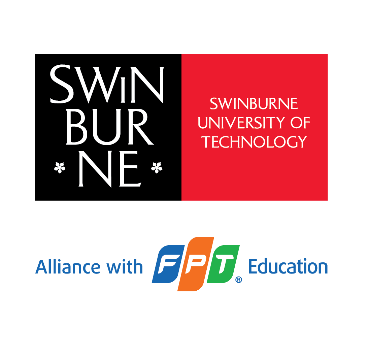
**SWINBURNE VIETNAM**

**HO CHI MINH CAMPUS**



**Class: COS40006**

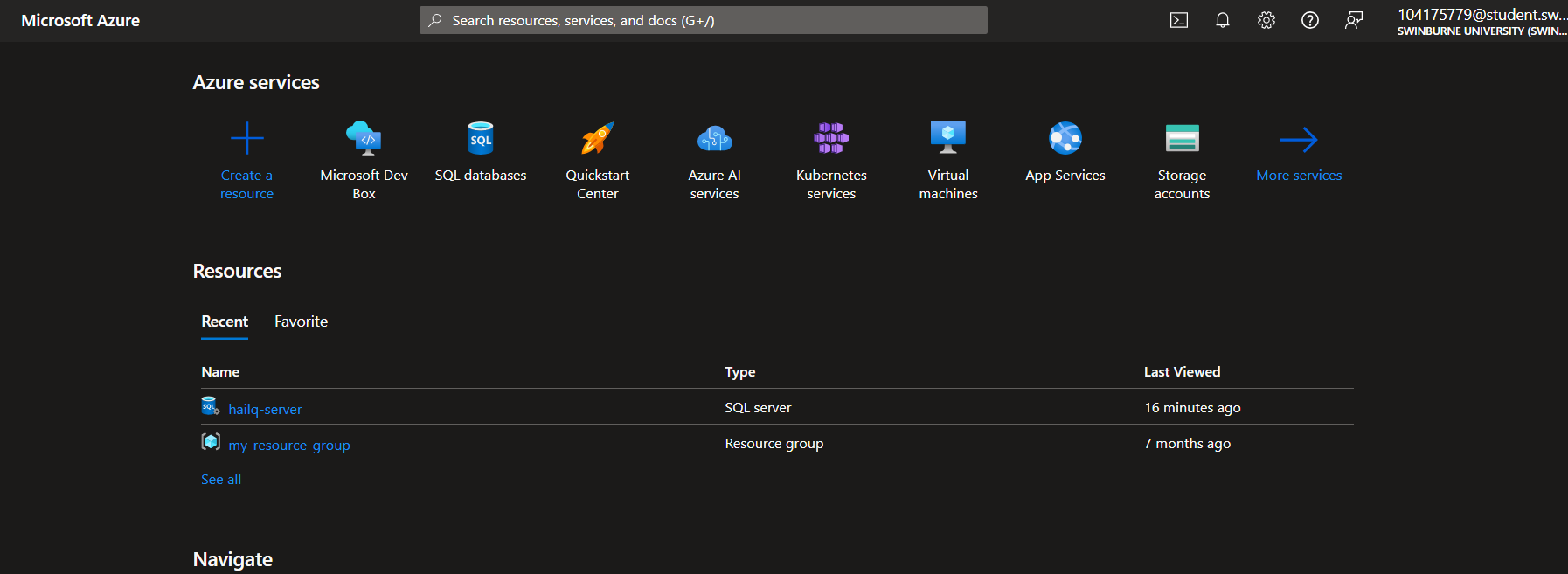
**Deployment Portfolio Task 3**

**Instructor: Dr. Thomas Hang**

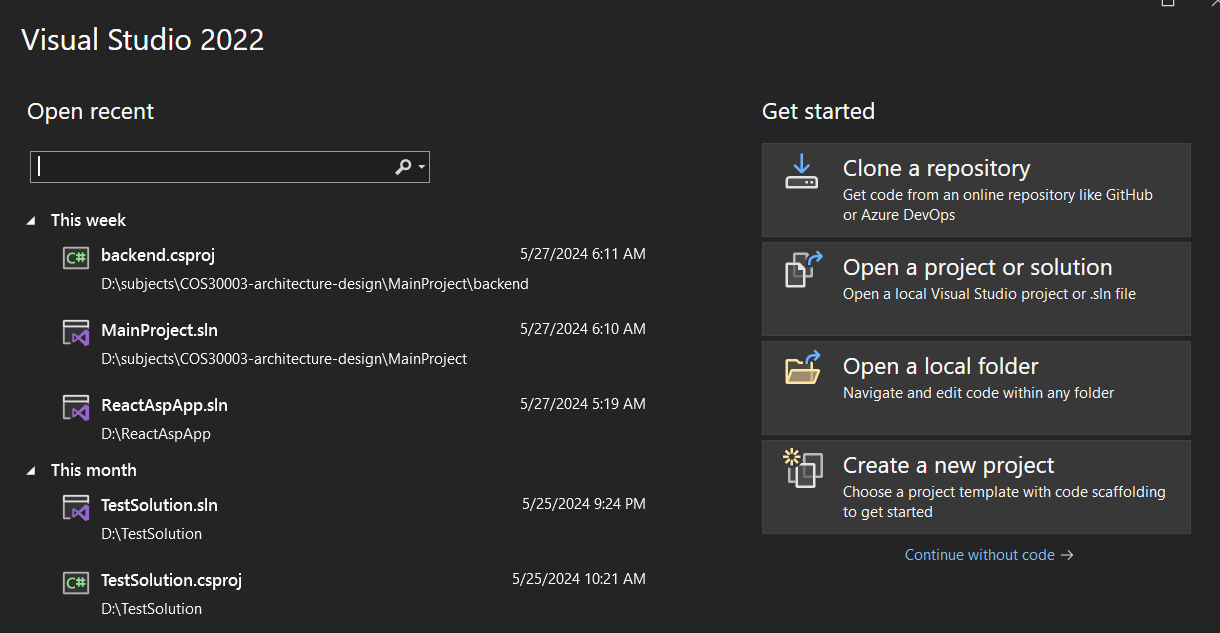
**Student names: Le Quang Hai**

# Task 3.1 Pass:

## Create Azure account



## Install visual Studio



## Deploy any existing app to cloud via Azure

For simplicity we will test on a static web app

A screenshot of a computer

Description automatically generated

### Create a resource group

Enter subscription, name, region

A screenshot of a black screen

Description automatically generated

Review and create

A screenshot of a computer

Description automatically generated

Create successfully

A screenshot of a computer

Description automatically generated

### Create a new app service plan to be used in the new web app

Select the subscription, group resource, operation system, machine type, region and tier

A screenshot of a black screen

Description automatically generated

Review and create

A screenshot of a service plan

Description automatically generated

Create successfully

A screenshot of a computer

Description automatically generated

### Create the new web app

Select subscription, resource group (created from above screenshots), name, and source code location

A screenshot of a web application

Description automatically generated

Open a new tab, go to GitHub and create a DemoCode repository containing an index.html file with contain as below

A screenshot of a computer

Description automatically generated

Back to web app creation, select the repository to deploy

A screenshot of a computer

Description automatically generated

Select region

A screenshot of a computer

Description automatically generated

Review configuration before creation

A screenshot of a computer

Description automatically generated

Web application on deployment, waiting …A close-up of a computer screen

Description automatically generated

Web application deployed successfully

A white background with black text

Description automatically generated

Go to resource

A screenshot of a computer

Description automatically generated

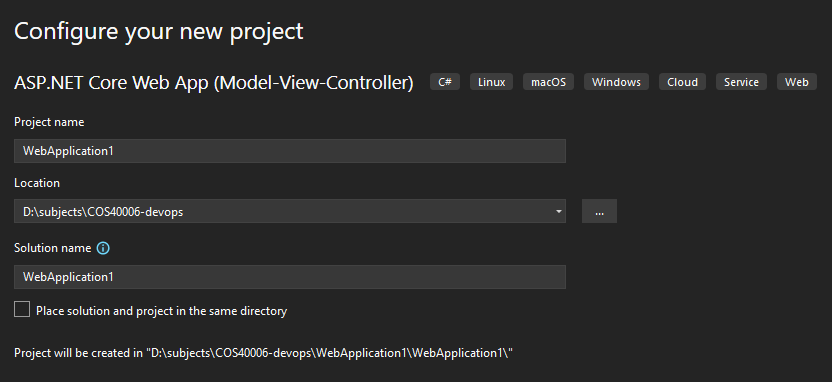
Visit the website that we deployed

A screenshot of a computer

Description automatically generated

# Task 3.2 Credit

From Visual Studio, create an ASP.NET Core Web App Project



Verify the ASP.NET Core Web App created successfully

A screenshot of a computer

Description automatically generated

Right click the project and select “publish”

A screenshot of a computer

Description automatically generated

In the select window, select "Azure App Service for Windows”

A screenshot of a computer

Description automatically generated

Log in with your Azure account

A screenshot of a computer

Description automatically generated

Create a hosting plan from within the publish

A screenshot of a computer program

Description automatically generated

Now we have configured to create a Windows App Service in a new resource group named COS40006-ResourceGroup and with COS40006-HostingPlan hosting plan

A screenshot of a computer program

Description automatically generated

Click create, waiting … After finishing, we can go to Azure portal console web platform to verify the success creation of the resources

A screenshot of a computer

Description automatically generated

We verify from Visual Studio and click ‘Finish’

A screenshot of a computer

Description automatically generated

Done publishing app

A screenshot of a computer

Description automatically generated

By default the app service deploy a default page by Microsoft, to make the app deploy my own app, click “publish” and wait

A screenshot of a computer

Description automatically generated

We successfully deployed the ASP.NET Core Web App to Azure App Service using Visual Studio

A screenshot of a computer

Description automatically generated

We **deactivate** the service (we cannot achieve similar result by interacting with the Azure console)

A screenshot of a computer

Description automatically generated

Verify that the app has been deactivated

A close up of a number

Description automatically generated

Get back to the same domain url

A blue screen with white text

Description automatically generated

# Task 3.2: HD

## Install PHP on Visual Studio

Open Visual Studio, instead of opening an existing project or creating new one, click on “Continue without code”

A screenshot of a computer

Description automatically generated

Go to “Extension” 🡪 “Manage extension”

A screenshot of a computer

Description automatically generated

Search for PHP Tools for Visual Studio and install it

A screenshot of a computer

Description automatically generated

Close Visual Studio window so that the installer can run automatically

A screenshot of a computer

Description automatically generated

Verify success installation

A screenshot of a computer

Description automatically generated

Now we can create a PHP web application in Visual Studio

A screenshot of a computer program

Description automatically generated

## Develop a web application

We create another GitHub repository with a Hello World code in the index.php file

A screenshot of a computer

Description automatically generated

## Transfer files to visual studio

We use git clone command to obtain the code from the GitHub repository created above to our local folder

A computer screen with white text

Description automatically generated

Open Visual Studio, click “Create new project” 🡪 “PHP project from existing code”

A screenshot of a computer program

Description automatically generated

We specify location of the code we have just cloned from remote

A screenshot of a computer program

Description automatically generated

We have successfully created a PHP from the pre-created PHP project

A screenshot of a computer

Description automatically generated

## Deploy app to cloud via Azure

Go to Azure console and create another new Web App, this time select PHP 8.3 for run-time environment

A screenshot of a computer

Description automatically generated

Select the deployment GitHub settings

A screenshot of a computer

Description automatically generated

Review setup before creation

A screenshot of a computer

Description automatically generated

Waiting for the auto-deployment

A screenshot of a computer

Description automatically generated

Deployment succeeds

A screenshot of a computer

Description automatically generated

A black screen with white text

Description automatically generated

Navigate to the domain to enter the PHP page

A screenshot of a computer

Description automatically generated