Deployment Portfolio Task 3

SWE40006 – SOFTWARE DEVELOPMENT AND EVOLUTION

SUMMER – 2024 SUBMITTED ON 16th OF JUNE

Student and Lecturer Details

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Self-Assessment Details

Declaration ò task level attempted (P/C/D/HD)

	Pass	Credit	Distinction	High Distinction
Self-Assessment				✓

	Included & attempted
Task 3.1: Pass	✓
Task 3.2: Credit	✓
Task 3.3: High Distinction	✓

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Assignment Report

Task 3.1P:

3.1A. Create Azure account

As I already have an Azure account from previous courses and project, there is nothing to do for this task.

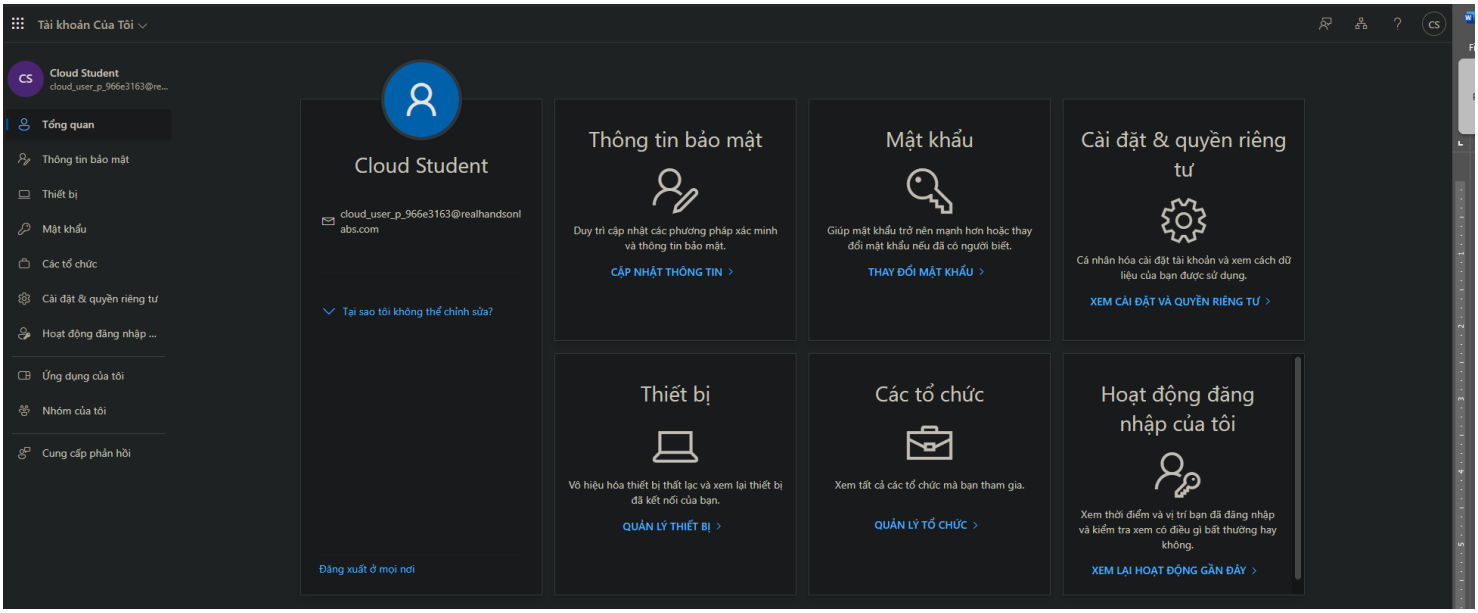

Figure 1: Azure account.

3.1B. Install visual Studio

Similar to the above task, I have already had Visual Studio installed when doing the first portfolio assignment, therefore, there is nothing to do.

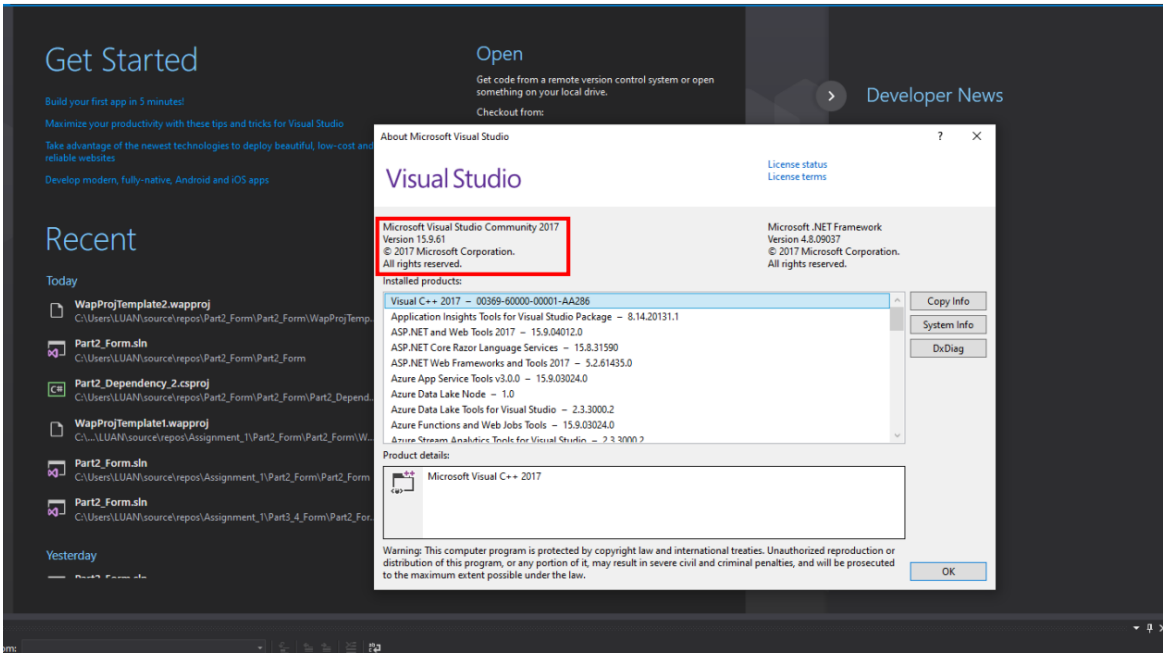

Figure 2: Visual Studio 2017 installed.

3.1C. Deploy any existing app to cloud via Azure

For this task, I will deploy a simple C# web application onto Azure Cloud Environment.

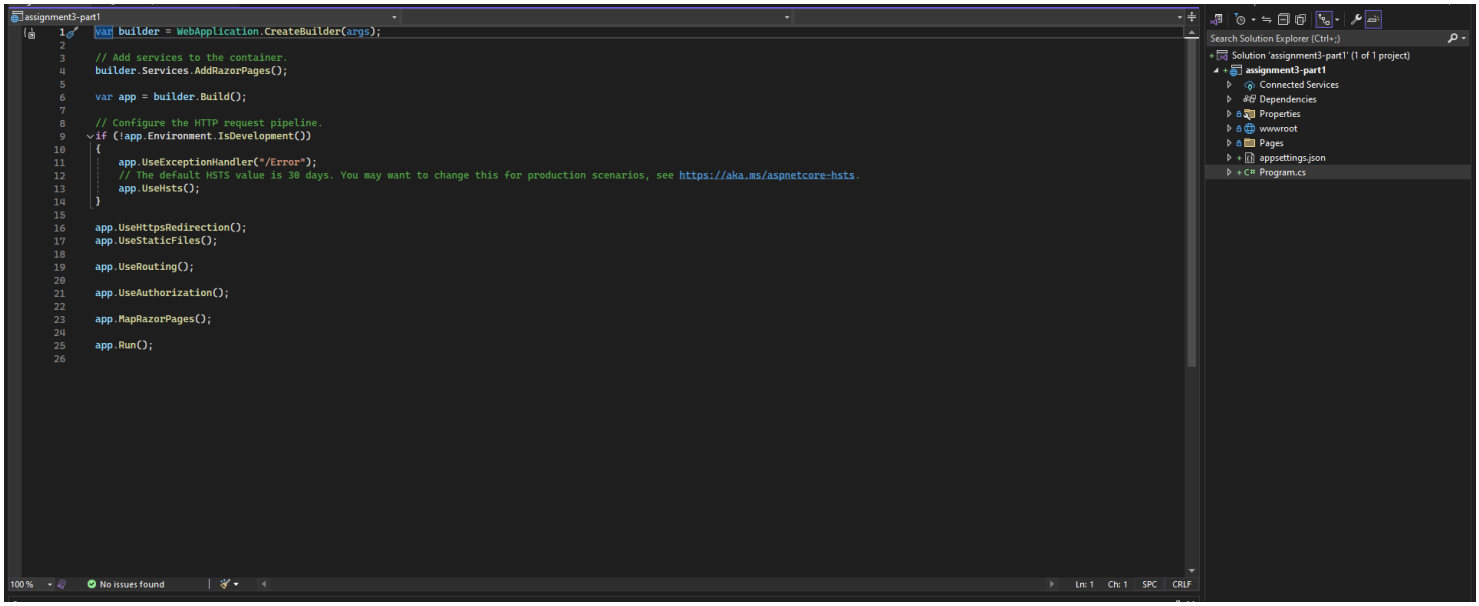

Figure 3: C# Web application.

After that I will provision a webserver for our application:

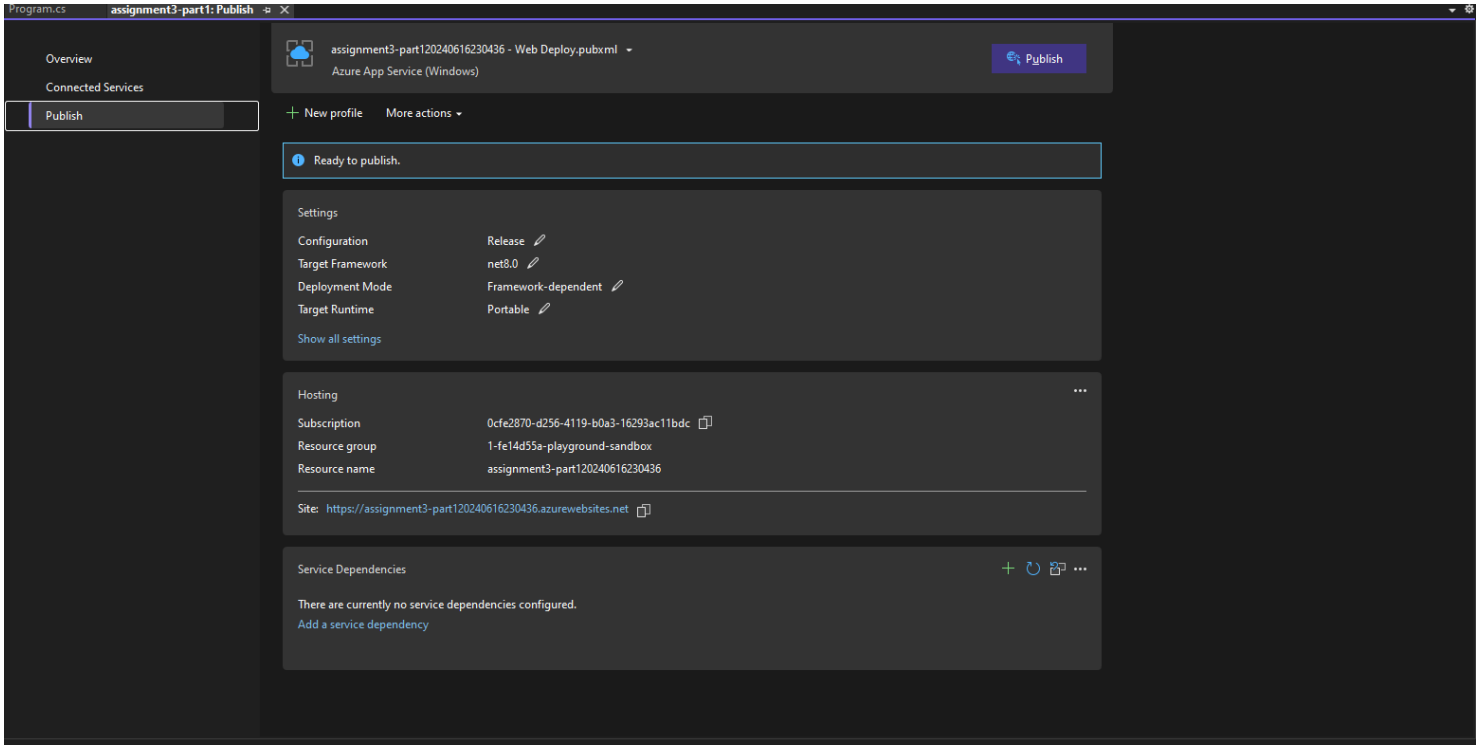

Figure 4: Web server successfully provisioned.

Finally, I will publish my application onto Azure Cloud.

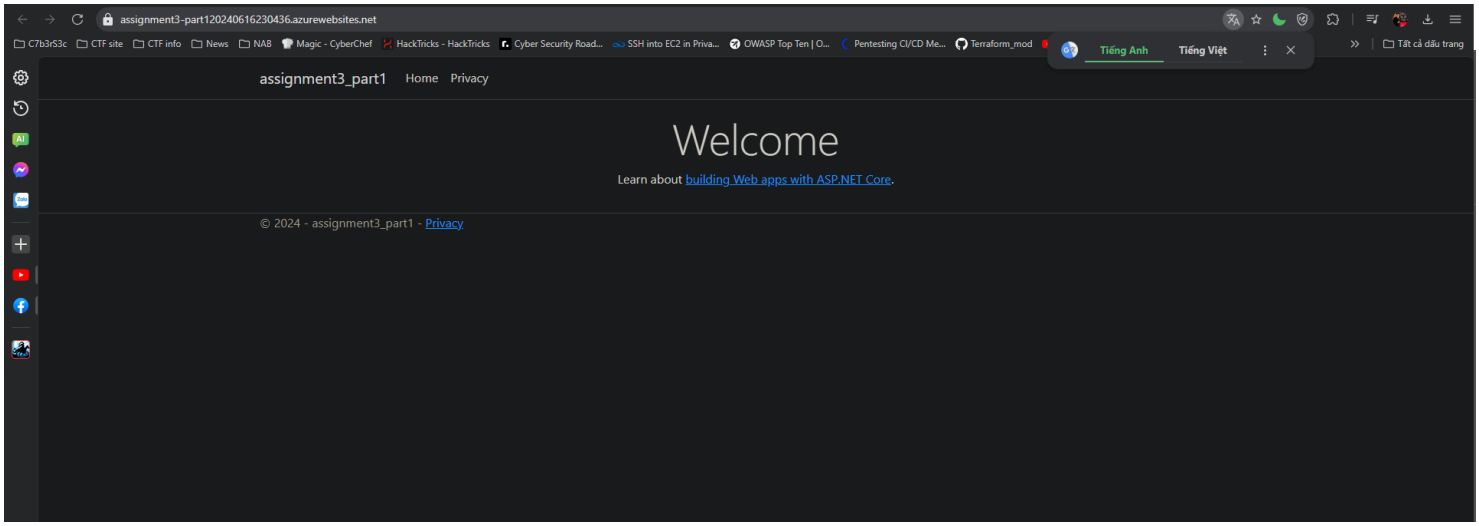

Figure 5: Application successfully published

This will also conclude the first task of this assignment.

Task 3.2C:

3.2A. Deploy an existing app to cloud via Azure

For this task I will create a C# counter application and deploy it onto Azure cloud.

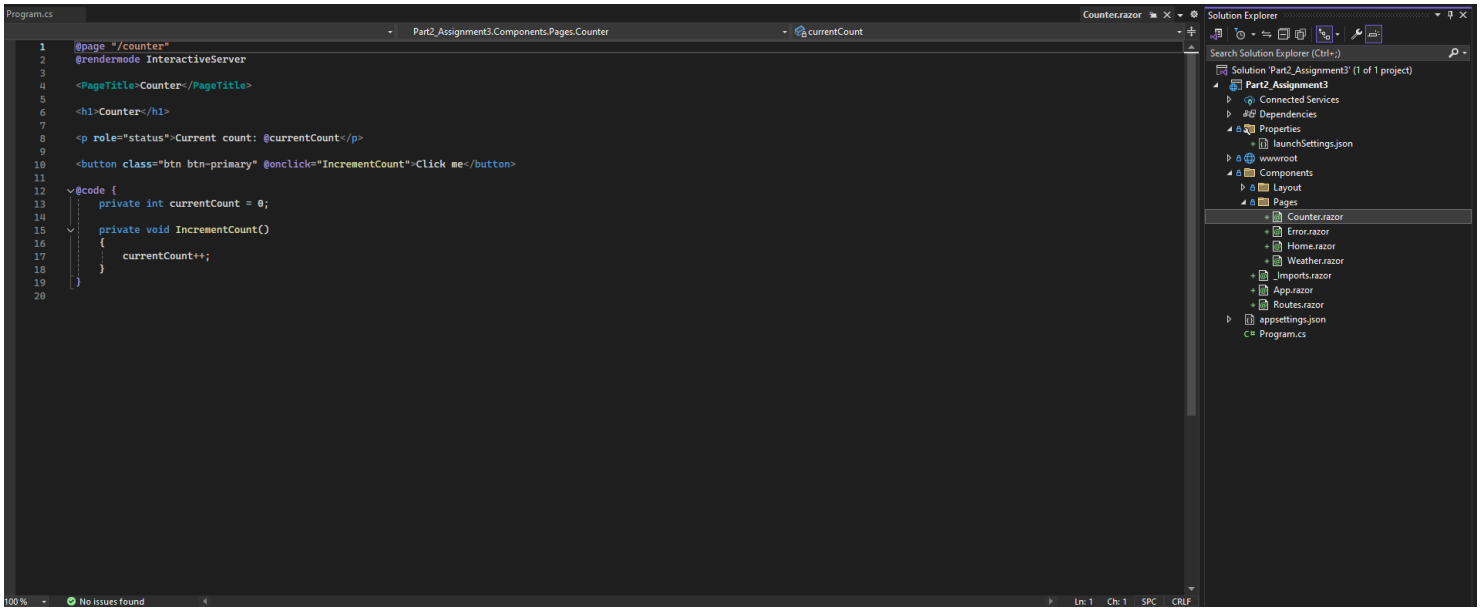

Figure 6: C# Counter application.

We can check the application on the local host of our computer.

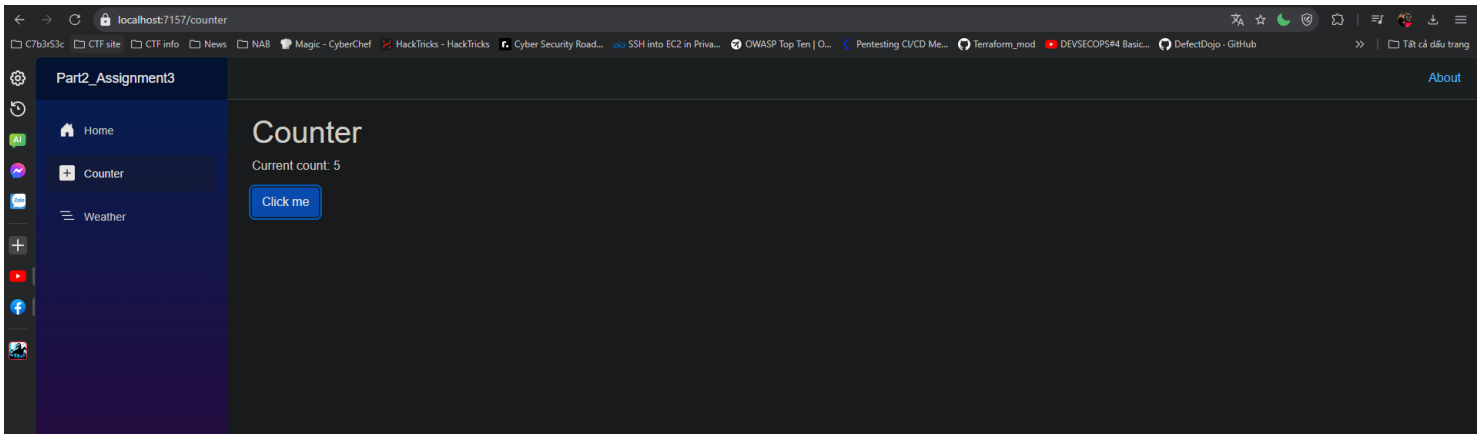

Figure 7: C# counter working on localhost

Next, we will publish this application on to the webserver of Azure Cloud.

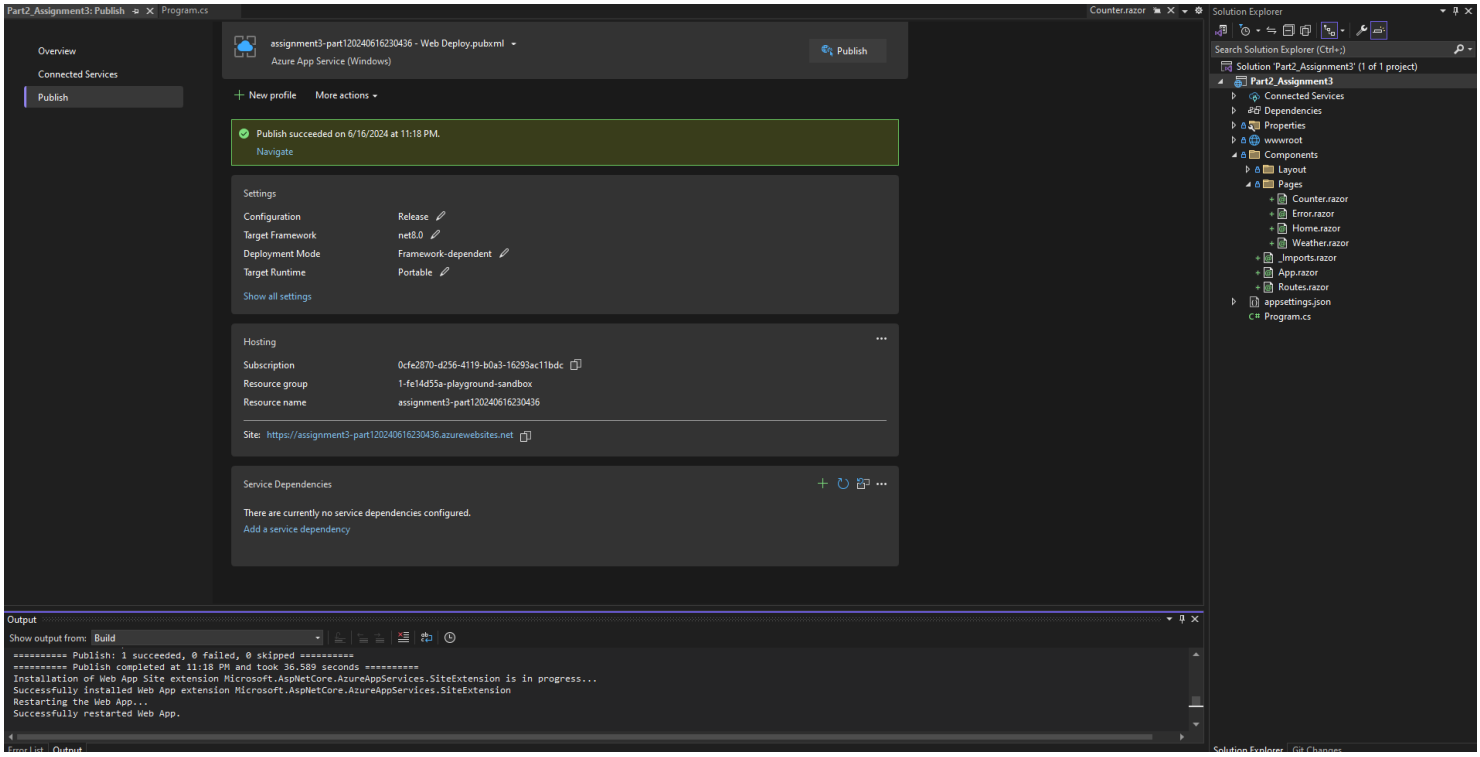

Figure 8: C# counter application successfully published.

We can then browse onto our web application to see if it is working correctly.

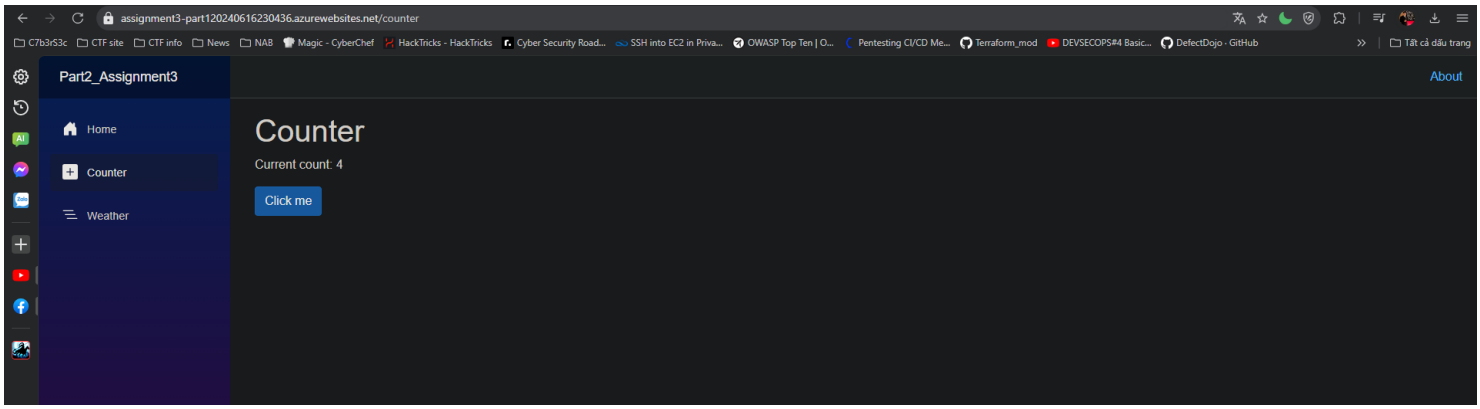

Figure 9: Web application works correctly on Azure Cloud Server.

3.2B. Deactivate web application

We can deactivate our application on the Azure GUI as shown in the figure below:

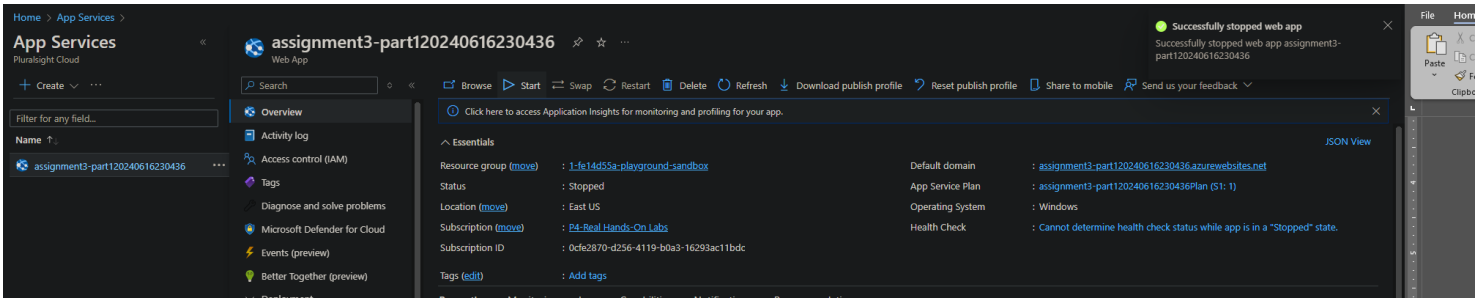

Figure 10: Azure application deactivated

We can also check this by browsing our applications.

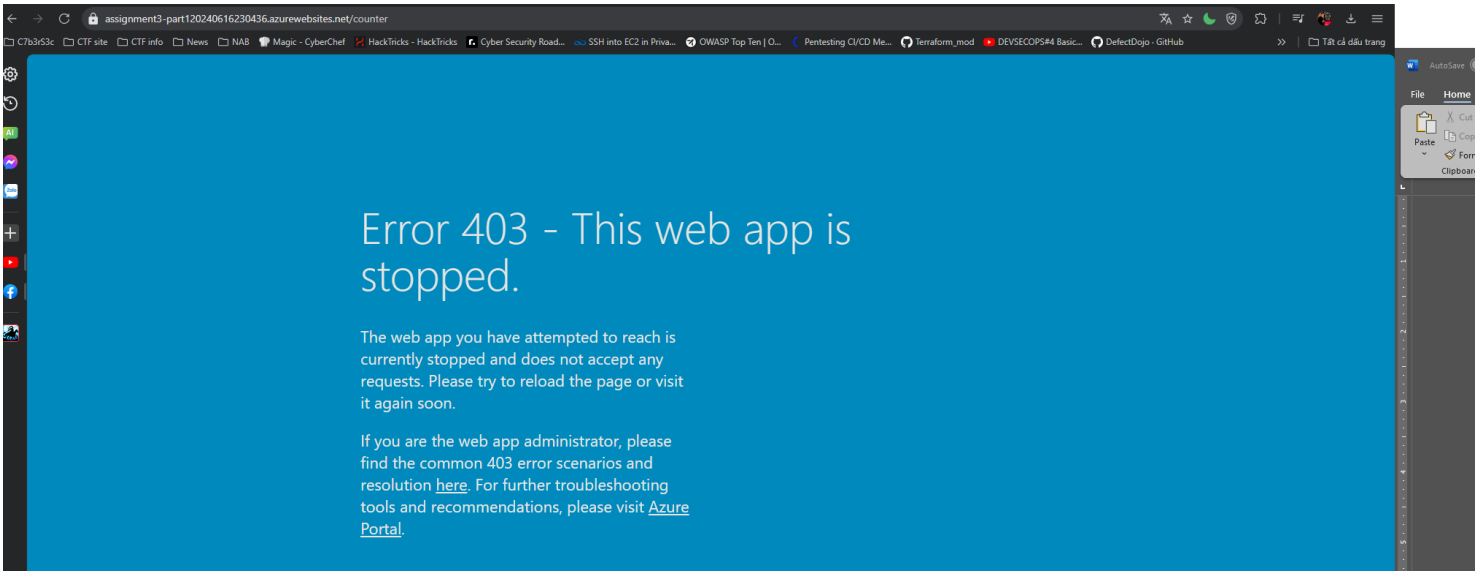

Figure 11: Web application deactivated

As our application has been stopped, we can confirm that our tasks have been completed. This will also conclude the second task of this assignment.

Task 3.3HD:

3.3A. Deploy an PHP web application to Azure Cloud Environment

For this task I will use Visual Studio Code to write a simple PHP application and deploy it onto Azure, there is no need to transfer files between two different IDEs. The application will only be a simple “Hello-World” PHP and PHP information application.

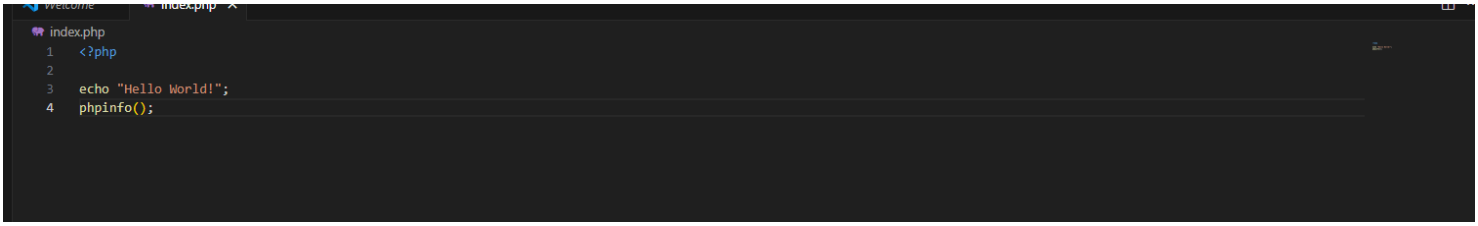

Figure 12: Simple PHP web application

I will then create a new web server and deploy my code onto it.

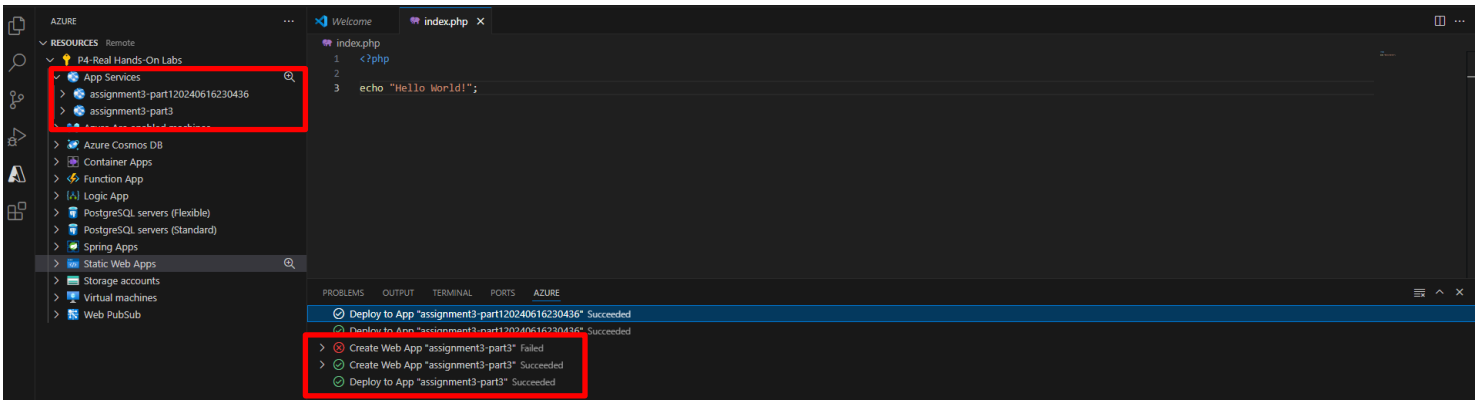

Figure 13: Web server successfully created and deployed

We can then browse our website to see if it works as expected.

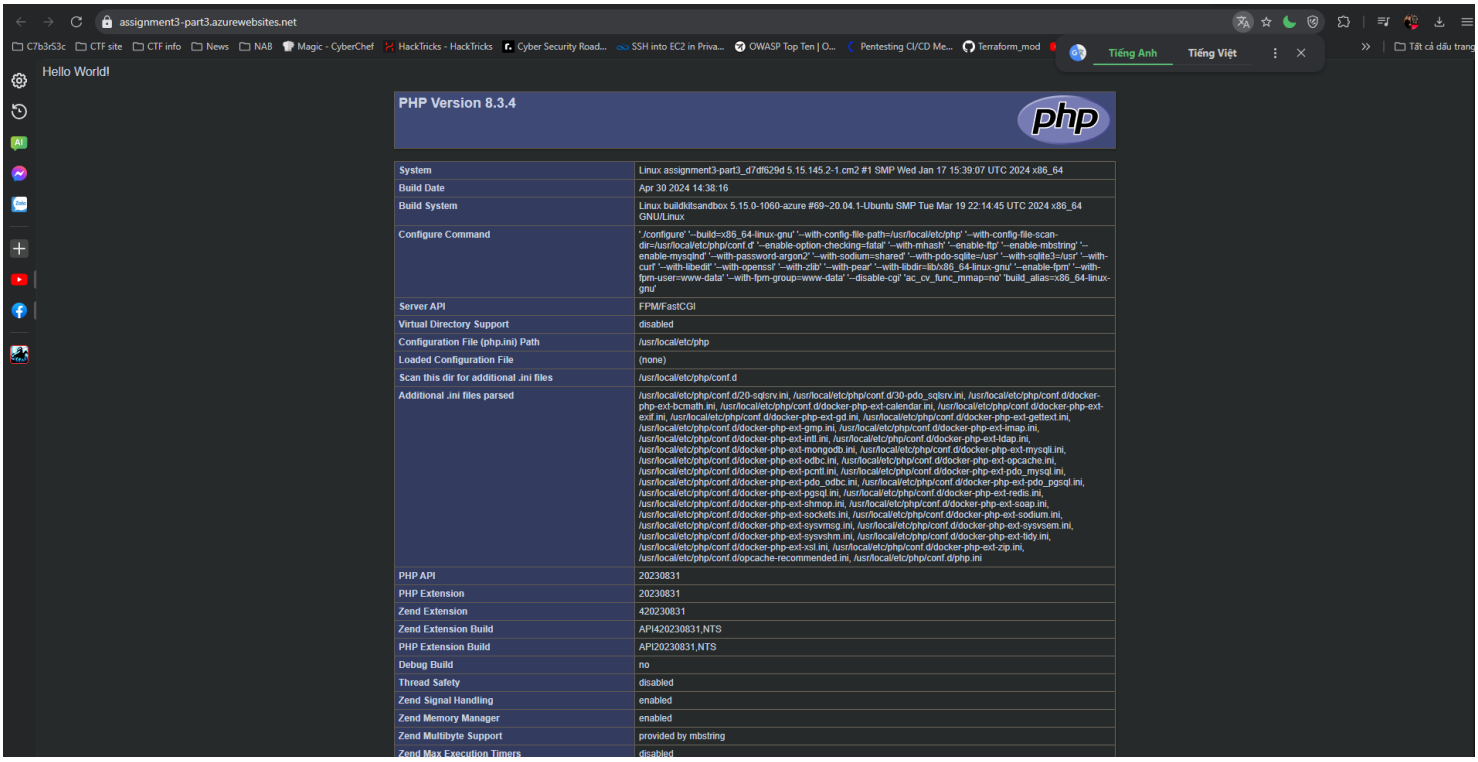

Figure 14: PHP application work successfully

This will also conclude the final task of assignment 3.

Resources:

The code and configuration files of this assignment can be found here via this link