Performance Task
ASP.NET Core Demo Web Application

Objective:

At the end of the exercise, the students should be able to:

▪ Create a simple web application using ASP.NET Core with implemented Bootstrap 5 framework

Software Requirement:

▪ Visual Studio Community 2022 or higher

Procedure (30 points)

1. Open Visual Studio 2022 and create a new project.

2. In the *Create new project* panel, search for the **ASP.NET CORE Web Application**.

3. Type the project name in this format: *PT_LastName_FirstName*.

4. After the configuration, Select Framework **.NET 6.0 (Long Term Support)**, Authentication type **None,** and then click **Create**.
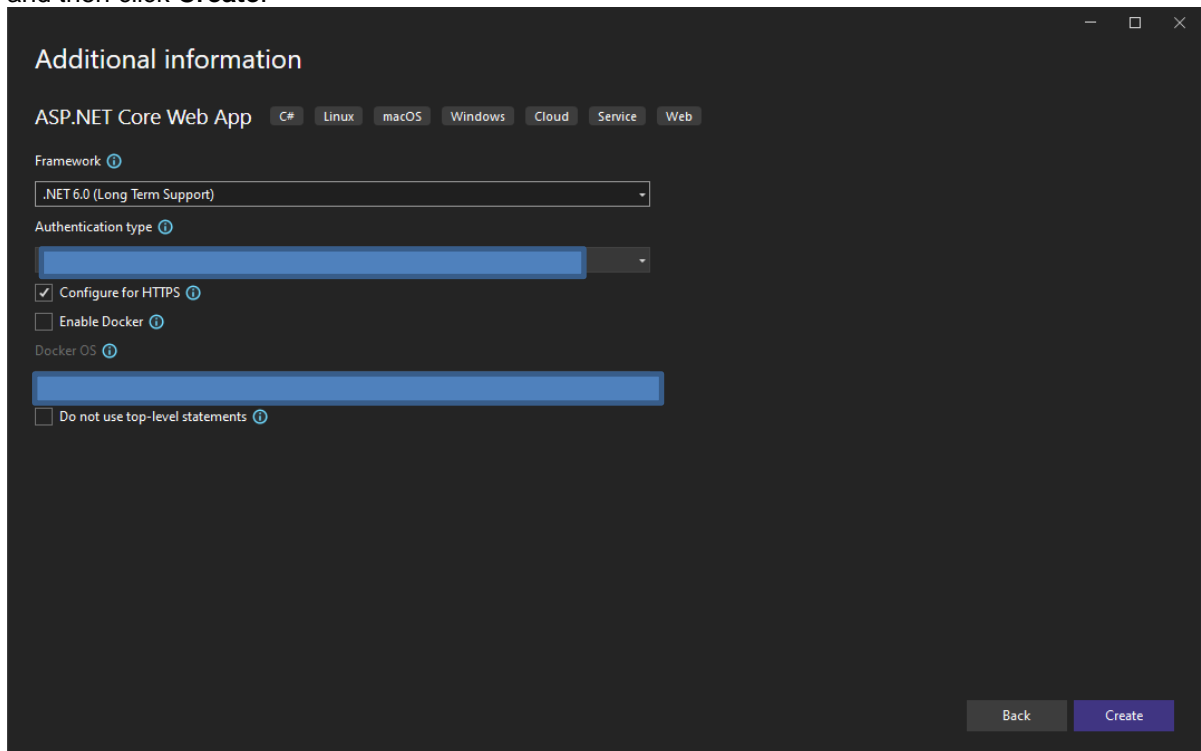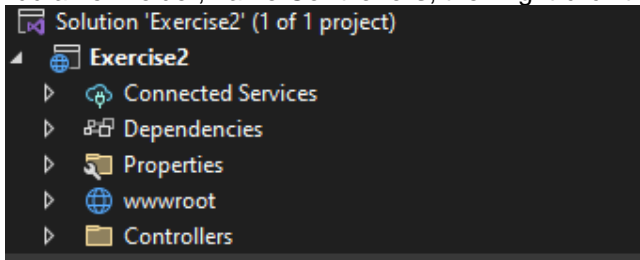

Figure 1. Additional information panel

5. In **Program.cs,** add the code below after `app.MapRazorPages().`

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

6. Add a new folder, name **Controllers**, then right-click the folder, and click **Add** > **Controller…**

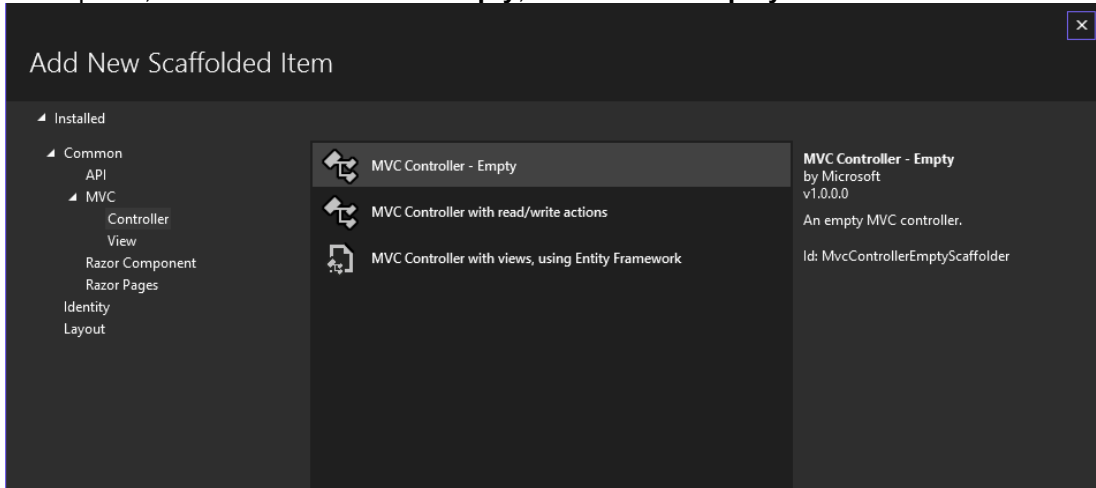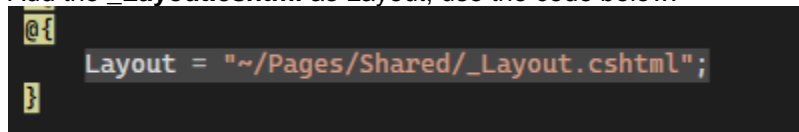7. In the panel, click **MVC Controller - Empty**, then name it **EmployeeController**.

Figure 2. Add New Scaffolded Item

8. In **EmployeeController.cs** > **Index()** method, right-click and then click **Add View** > select **Razor View – Empty,** name it **Index.cshtml**.

9. In folder Views > Employee > **Index.cshtml**
    a. Add the **_Layout.cshtml** as Layout, use the code below.


```
@{
    Layout = "~/Pages/Shared/_Layout.cshtml";
}
```

    b. Add **<h1>List of employee</h1>** tag with a class of *d-flex justify-content-center*
    c. Create a **table** after **<h1></h1>** tag, use the `class="table"` for tag **<table></table>.** Use a different set of employee names. Provide a screenshot of the table.

10. Add a new Controller name **MovieController,** then click **Add View > Razor View – Empty,** name it **Index.cshtml**.

11. In folder Views > Movie > **Index.cshtml**
    a. Use the **_Layout.cshtml** as layout.
    b. Add <h1>List of movies</h1>, and should be align center.

c. Create a **table,** use the `class="table table-striped"` for tag <table></table>. Use a different set of movie names. Provide a screenshot of the table.

12. In folder Pages > Shared > **_Layout.cshtml**

a. Add a new navigation bar link for the employee page, use the code below and append it after the **Privacy** link.

```
<li class="nav-item">
    <a class="nav-link text-dark" asp-controller="/Employee">List of Employees</a>
</li>
```

b. Add a new navigation bar link for the movie page, use the code below, and append it after the **List of Employee** link.

```
<li class="nav-item">
    <a class="nav-link text-dark" asp-controller="/Movie">List of Movies</a>
</li>
```


13. Provide the screenshot showing the navigation list. Inform your instructor once you are done.

GRADING RUBRIC:

Criteria	Excellent (4)	Good (3)	Fair (2)	Poor (1)	Score
Completeness (x5)	The student completed **all** the steps.	The student **missed some** steps.	The student **missed most** of the steps.	The exercise is **unfinished**.	/20
Requirement (x3)	The student submitted **all** the screenshots.	The student submitted **two (2)** screenshots.	The student submitted **one (1)** screenshot.	The student **did not** submit.	/12
Correctness (x2)	The student **correctly** added the navigation bars.	The student **acceptably** added the navigation bars.	The student **incorrectly** added the navigation bars.	The student **did not** add any navigation bar.	/8