serv...
Item(s) Saved
Add to Source Control
Type here to search
4:30 PM
22-Sep-21



Edit

Department

Name

CE

Category

Engg

Save

Back to List

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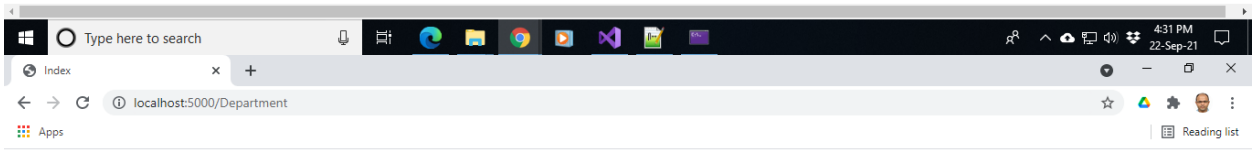
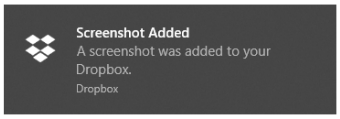


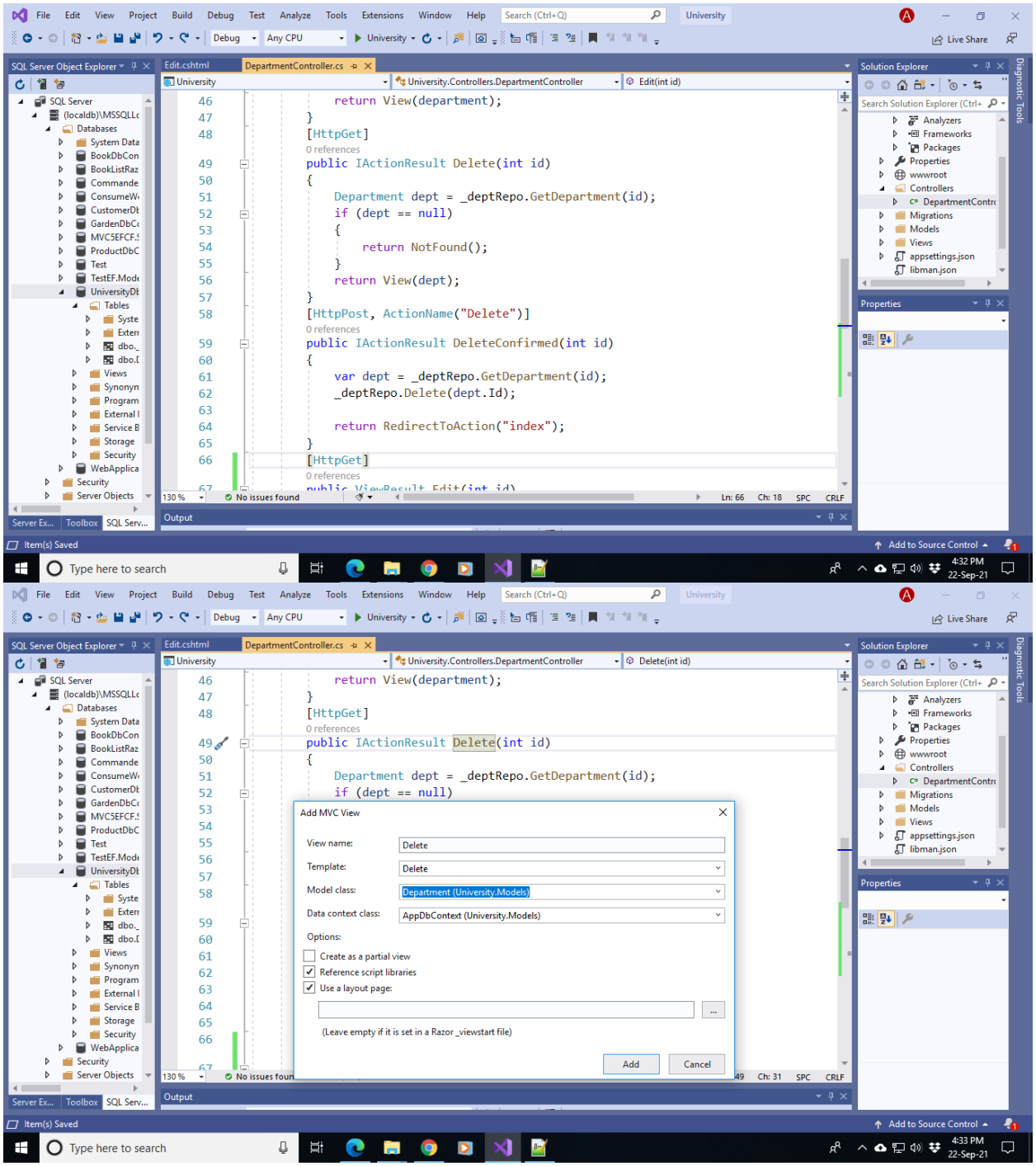
Index

Create New

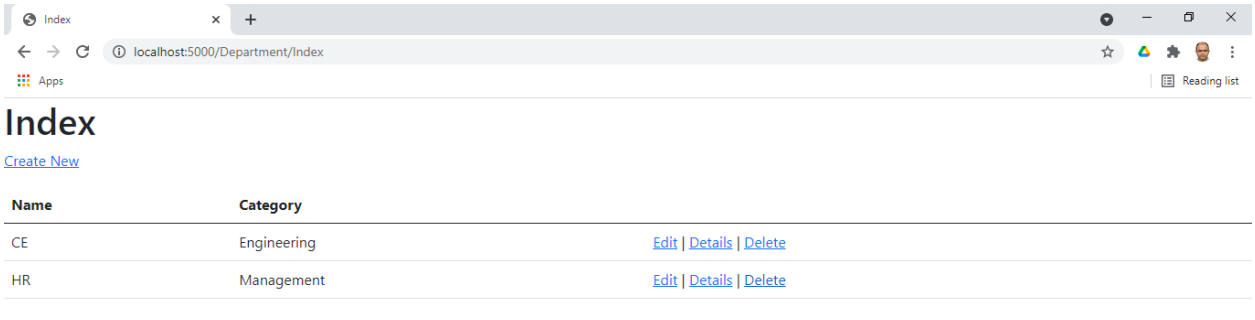
Name	Category	
CE	Engg	Edit | Details | Delete
HR	Management	Edit | Details | Delete

;




File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
Live Share
SQL Server Object Explorer
Edit.cshtml
DepartmentController.cs
University.Controllers.DepartmentController
Edit(int id)
return View(department);
}
[HttpGet]
0 references
public IActionResult Delete(int id)
{
Department dept = _deptRepo.GetDepartment(id);
if (dept == null)
{
return NotFound();
}
return View(dept);
}
[HttpPost, ActionName("Delete")]
0 references
public IActionResult DeleteConfirmed(int id)
{
var dept = _deptRepo.GetDepartment(id);
_deptRepo.Delete(dept.Id);
return RedirectToAction("index");
}
[HttpGet]
0 references
Solution Explorer
Search Solution Explorer (Ctrl+
Analyzers
Frameworks
Packages
Properties
wwwroot
Controllers
DepartmentContr
Migrations
Models
Views
appsettings.json
libman.json
Properties
Diagnostic Tools
130 %
No issues found
Ln: 66
Ch: 18
SPC
CRLF
Output
Item(s) Saved
Add to Source Control
Type here to search
4:32 PM
22-Sep-21

File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
University
Debug
Any CPU
Live Share
SQL Server Object Explorer
Edit.cshtml
DepartmentController.cs
University.Controllers.DepartmentController
Delete(int id)
return View(department);
}
[HttpGet]
0 references
public IActionResult Delete(int id)
{
Department dept = _deptRepo.GetDepartment(id);
if (dept == null)
Add MVC View
View name:
Delete
Template:
Delete
Model class:
Department (University.Models)
Data context class:
AppDbContext (University.Models)
Options:
Create as a partial view
Reference script libraries
Use a layout page:
(Leave empty if it is set in a Razor _viewstart file)
Add
Cancel
Solution Explorer
Search Solution Explorer (Ctrl+
Analyzers
Frameworks
Packages
Properties
wwwroot
Controllers
DepartmentContr
Migrations
Models
Views
appsettings.json
libman.json
Properties
Diagnostic Tools
130 %
No issues found
Ln: 49
Ch: 31
SPC
CRLF
Output
Item(s) Saved
Add to Source Control
Type here to search
4:33 PM
22-Sep-21



Index

Create New

Name	Category	
CE	Engineering	Edit | Details | Delete
HR	Management	Edit | Details | Delete

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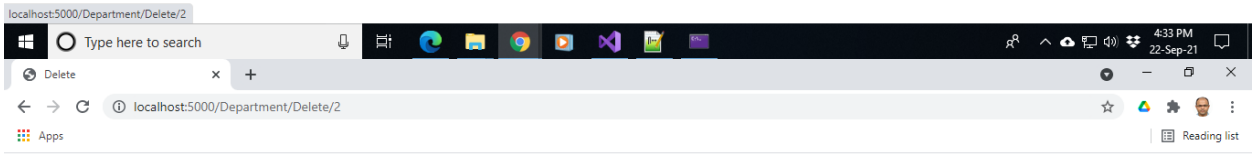

Delete

Are you sure you want to delete this?

Department

Name HR

Category Management

Delete | Back to List

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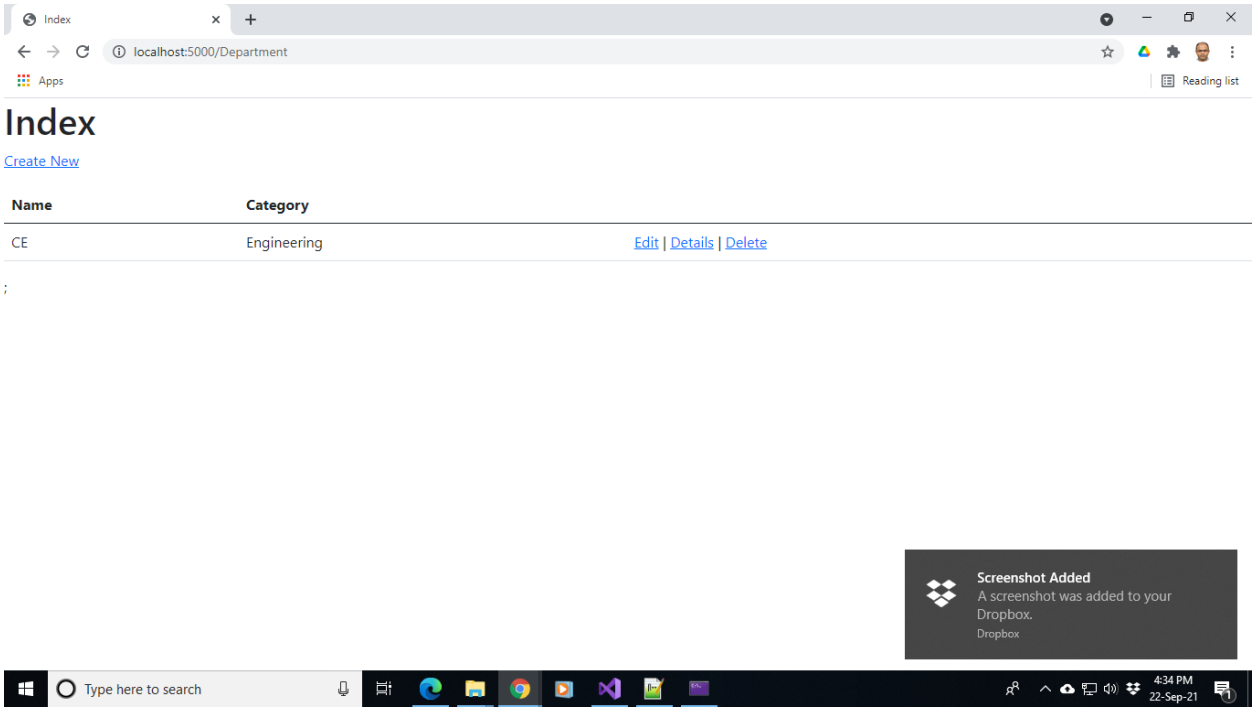
Index
localhost:5000/Department
Apps
Reading list
Index
Create New
Name
Category
CE
Engineering
Edit | Details | Delete
;
Screenshot Added
A screenshot was added to your Dropbox.
Dropbox
Type here to search
4:34 PM
22-Sep-21