IT2010 – Mobile Application Development
BSc (Hons) in Information Technology
2nd Year
Faculty of Computing
SLIIT
2023 – Assessment 01

Group Project

Group Formation
- Maximum number of group members per group – 04
- Advised to form the group within the same lab group.

Topic
Mobile Application Solution for the Current Economic Crisis in the Country

Objective
The objective of this group project is to design and develop a mobile application that can help people cope with the current economic crisis in the country. The application must provide CRUD (Create, Read, Update, and Delete) operations to manage data related to the economic crisis.

Instructions
1. Identify a specific economic problem that people are facing in the country, such as unemployment, inflation, or a decrease in purchasing power.
2. Design a mobile application that can help people cope with the economic problem. The application should be user-friendly and easy to navigate.
3. The application must provide CRUD operations to manage data related to the economic crisis.
4. The CRUD operations should be performed on a database (SQLite or Firebase) that stores information related to the economic problem.
5. The application must have the following features:
   - User registration and login.
   - Dashboard to display information related to the identified economic problem.
   - Ability to add, edit, and delete data related to the identified economic problem.
   - Notification system to alert users about important events related to the identified economic problem.
6. The android application must be developed using Kotlin programming language
7. The project must be submitted as a group.

8. Each group member must contribute equally to the project and provide evidence of their contribution.

   a. Each Member must have CRUD operations
   b. The application must contain some values coming from a calculation or an algorithm. (Ex: If you are developing an Income-Expenses kind of application, you can display monthly income and expenses using a dashboard/report/etc. For that you need to do a calculation).

9. Plagiarism will not be tolerated. Any evidence of plagiarism will result in the project being rejected and disciplinary action being taken.

Evaluations

Evaluations will be happened in two phases.

Phase 01

- Group must submit a report consisting,
  - Description about the overall project (200 words max)
  - Member wise description on what is their contribution (100 words max)
  - screenshots of the all-user interfaces. (Member wise)
  - Screenshots of the usages of resources (String, colors, dimensions, …)
- Weightage – 10%
- Evaluation Period – 7th week
- Group leaders need to submit the report to the courseweb

Phase 02

- Final integration of the project will be evaluated
- Evaluation Period: 12th week
- Weightage: 20 %
- Group must submit a report consisting,
  - Git Repository link
  - A link to 1 minute marketing video for the app

- It should be uploaded to the LinkedIn and make the link pubic.
- Make sure to add a proper description to indicate that the video is made for the Assignment in the post description
  - o Member wise descriptions about the implemented CRUD operations
  - o Member wise description about testing methods
    - Include the codes of Unit Tests/ Instrumented testing after the description
- Viva session will be conducted for the group after the report submission
  - o Duration: 30 minutes
- Group leaders need to submit the report to the courseweb

Marking Rubric
Phase 01

Description	Mark Distribution
Project Idea (Group Mark) If the project is adequate to the given theme - 1	1
Description clearly explain the idividual contribution - 2 contribution is not clear - 1 no description - 0	2
User Interfaces Design followed best practices for layout - 1 colors - 1 typography - 1 consistancy - 1	4
Usage of Resources string - 1 colors - 1 dimentions / others - 1	3
Total	10

Phase 02

Description	Mark Distribution
Technical Quality	**20**
Functionality	15
CRUD Operations - 8 Other Functions - 7	
Code Quality	5
comments - 1 folder structure - 2 Project Architecture - 2	
Project Management	**5**
Planning	2
Project Completion - 1 Equal Distribution - 1	
Collaboration	3
Usage of git - 2 Working integrated product - 1	
Documentation	**5**
Project Report	3
Clarity of the description - 2 Content - 1	
Marketing Video	2
Clear delivery of the App's usage - 1 Marketability -1	
Total	30