

## WIA2007 Mobile Application Development Semester 1, Session 2022/2023 Assignment Part II (40 marks)

**Submission Date : Week 12**

**Descriptions :**

In this Part II of Group Assignment, all the groups are required to develop the Mobile Application using the information included in the proposal submitted in Part I of Group Assignment. Students also need to prepare a short presentation (and demonstrations) to explain about the developed Mobile Application.

### Submission Instructions:

#### Softcopy Report and Source Code (30 marks) - submit via Spectrum / Microsoft Team.

1. Brief Introduction of the Mobile Application.
2. Table consisting of two major columns -- the functions stated in Assignment Part I and whether it is accomplished in Assignment Part II.
3. Screenshot of all the activity / pages with descriptions.
4. Proof of successful implementation for each evaluation criteria with descriptions.
5. Tasks distribution table.

#### Presentation Content (10 marks):

1. Brief introduction of the Mobile Application (initial inspiration / problem-to-be-solved).
2. Functionalities of the system during the demonstration.
3. Extra functionalities of the system during the demonstration.
4. Accessibility considered in the Mobile Application during the demonstration.

#### **Evaluation Criteria and Marking Rubrics:**

Evaluation Criteria	Marking Rubrics			
	None	Poor	Moderate	Good
<b>Database (CRUD)</b> <b>[3 marks]</b>	No Database Connection and CRUD. <b>[0 mark]</b>	Database connection successfully and only able to perform some operations of CRUD. <b>[1 mark]</b>	Database connection successfully and only able to perform all operations of CRUD. <b>[2 marks]</b>	Database connection successfully and only able to perform all operations of CRUD, with proper connection closing and error handling. <b>[3 marks]</b>

<b>Reports and requirements</b> <b>[3 marks]</b>	No report submitted. <b>[0 mark]</b>	Report submitted with insufficient information provided (refer to the assignment instructions for information needed) and / or requirements not fulfilled. <b>[1 mark]</b>	Report submitted with brief information provided on every section and / or requirements are briefly fulfilled. <b>[2 marks]</b>	Report submitted with detailed information provided on every sections and requirements are all fulfilled. <b>[3 marks]</b>
<b>Different views and viewgroups</b> <b>[4 marks]</b>	No Mobile App submitted. <b>[0 mark]</b>	Mobile App submitted with only using one type of layout and limited variant of views. <b>[1 mark]</b>	Mobile App submitted using two types of layout and more complex views. <b>[2 marks]</b>	Mobile App submitted with more than two types of layout and the use of complex views. <b>[3-4 marks]</b>
<b>App Flow</b> <b>[3 marks]</b>	No Mobile App submitted or Mobile App with only Single Activity / Page / Tab submitted. <b>[0 mark]</b>	Mobile App submitted with isolated activity observed. <b>[1 mark]</b>	Mobile App submitted with smooth flow with proper categorizations. <b>[2 marks]</b>	Mobile App submitted with smooth flow with proper categorizations and explanation. <b>[3 marks]</b>
<b>Accessibility</b> <b>[3 marks]</b>	No accessibility considered. <b>[0 mark]</b>	Accessibility target is listed with limited features implemented in single activity. <b>[1 mark]</b>	Accessibility target is listed and analyzed with proper features implemented in some areas of the Mobile App. <b>[2 mark]</b>	Accessibility target is listed and analyzed with proper features implemented throughout the Mobile App. <b>[3 marks]</b>
<b>UI Design</b> <b>[3 marks]</b>	No UI design. All the views are in Default mode. <b>[0 mark]</b>	UI design is available but only on limited items (e.g., only changing background color), inconsistencies observed, without the use of multimedia contents (e.g., appropriate images, audios) <b>[1 mark]</b>	UI design is available on some items but not consistent throughout the Mobile App with limited use of multimedia contents. <b>[2 mark]</b>	UI design is available and consistent throughout the Mobile App with the use of appropriate placement of multimedia contents. <b>[3 marks]</b>

<b>Extra Functionalities</b> <b>[4 marks]</b>	No extra functionalities. <b>[0 mark]</b>	One extra functionality added. <b>[1-2 mark]</b>	Two extra functionalities added. <b>[3-4 marks]</b>
<b>Error Handling</b> <b>[2 marks]</b>	No error handling. <b>[0 mark]</b>	Error handling on limited functions or activities. <b>[1 mark]</b>	Error handling on almost / all of the functions and activities. <b>[2 mark]</b>
<b>Peer Evaluation</b> <b>[5 marks]</b>	No peer evaluation. <b>[-1 mark]</b>	All the marks given by the members then convert to 5 marks.	

**Late Submission Penalty: Minus 3 marks per day.**

Evaluation Criteria	Marking Rubrics			
	None	Poor	Moderate	Good
<b>Demonstration</b> <b>[4 marks]</b>	Absent to the presentation. <b>[0 mark]</b>	Poor demonstration without any organization. <b>[1 mark]</b>	Demonstrate with organization and smooth demonstration (no pause). <b>[2 marks]</b>	Demonstrate with organization and with a good scenario to complement the demonstration, and be able to demonstrate smoothly (no pause) and confidently. <b>[3-4 marks]</b>
<b>Presentation</b> <b>[4 marks]</b>	Absent to the presentation. <b>[0 mark]</b>	Present to the presentation with poor presentation slides (blank slide design and incomplete information) and many pause observed. <b>[1 mark]</b>	Present to the presentation with a smooth presentation and good presentation slides (with slide design and complete information). <b>[2 marks]</b>	Present to the presentation confidently with good presentation slides (with slide design, complete information and with graphics), give concise and precise presentation. <b>[3-4 marks]</b>
<b>Q&amp;A</b> <b>[2 marks]</b>	Absent to the presentation. <b>[0 mark]</b>	Not able to answer questions. <b>[0.5 mark]</b>	Able to answer some questions. <b>[1 mark]</b>	Able to answer all the questions given confidently. <b>[2 marks]</b>