

## ViewImports in ASP.NET Core MVC

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# What is `_ViewImports.cshtml` in ASP.NET Core MVC Application?

- ▶ In ASP.NET Core MVC Application, the `_ViewImports.cshtml` file provides a mechanism to include the directives globally for Razor Pages so that we don't have to add them individually in each and every page.
  - ▶ `@addTagHelper`
  - ▶ `@tagHelperPrefix`
  - ▶ `@removeTagHelper`
  - ▶ `@namespace`
  - ▶ `@inject`
  - ▶ `@model`
  - ▶ `@using`
- ▶ The `@addTagHelper`, `@tagHelperPrefix`, and `@removeTagHelper` directives are basically used to manage of Tag Helpers.
- ▶ The `@namespace` directive is basically used to specify the namespace that the `ViewImports` belongs to.

# Creating ViewImports.cshtml file in ASP.NET Core MVC Application

- ▶ In general, **\_ViewImports.cshtml** files are created within the Views or within the subfolder of the Views folder. To create the “**\_ViewImports.cshtml**” file right-click on the Views folder and then select the “**Add – New Item**” option from the context menu, which will open the “**New Item**” window. From the “**New Item**” window search for “**Razor**” and then select the “**Razor View Import**” and click on the “**Add**” button as shown in the below image which should create the “**\_ViewImports.cshtml**” within the “**Views**” folder



# Add a RazorView Import file inside View Folder.

The screenshot shows the Visual Studio IDE with the 'New Item' dialog box open for the project 'Ex8\_Bootstrap'. The dialog is filtered by 'raz' and shows a list of items under the 'Visual C#' category. The 'Razor View Imports' item is selected. The 'Views' folder in the Solution Explorer is also visible, showing the project structure.

**New Item - Ex8\_Bootstrap**

Sort by: Default

Visual C#

- > ASP.NET Core
- General
- Search Results
- Online

| Item Name                 | Type      |
|---------------------------|-----------|
| Razor Component           | Visual C# |
| Razor Page - Empty        | Visual C# |
| Razor View - Empty        | Visual C# |
| Razor Layout              | Visual C# |
| Razor View Start          | Visual C# |
| <b>Razor View Imports</b> | Visual C# |

Type: Visual C#  
Razor View Imports Page

File name:

Add Cancel

**Solution Explorer**

Search Solution Explorer (Ctrl+;)

Solution 'Ex8\_Bootstrap' (1 of 1 project)

- Ex8\_Bootstrap**
  - Connected Services
  - Dependencies
  - Properties
  - Controllers
    - EmployeeController.cs
    - HomeController.cs
  - Models
  - Employee.cs
  - Shared
    - \_Layout.cshtml
  - Views**
    - Employee
    - Home
      - Index.cshtml
    - wwwroot
      - CSS
        - Site.css
      - lib
    - libman.json
    - Program.cs
    - Startup.cs

# Add all namespace of all models.

The screenshot displays the Visual Studio IDE interface. The main editor window shows the file `_ViewImports.cshtml` with the following content:

```
1 @using Ex8_Bootstrap.Models;  
2
```

The `Ex8_Bootstrap.Models` namespace is highlighted in blue. The Solution Explorer on the right shows the project structure for `Ex8_Bootstrap`, including folders for `Controllers`, `Models`, `Shared`, and `Views`. The `Models` folder is expanded, showing `Employee.cs` and `HomeController.cs`. The `Views` folder is also expanded, showing `Employee`, `Home`, and `_ViewImports.cshtml`. The `wwwroot` folder is expanded, showing `CSS`, `lib`, and `libman.json`. The `Program.cs` file is also visible.

The status bar at the bottom indicates "120 %", "No issues found", and "Error List". The Windows taskbar at the very bottom shows the search bar and several application icons.

Visual Studio interface showing the code editor for `_ViewImports.cshtml` in the `Ex8_Bootstrap` project. The code defines a model and renders a table of employees.

```
1  @*@model List<Ex8_Bootstrap.Models.Employee>*@
2  @*No need to put model namespace name if you are using _ViewImport.cshtml file*@
3  @model List<Employee>
4  @{
5      ViewData["Title"] = "AllEmployee";
6      Layout = "~/Shared/_Layout.cshtml";
7  }
8
9  <h3>AllEmployee</h3>
10 <div>
11     <table class="text-center">
12     <thead>
13     <tr>
14         <th>ID</th>
15         <th>Name</th>
16         <th>Salary</th>
17     </tr>
18 </thead>
19 <tbody>
20     @foreach (var i in Model)
21     {
22         <tr>
23             <td>@i.Id</td>
24             <td>@i.Name</td>
```

120 % | No issues found | Ln: 12 Ch: 16 SPC CRL

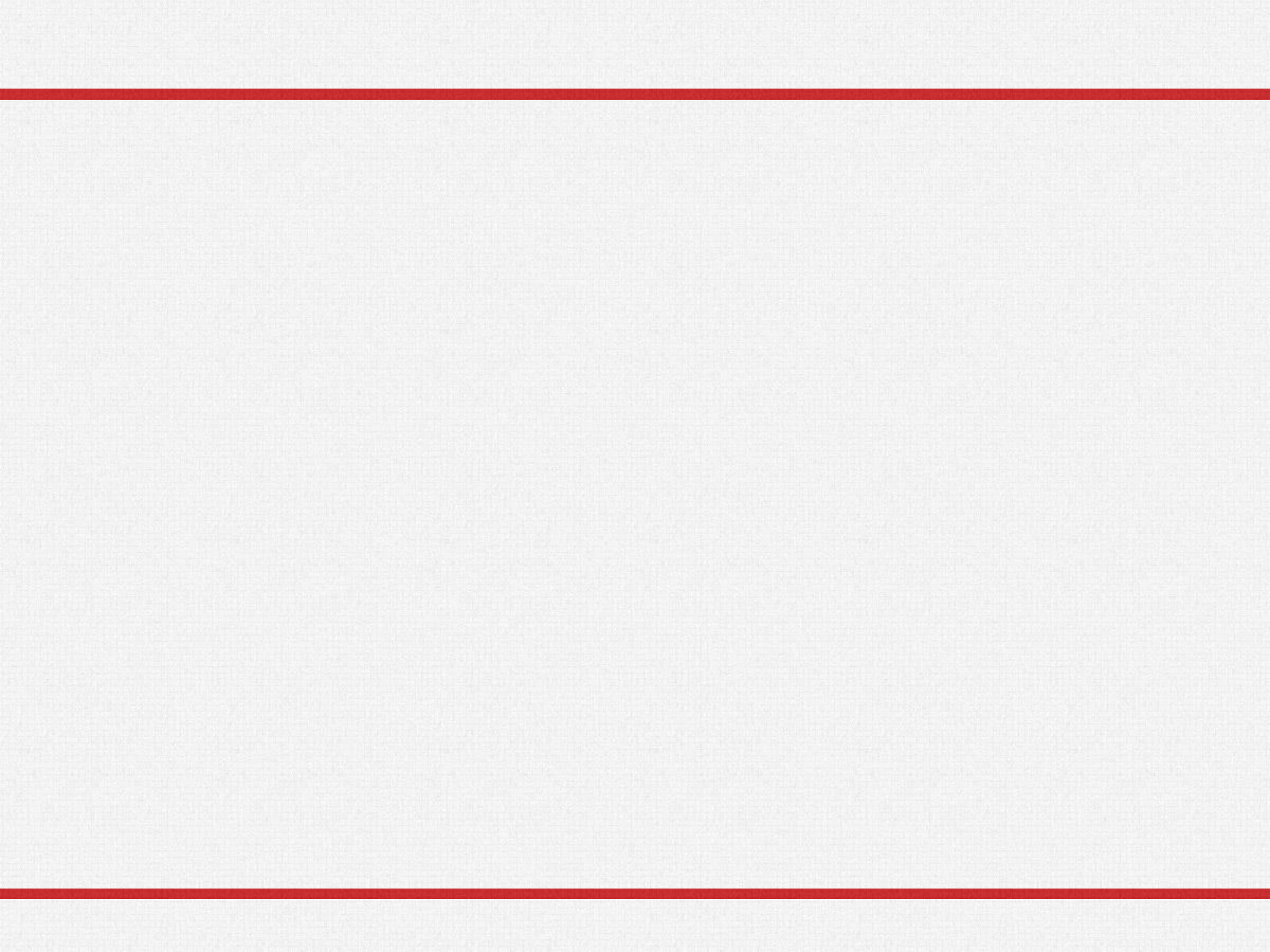
Ready | Add to Source Control | 16:00 23-01-2021

# Add a RazorView Import file inside View—Employee Folder ,this is only use by Employee Controller only.

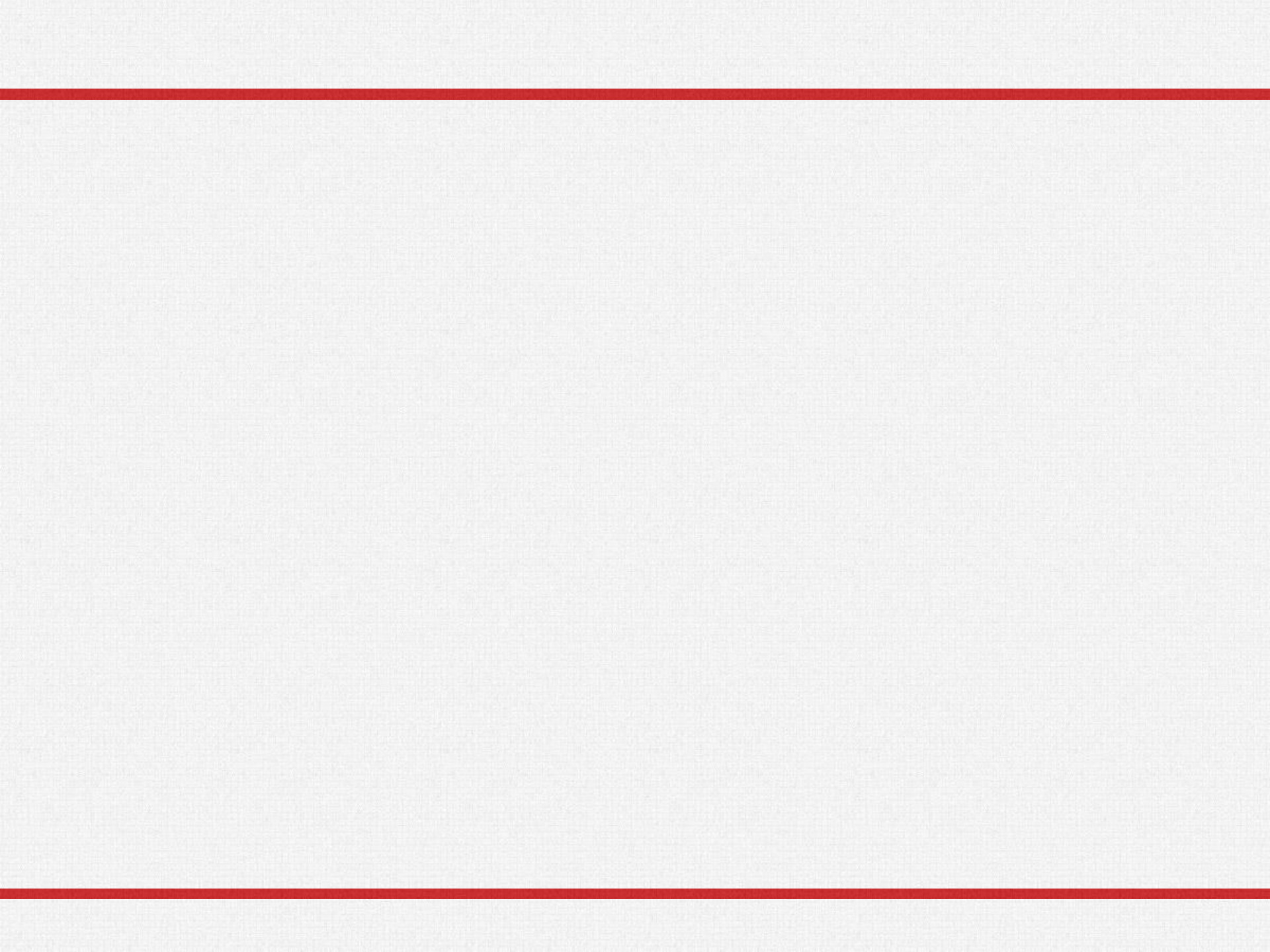
The screenshot displays the Visual Studio IDE with the 'Add New Item' dialog open. The dialog shows a list of item templates under the 'Razor' category, with 'Razor View Imports' selected. The 'Type' is set to 'Visual C#'. The 'Solution Explorer' on the right shows the project structure for 'Ex8\_Bootstrap', with the 'Employee' folder under 'Views' selected. The '\_ViewImports.cshtml' file is open in the editor, showing the following code:

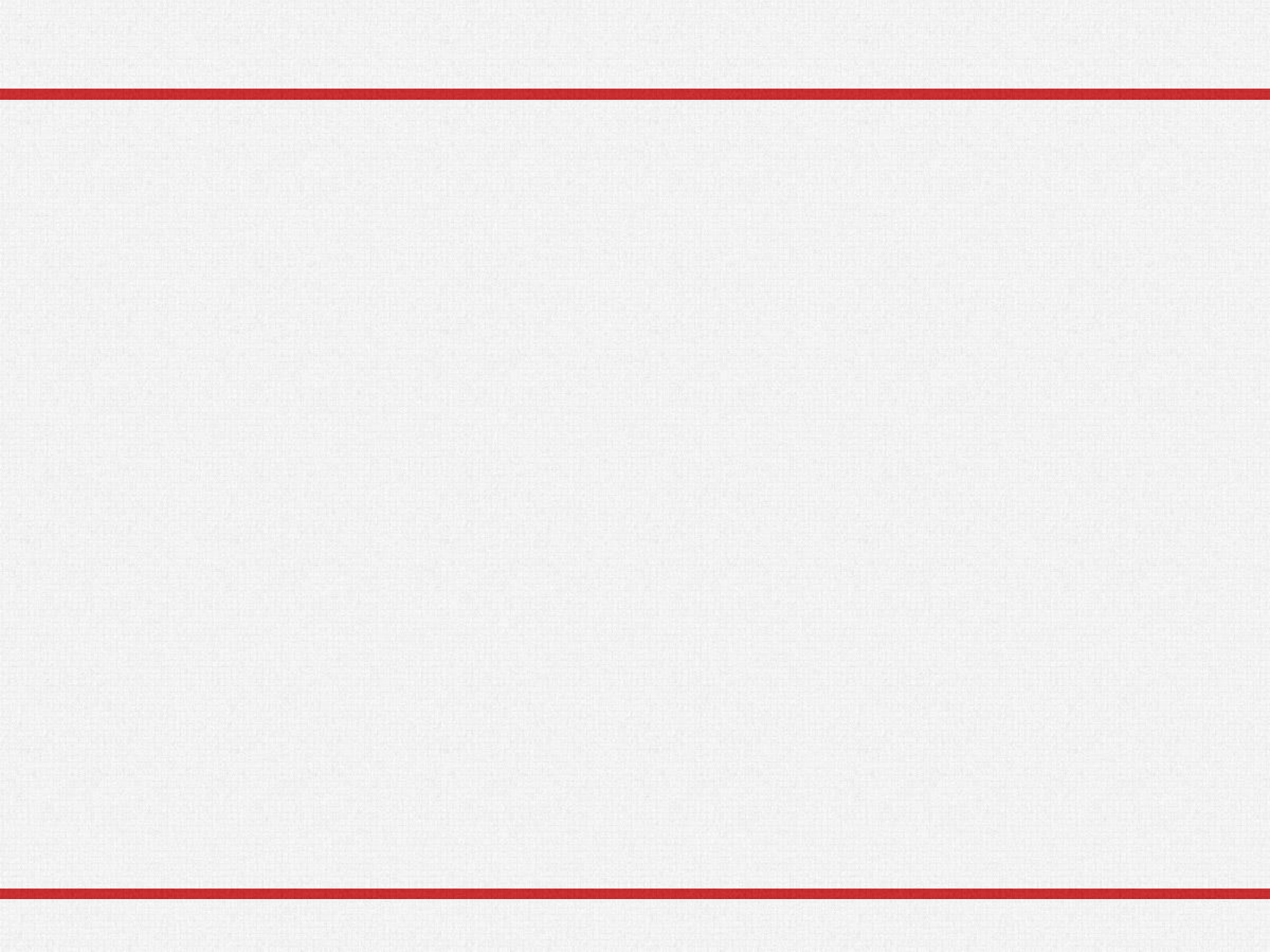
```
<td>@i.Id</td>
<td>@i.Name</td>
```

The status bar at the bottom indicates 'No issues found' and the system clock shows 16:04 on 23-01-2021.

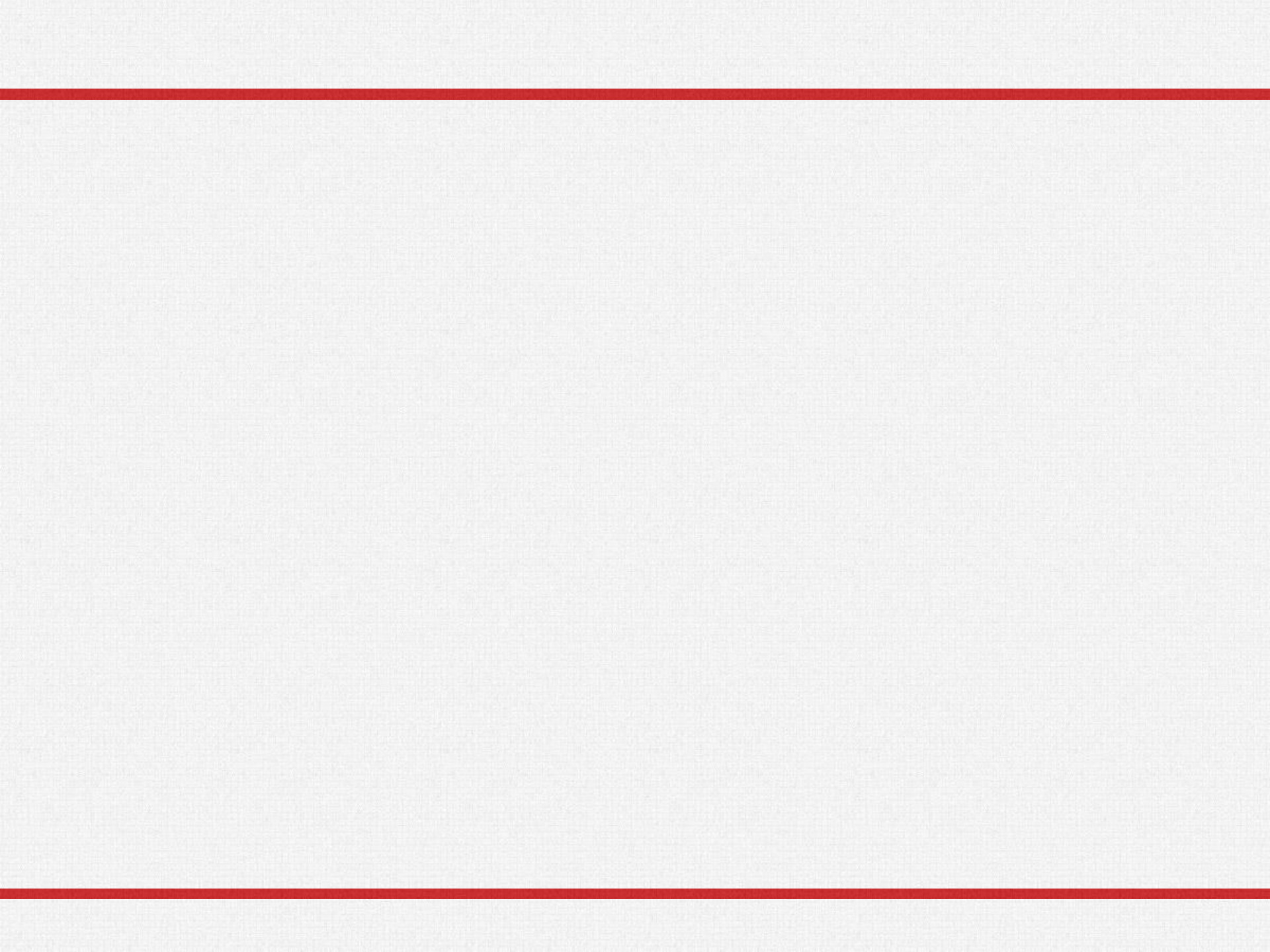












Thanks