Laboratory Exercise
Demo Web Application (ASP.NET Core)

Objective:

At the end of the exercise, the students should be able to:
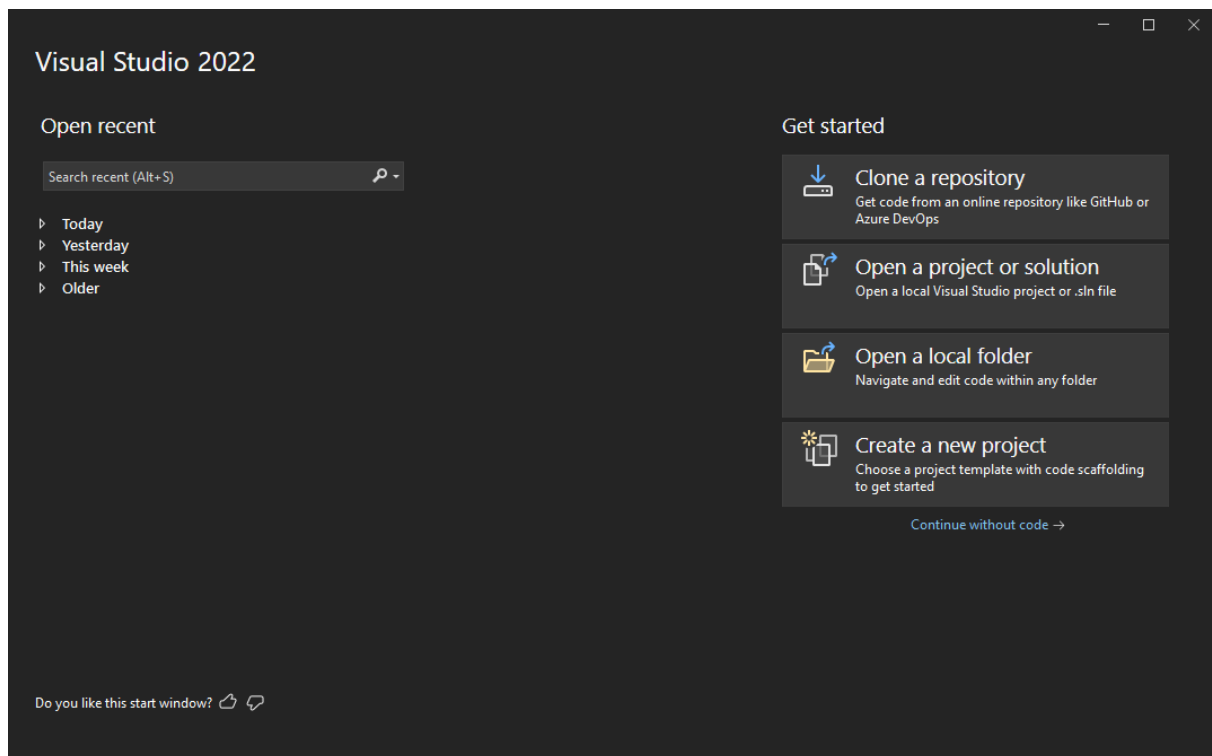
- Create a simple web application using ASP.NET Core.

Software Requirement:
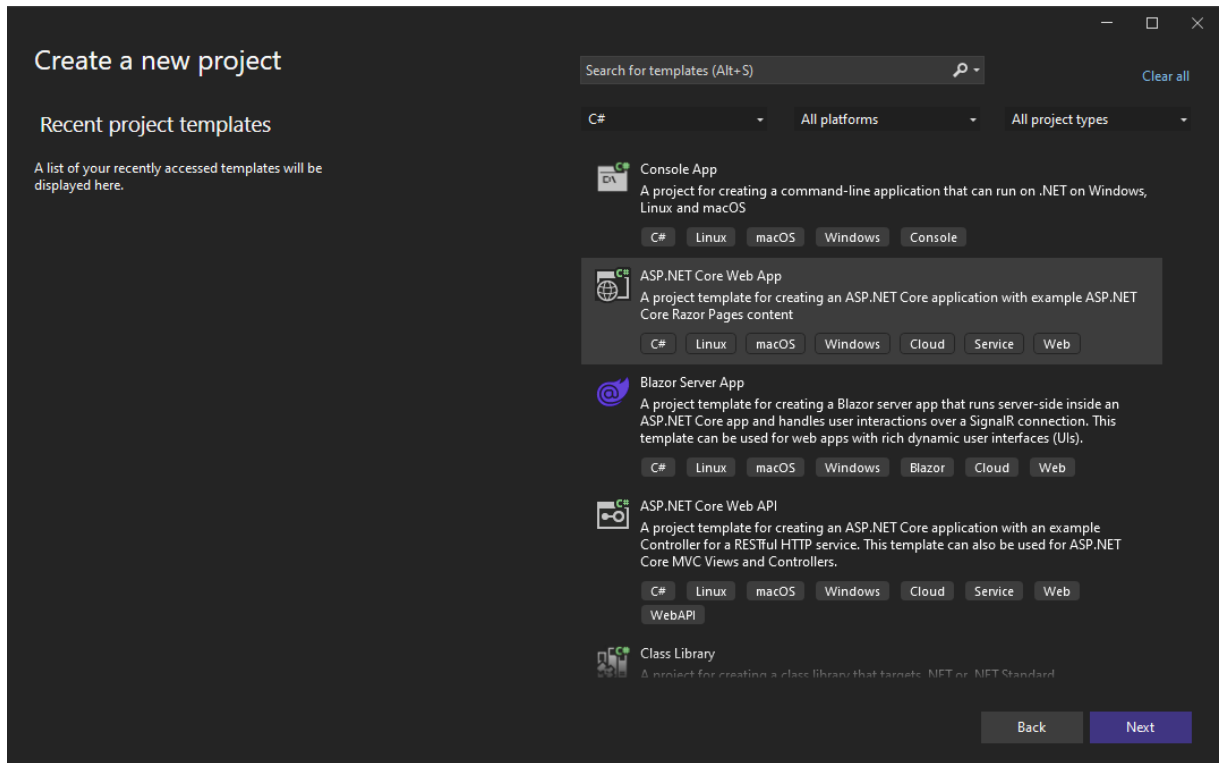
- Visual Studio Community 2022

Instructions: (40 points)

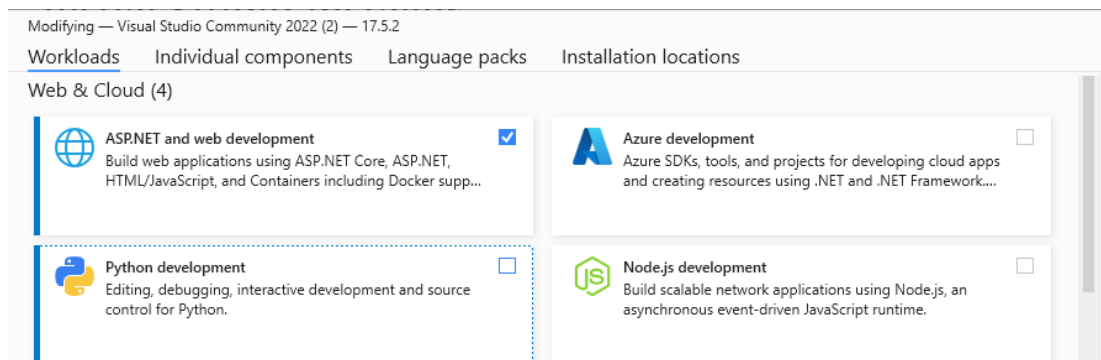1. Open Visual Studio 2022 and create a new project.

Figure 1. Visual Studio panel

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

Figure 2. Create a new project panel

a. If **ASP.NET CORE Web Application** is not visible, open the *Visual Studio Installer*, Click **Modify**. Make sure the **ASP.NET and web development** checkbox is ticked.

***Figure 2*.a** Visual Studio installer panel

3. Type the project name in this format: *MyFirstWebApp_LastName_FirstName.* Check the "**Place solution and project in the same directory**," then click **Create**.
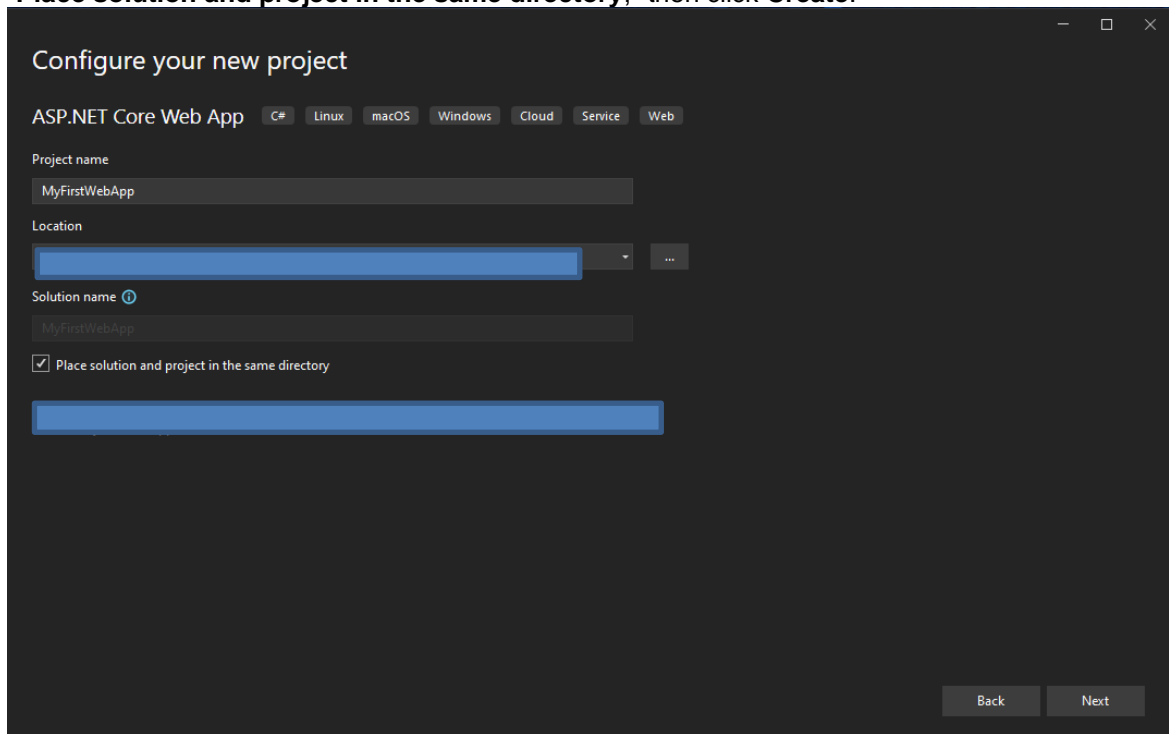

Figure 3. Configuration

4. After the configuration, Select Framework **.NET 6.0 (Long Term Support)**, Authentication type **None,** and then click **Create**. Provide a screenshot of the default website.
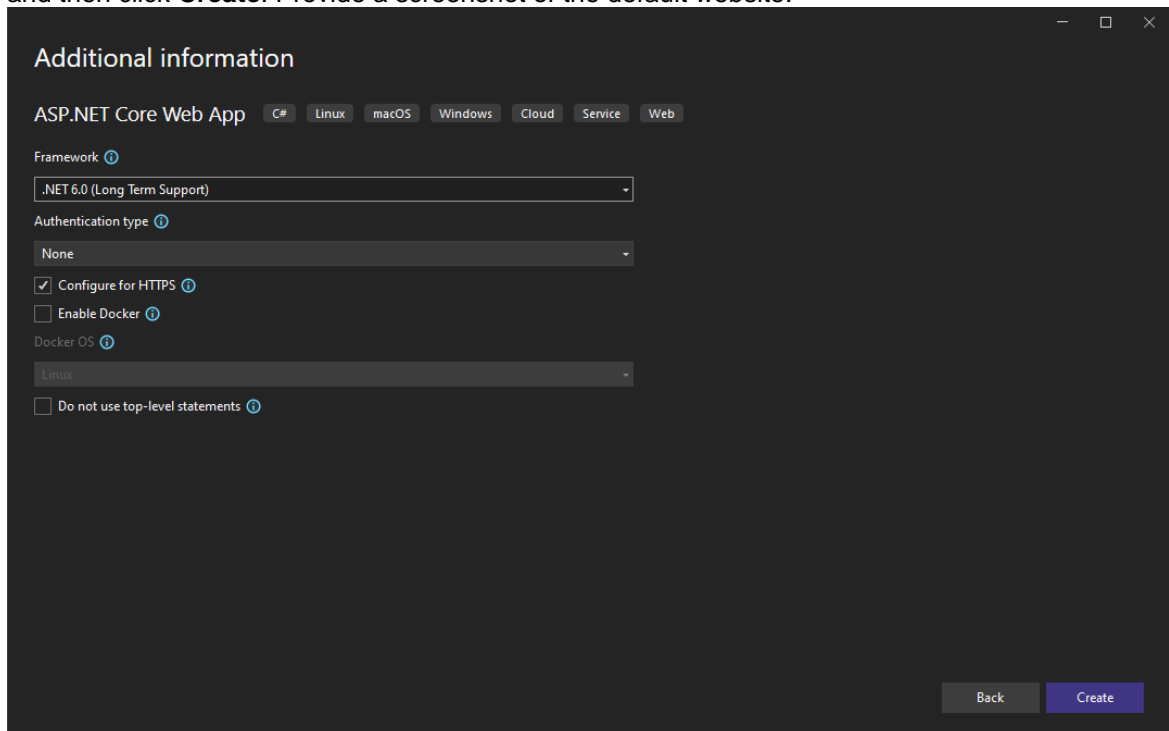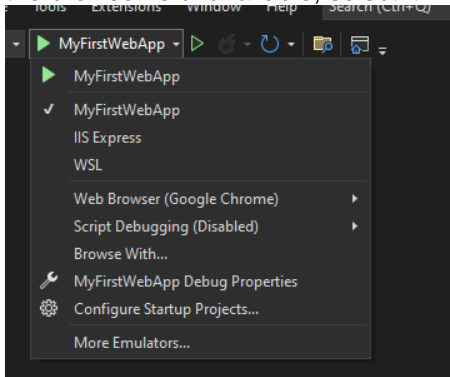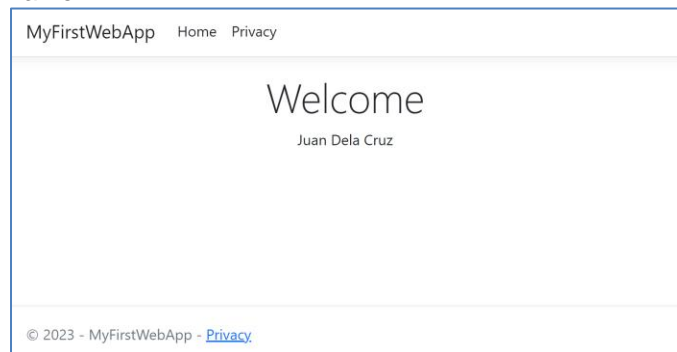

Figure 4. Additional information panel

5. Run the default web app (Press F5). Make sure to select either Google Chrome or Mozilla Firefox. If the browser is unavailable, select it manually by selecting **Browse With…**
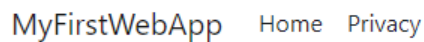

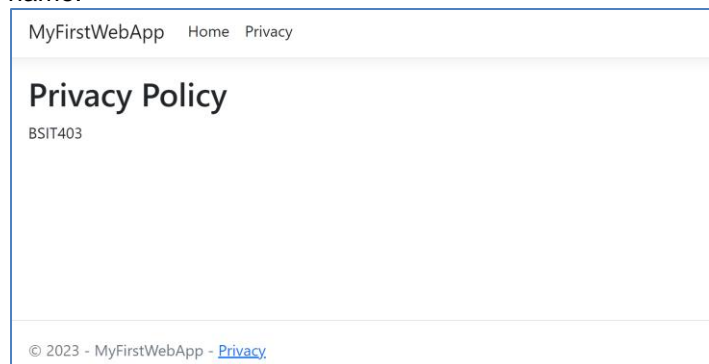6. Customize the web application's content by editing the following `.cshtml` files.

- `Index.cshtml`
  - Change the **Learn about building Web apps with ASP.NET Core** text to your full name.
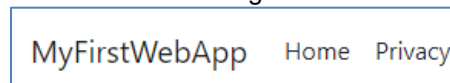

  - To validate the changes on the website, click **Home**. Screenshot your output.

- `Privacy.cshtml`
  - Change the **Use this page to detail your site's privacy policy** text to your section name.

  - To validate the changes on the website, click **Privacy**. Screenshot your output.

7. 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** customized the .cshtml files.	The student **acceptably** customized the .cshtml files.	The student **incorrectly** customized the .cshtml files.	The student **did not** customize the .cshtml files.	/8