Strongly Typed View in ASP.NET Core MVC

Why do we need Strongly Typed View in ASP.NET Core MVC?

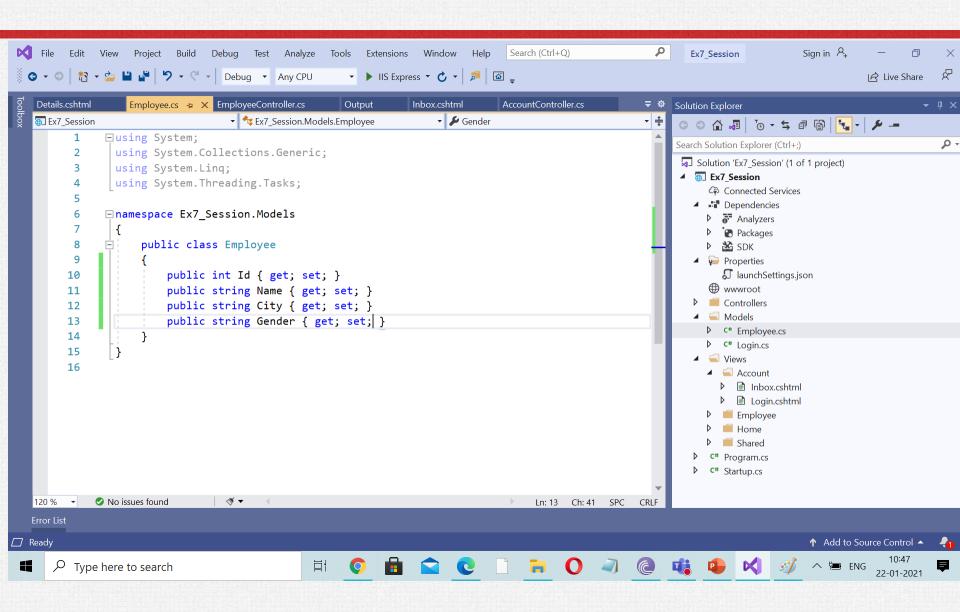
- As we already discussed we can pass the model data to a view using many different ways such as ViewBag, ViewData, strongly typed model object, etc.
- When we passed the model data to a View using ViewBag or ViewData, then the view becomes a loosely typed view.
- In a loosely typed view, we will not get any intelligence as well as the compile-time error.
- With a strongly typed view, we will get both intelligence support as _____ well as the compile-time error.

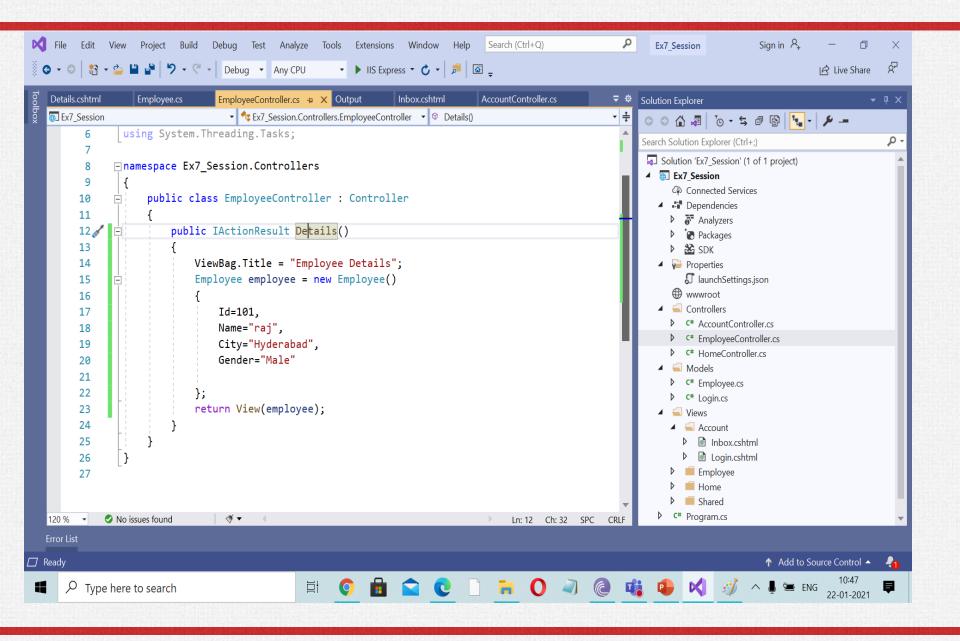
Implementing Strongly Typed View in ASP.NET Core MVC

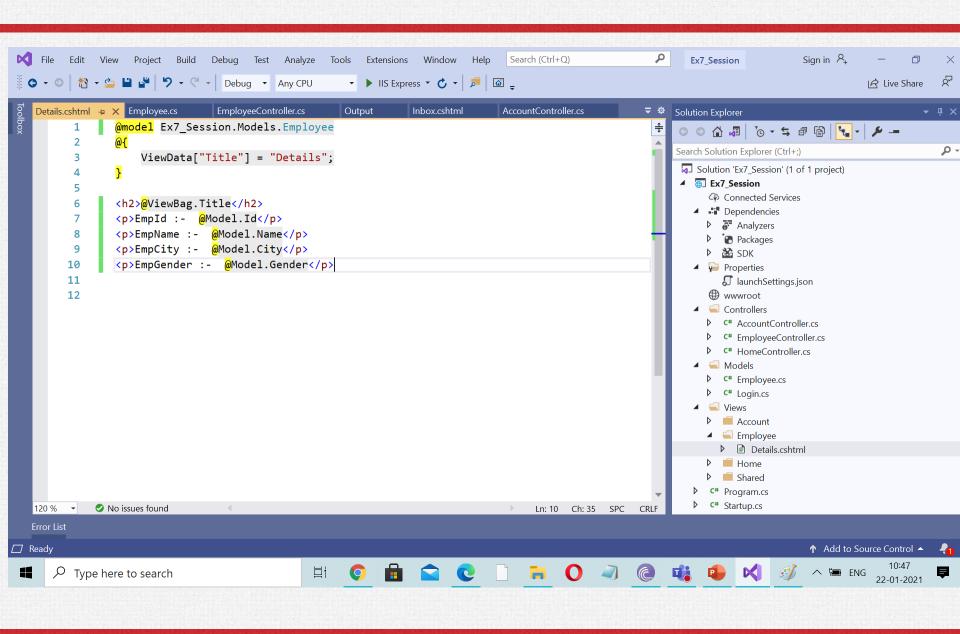
- In order to create a strongly-typed view, from the action method of the controller, we need to pass the model object as a parameter to the View() extension method.
- The Controller base class provides us the following two overloaded versions of View() extension method which we can use to pass the model object from the controller action method to a view.

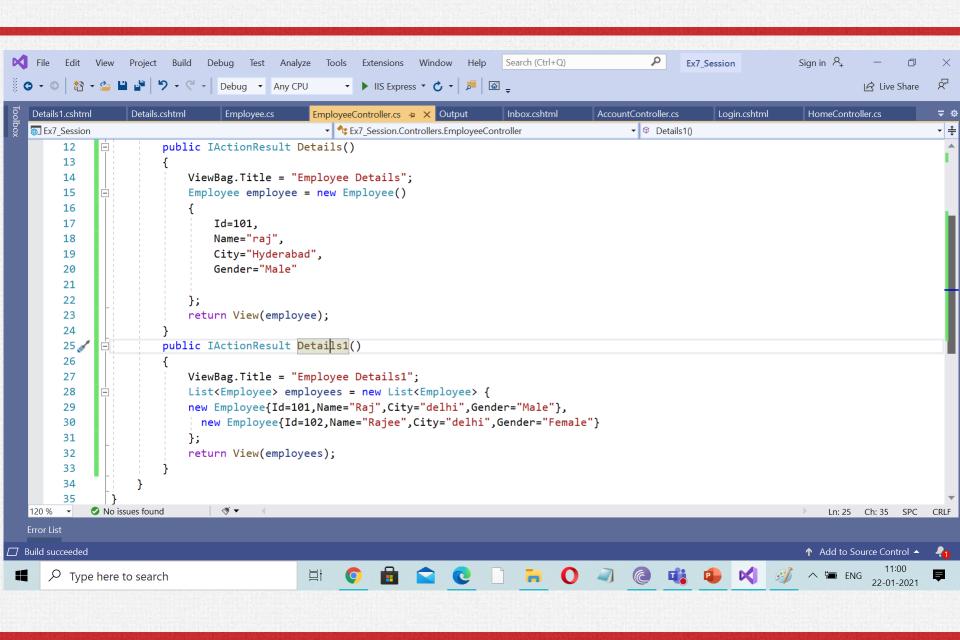
```
public virtual ViewResult View(string viewName, object model);
public virtual ViewResult View(object model);
```

Here we are going to use the overloaded version which takes only the model object as, an input parameter.









```
@model IEnumerable<Ex7_Session.Models.Employee>
@{
 ViewData["Title"] = "Details1";
<h2>Details1</h2>
>
 <a asp-action="Create">Create New</a>
<thead>
   @Html.DisplayNameFor(model => model.Id)
    @Html.DisplayNameFor(model => model.Name)
    @Html.DisplayNameFor(model => model.City)
    @Html.DisplayNameFor(model => model.Gender)
```

</thead>

```
@foreach (var item in Model) {
   @item.ld
      @Html.DisplayFor(modelItem => item.Id)
     @Html.DisplayFor(modelItem => item.Name)
     @Html.DisplayFor(modelItem => item.City)
     @Html.DisplayFor(modelItem => item.Gender)
     @Html.ActionLink("Edit", "Edit", new { /* id=item.PrimaryKey */ }) |
      @Html.ActionLink("Details", "Details", new { /* id=item.PrimaryKey */ }) |
      @Html.ActionLink("Delete", "Delete", new { /* id=item.PrimaryKey */ })
```

Advantages of using Strongly Typed View in ASP.NET Core MVC Application:

- We will get the following advantages when we use a strongly typed view in the ASP.NET Core MVC application.
 - It will provide compile-time error checking, as a result, we will get the intelligence support.
 - With intelligence support, the chances of mis-spelling the properties and making typographical errors are almost zero.
 - ▶ If we misspell the property name, then it comes to know at compile time rather than at runtime.
 - ► The best and preferred approach in ASP.NET Core MVC to pass data from a controller action method to a view is by using a strongly typed model object.
- ▶ In our example, we are still using ViewBag to pass the Header and Title from the Controller action method to the View. Then definitely the question that comes to you mind is how we will pass the Header and Title to a strongly typed view. Well, in such scenarios we need to use a view specific model which is called View Model.

Thanks