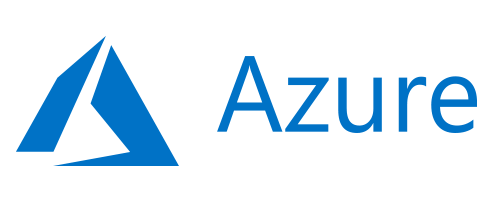
**CS 504 – Software Engineering**

**HOP10A – Cloud Computing with Microsoft Azure**

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**Before You Start**

* Version numbers may not match with the most current version at the time of writing. If given the option to choose between stable release (long-term support) or most recent, please choose the stable release rather than beta-testing version.
* This tutorial targets Windows users and MacOS users.
* There might be subtle discrepancies along the steps. Please use your best judgement while going through this cookbook style tutorial to complete each step.
* For your working directory, use your course number. This tutorial may use a different course number as an example.
* The directory path shown in screenshots may be different from yours.
* If you are not sure what to do or confused with any steps:
  1. Consult the resources listed below.
  2. If you cannot solve the problem after a few tries, ask a TA for help.

**Learning Outcomes**

Students will be able to:

* Understand basic concepts of Cloud Computing and Microsoft Azure
* Sign up for a free Azure student account.

**Resources:**

* Microsoft | ASP .NET - <https://dotnet.microsoft.com/apps/aspnet>

**Cloud Computing and Microsoft Azure**

Cloud computing is the delivery of different services through the Internet, including data storage, servers, databases, networking, and software. Cloud-based storage makes it possible to save files to a remote database and retrieve them on demand.

Microsoft Azure, commonly referred to as Azure (/ˈæʒər/), is a cloud computing service created by Microsoft for building, testing, deploying, and managing applications and services through Microsoft-managed data centers.

More about Cloud Computing and Azure: <https://azure.microsoft.com/en-us/overview/what-is-cloud-computing/>

**Sign up for a free Azure student account**

**If you already have an Azure account, proceed to HOP10B.**

1. Go to <https://azure.microsoft.com/en-us/free/students/> , click on “Activate Now” button

Graphical user interface, text

Description automatically generated

1. You will be redirected to another page, to sign in, click “Create one” to create a new account:

Graphical user interface

Description automatically generated

1. In the Create Account window, put in your **CityU email address** (you must use a student email address to get a free account)

Graphical user interface, website

Description automatically generated

1. Keep filling the information asked of you (password, birthday, etc.) to finish signing up for your account, then you will be redirected to another website where you should see a similar window:

Graphical user interface, text, application

Description automatically generated

1. Put in your information for all required fields to finish signing up for the Azure student account. You should expect a confirmation email sent to your cityu email address to help you finish the signup process (Check Junk of Spam if you don’t see anything).
2. Once you have filled out all the information, agreed to terms and condition, you can click Sign In, you should see the similar window:

Graphical user interface

Description automatically generated

**Confirm the Subscription:**

1. Click on the Subscription button:

Graphical user interface, text, application, email

Description automatically generated

1. You should see your subscription listed as Azure for Student Starter:

Graphical user interface, text, application, email

Description automatically generated

You are good to go! Let’s move to HOP10B to deploy our app!

**Once you are done with this tutorial, move to HOP10B**