

Views in ASP.NET Core MVC

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What is a View

- ▶ In the Model-View-Controller (MVC) pattern, the View is the component that contains logic to represent the model data (the model data provided to it by a controller) as a user interface with which the end-user can interact.
- ▶ The Views in MVC are HTML templates with embedded Razor mark-up which generate content that sends to the client.
- ▶ .cshtml (c# + html)
- ▶ Provide UI of an Application
- ▶ What we see on browser its all View.



Why we need Views

- ▶ Display HTML content to the user
- ▶ Is used to display content of an application and also to accept user inputs
- ▶ Easy to use

Adding a new View

- ▶ Using solution Explorer
- ▶ Using Action Method
- ▶ Action Method return type must be `ViewResult` or `IActionResult`

Calling View Browser

- ▶ In MVC browser can not directly call view
- ▶ Every call must go through from controller
- ▶ Browser doesn't know what request it is getting this is work of action method. If action method returns a view browser will return the content of view.



How Controller Finds a View

- ▶ First it search in corresponding view Folder.
- ▶ Then it goes to Views/Shared Folder.
- ▶ Finally it goes to Pages/Shared Folder.

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- If we do not have any view page inside any Controller folder its also search from Shared Folder.

Server Explorer Toolbox

MyViewController.cs Index.cshtml Index.cshtml Index.cshtml TestController.cs About.cshtml

AspDotnetCore_Project1 AspDotnetCore_Project1.Controllers.MyView Index()

```
1 using Microsoft.AspNetCore.Mvc;
2 using System;
3 using System.Collections.Generic;
4 using System.Linq;
5 using System.Threading.Tasks;
6
7 namespace AspDotnetCore_Project1.Controllers
8 {
9     public class MyViewController : Controller
10     {
11         public IActionResult Index()
12         {
13             return View();
14         }
15     }
16 }
17
```

120 % No issues found Ln: 11 Ch: 32 SPC CRLF

Output

p2.1
\\AspDotnetCore_Proje
ct1.dll
1>AspDotnetC
ore_Projec
t1 -> C:
\\Users
\\Lenovo
\\Desktop
\\Asp.net_C
ore
\\Examples
\\AspDotnet
Core_Proje
ct1\\bin
\\Debug
\\netcoreap
p2.1
\\AspDotnet
Core_Proje
ct1.Views.
dll
=====
Build: 1
succeeded,
0 failed,
0 up-to-
date, 0
skipped
=====

Solution Explorer

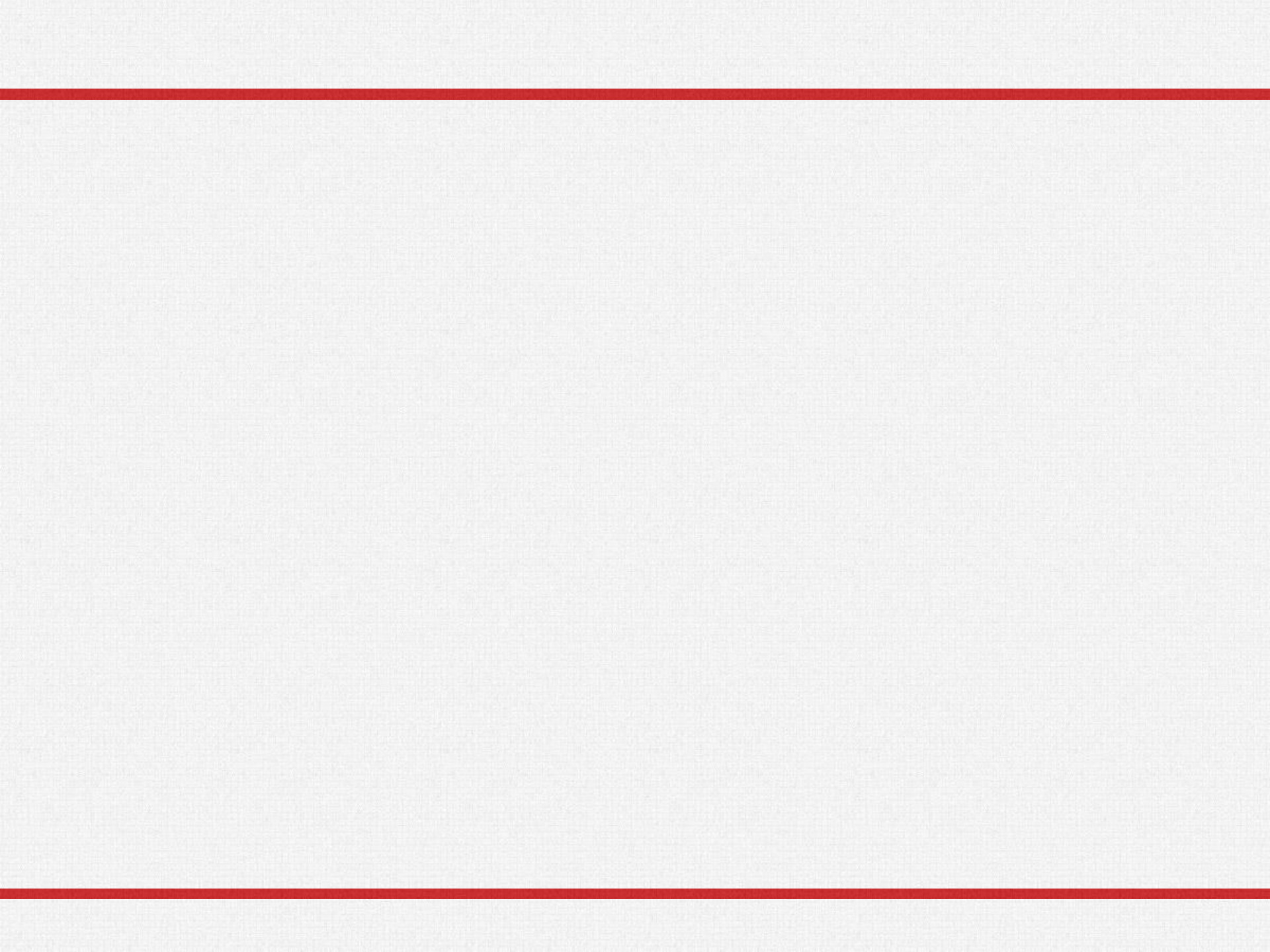
Search Solution Explorer (Ctrl+;)

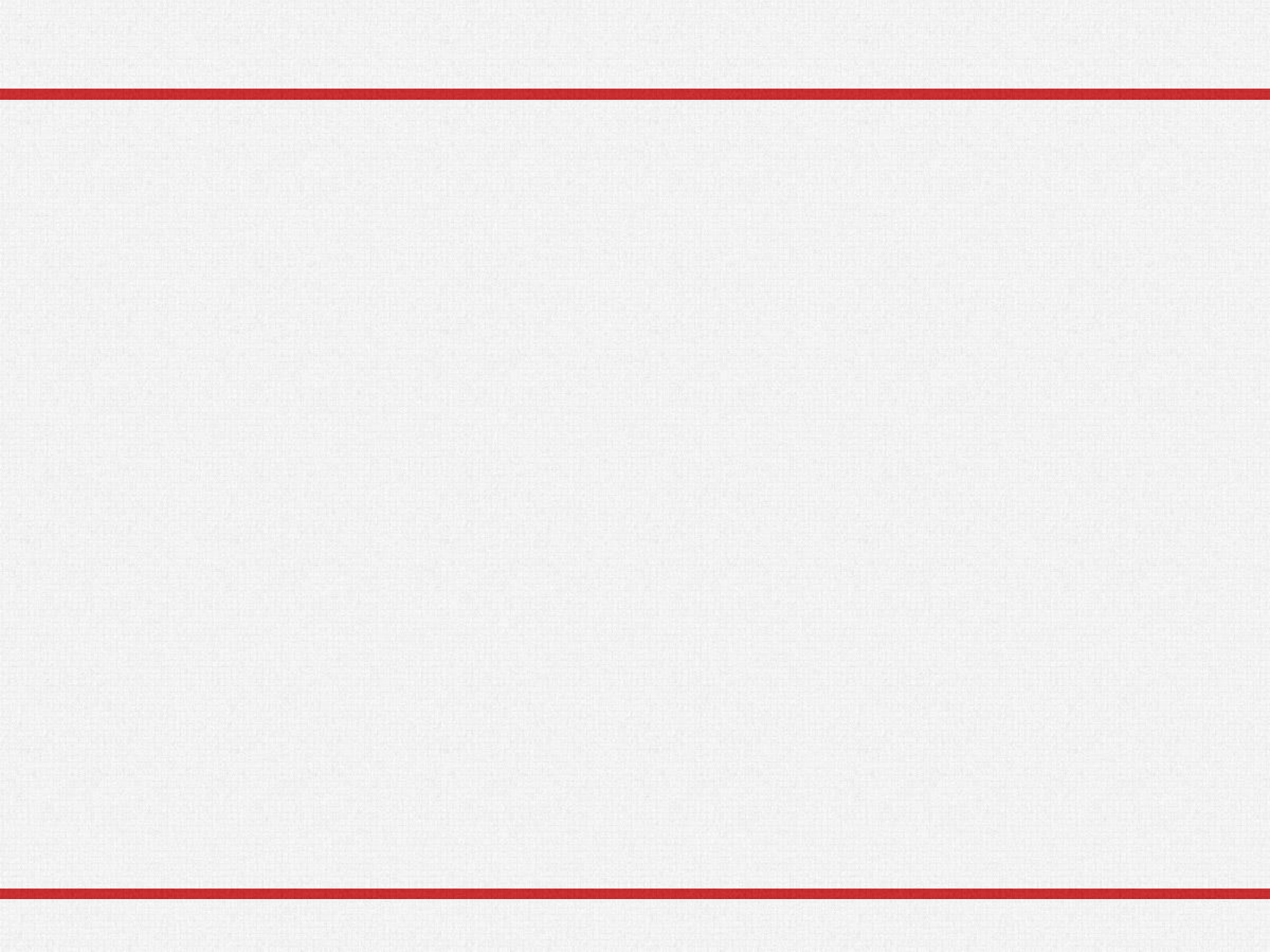
Solution 'AspDotnetCore_Project1' (1 of 1 projects)

- AspDotnetCore_Project1
 - Connected Services
 - Dependencies
 - Properties
 - wwwroot
 - Controllers
 - EmployeeController.cs
 - HomeController.cs
 - MyViewController.cs
 - TestController.cs
 - Models
 - Employee.cs
 - EmployeeRepository.cs
 - IEmployeeRepository.cs
 - Views
 - Home
 - Shared
 - Index.cshtml
 - Test
 - Index.cshtml
 - Program.cs
 - Startup.cs

Build succeeded

Add to Source Control





Thanks