**CSCI 3342/6312 – Quiz #6 (Related to your Final Project) Deadline: 3:00 pm on June 22, 2020**

*To do this quiz, you may reference anything (Internet, Assignments, Books, etc.)* ***except*** *persons* ***outside your team*** *directly or indirectly.*

**Completion: Required Submission: Required**

Last Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ First Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***1) How and what to submit?***

***Submit the following (upload in Blackboard to the available container) in ”one” PDF document (not in docx or any other format):***

***i) The certification page (see next page) should be the first page, followed by***

***ii) your solution to the problems given on this assignment.***

***One way is to copy the certification page and your solution to the problems into a Word document and then save the Word document as PDF, and upload the PDF version (not docx version). Only the PDF version will be graded.***

***2) Only ONE upload attempt is allowed: Before submitting a document through Blackboard, you should review the document being uploaded to make sure that you are uploading the correct document (e.g. do not upload the assignment belonging to another course). To help you prevent uploading wrong documents, notes (titled “HelpOnSubmissionThroughBlackboard” on how to save & review drafts before final submission have been uploaded under Reference Material folder.***

**Certification Page**

*This page must be the first page of your uploaded document.*

*Your assignment will not be graded without this page (completed with your full name in the area provided) as the first page of your uploaded document.*

I, ***\_\_\_\_Ulvi Bajarani\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***, certify that the work I am uploading represents efforts of my team member and mine per the following task-contribution table, and is not copied from anyone else or any other resource (such as Internet).

**Team Task/Subtask Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | *Tasks for this quiz* | Percent contributed | Percent contributed | Total percent |
| # | *Subtask* Description | Ulvi Bajarani | Gwendolyn Poulos |  |
| 1 | Design & create DB tables in PaaS | 50% | 50% | 100% |
| 2 | Create DB tables in PaaS | 50% | 50% | 100% |
| 3 | Populate DB tables with "example" data. | 50% | 50% | 100% |
| 4 | Implement Android App screen (labels & SwitchCompats) to show status of the sensors & actuators | 50% | 50% | 100% |
| 5 | Implement sensors (SW1, SW2, . . .) and actuators (LED1, LED2, . . .) on breadboard and test their functionality with RPi ***locally*** | 50% | 50% | 100% |
| 6 | Interface & test the functionality of sensors and actuators between DB tables & RPi | 50% | 50% | 100% |
| 7 | ***Simulate*** the functionality of ***SwitchCompats*** between DB tables & Android using RPi. | 50% | 50% | 100% |
| 8 | Program Android App to interact with DB tables in PaaS | 50% | 50% | 100% |
| 9 | Test interaction between Android App and RPi through DB tables in PaaS | 50% | 50% | 100% |
| 10 | Design website | 50% | 50% | 100% |
| 11 | Interface website components with the DB tables | 50% | 50% | 100% |
| 12 | Collect real data and test the overall functionality of the project | 50% | 50% | 100% |

**1)** Per your project schedule, you have agreed to do the specified parts of the project in this quiz. *Include the following in your submission:*

-React/AngularJS/HTML code (if any)

-CSS code (if any)

-JS code (if any)

-ChartJS code (if any)

-Twilio code (if any)

-PHP/Python/Kivy code (if any)

-DB tables (if any)

-Snapshots demonstrating the following:

a) Snapshots of the DB if the application is supposed to change any of the DB tables.

b) Snapshots of RPi's breadboard (sensors/actuators) if the application/user is supposed to change any of sensors/actuators.

c) Snapshots of the Android screen if the application/user is supposed to change anything on the Android screen.

d) Snapshots of the website if the application/user is supposed to change anything on the website.