Faculty of Information Science & Technology

TCC 3141 - Cloud Computing

Trimester 1, 2021/22

Objectives

- To expose students to various development environments in the cloud that are conducive for developing an application.
- To prepare presentation and report that address requirements of the application.

General Information

The purpose of this project is to design and develop a simple mobile application on the cloud.

You need to create a GitHub account (https://github.com/). You will invite me as a team member. As a team, you will use the account to control the versions of your application, and to collaborate and share your progress to me.

Ideally, you are working in a group of <u>5 students</u>. In a special circumstance, you may be allowed by the subject coordinator to attempt the assignment individually but you will lose marks allocated for effective teamwork.

Please note, regardless of your group size or even as an individual attempt, you need to address all the requirements of the application.

The report will be marked as a group and any conflict within the group needs to be dealt with via consultation of your lecturer one week before the submission date. If you fail to deal with the conflict on time, the entire group will be responsible for the submission.

Your tasks:

- Enhance the BMI application (accessible here:
 https://drive.google.com/file/d/1ZvbNmo_nkaRzQCbqZLykw5YQ3Ww8rh3S/view?
 usp=sharing) that was developed using MIT App Inventor
 (https://appinventor.mit.edu/). The enhancement must include the following:
 - a. The app can record/save the BMI every time users calculate their latest BMI.
 - b. The app can display charts to show the recorded BMI using chartmaker (https://github.com/MillsCS215AppInventorProj/chartmaker).
 - c. To add one new function that is related to health monitoring.
 - d. To enhance the user interfaces of the app.
- 2. The app and all of its relevant documentation must be imported to GitHub. Please make sure that you set your working repository to private.

Useful Resources

- https://github.com/TCC3141CC/github-starter-course
- https://appinventor.mit.edu/explore/ai2/tutorials

TCC 3141 Cloud Computing

Assessment Rubric

Evaluation Item	Not	Does Not Meet	Meets	Exceeds	Points
	Demonstrated	Expectations	Expectations	Expectations	Earned
App Implementation					
 Cloud storage 	0	1	2	3	
Chart Maker	0	1	2	3	
 Enhanced user experience 	0	1	2	3	
One new function	0	1	2	3	
 Working prototype 	0	1	2	3	
					/15
GitHub					
Project file	0	1 1	1.5	2	
License	0	1	1.5	2	
Read Me	0	1	1.5	2	
Usage Manual	0	1	1.5	2	
Version control	0	1	1.5	2	
					/10
					/25
TOTAL POINTS					/10
Extra: Team Work (4%)					
Roles and tasks	0	1	1.5	2	
Experience Summary	0	1	1.5	2	
					/4
					/14
Penalty Points Late Project, Plagiarism	Plagiarism (-5 n Late submission	-			
Late Floject, Flagialisiii	Late subillission	(-1 mark for each	consecutive 24-not	11)	
				FINAL POINTS	

Remarks:			

DECLARATION: We agree that all members deserve equal marks from this assignment.

Write down the Stud ID (clearly) and signed (by all members):

1181101191 4/11/2021 **Hakimi** 1181101188 4/11/2021

1181101153 4/11/2021

1171103647 4/11/2021

1181100453 4/11/2021