

**CSNB544/5123 Mobile Application
Development
Milestone 2**

Semester 1 2024/2025

Student ID:	Student Name:
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MARKS ALLOCATION (60 marks, 20%)				
PART A: CORELATION BETWEEN M1 AND M2				Marks
Criteria	0	1-4	5	
1. Included the approved proposal in Milestone 1	None	Incomplete and not updated/corrected	Complete and updated/corrected	
			TOTAL PART A (5 MARKS)	
PART B: SCREENS MAP				Marks
Criteria	0-1	2-3	4-5	
1. Overall screens map	None or poorly screens map provided	Well prepared screens map with minor error	Complete screens map with no error	
2. Activities	None or insufficient activities	Sufficient activities	Well planned activities	
3. Application navigation	None or poor/ambiguous navigation	Acceptable navigation with minor correction	Acceptable navigation with no correction	
			TOTAL PART B (15 MARKS)	
PART C: SKETCH AND WIREFRAME				Marks
Criteria	0-1	2-3	4-5	
1. Goal driven design	None or poor design	Partially design for the right user, acceptable workflow that suits their needs	Design for the right user, acceptable workflow that suits their needs	
2. Learnability	None or unable to learn to use the application	User is partially know how to use the interface and the interface nature is partially familiar to the user	User is instinctively know how to use the interface and the interface nature is familiar to the user	
	0-5	6-10	11-15	
3. Sketch UI design	None or sketch UI designed in very minimal	Sketch UI designed in brief	Sketch UI designed in detail with labels	
4. Wireframe / Application navigation based on the screens map in Part B	None or poor/ambiguous navigation	Acceptable navigation with minor unmatched	Navigation in the wireframe matched with the screens map	
			TOTAL PART C (40 MARKS)	
			TOTAL M2 (PART A + PART B + PART C) (60 MARKS)	

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Instruction: Plan and design your application by completing required information in the provided table.

Milestone 2 requires you to plan and design your application. The design should be based on the proposal in Milestone 1. You are going to illustrate the design of the proposed application.

Your application must be original, not inherited from any existing application, not using template from the third party, and must be different among each other.

Main requirement of your application:

Requirements	Descriptions
Icon	A custom icon that reflects your application
Splash Screen	A welcoming page that will auto navigate to the home screen
Pages	Some pages to represent your application features
Storage	Apply local file or online database storage
About Page	A page that consists of the application description, developer, version

This assignment is an individual assessment. You may refer to Chapter 2 and Lab 2 (Screen map and sketches) for examples and guideline in completing this assessment.

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PART A: CORELATION BETWEEN M1 AND M2

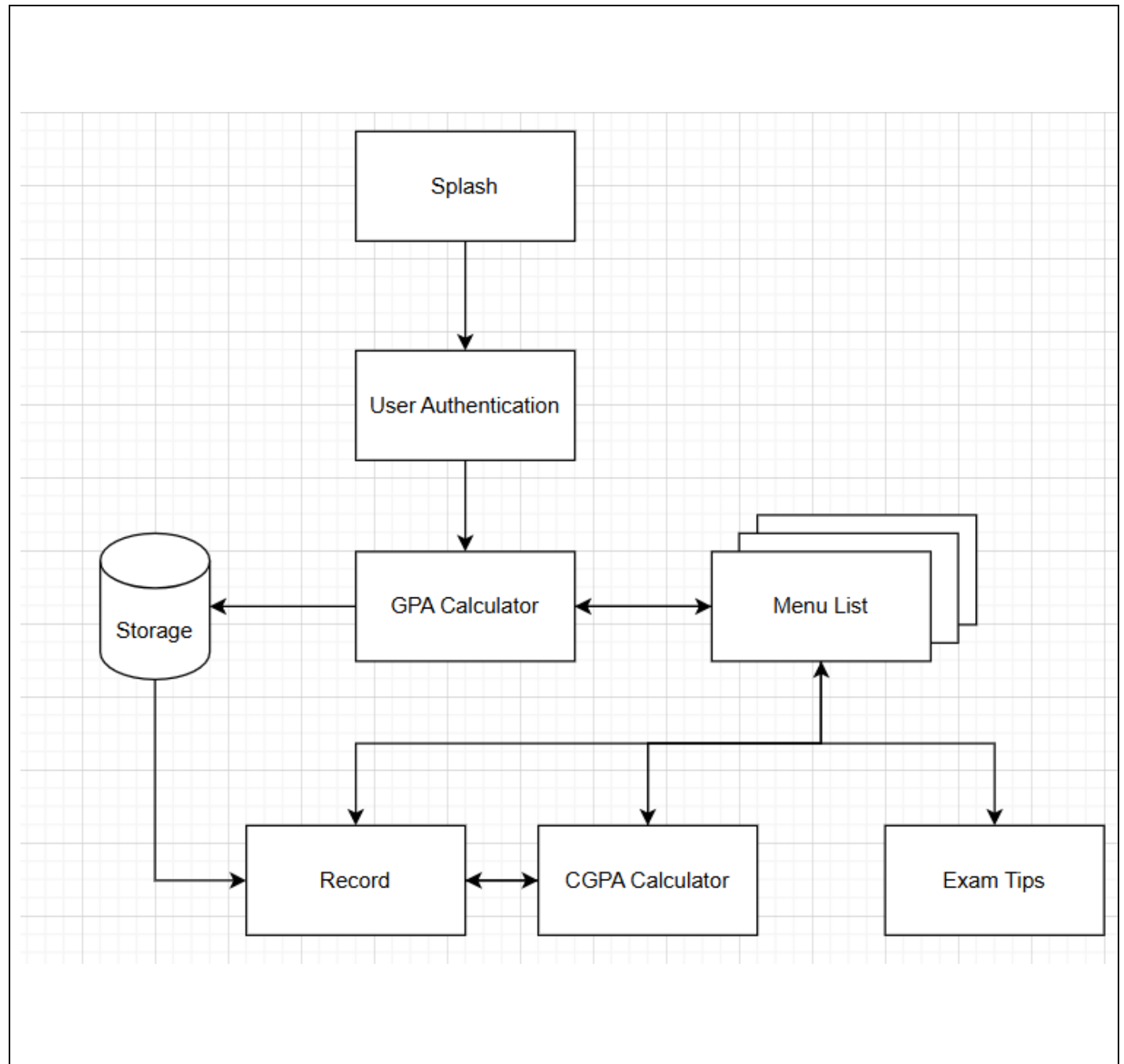
Complete the following table based on the updated Milestone 1.

Application Name	UNITEN Grade Tracker
Application Description	The UNITEN Grade Tracker is a web-based application designed specifically for UNITEN students to calculate their GPA for individual semesters and CGPA across multiple semesters. The app allows students to input their course grades and credit hours, and it will automatically compute the GPA and CGPA based on UNITEN's grading system.
Objectives	To calculate and store GPA and CGPA results for UNITEN students across different semesters and courses.
Target user	UNITEN students from all faculties looking to calculate their GPA and CGPA easily and accurately.
List of Features with its Description	<p>User Authentication</p> <ul style="list-style-type: none"> <i>Description:</i> Allows students to create an account and securely log in using their UNITEN email credentials. <p>Semester GPA Calculator</p> <ul style="list-style-type: none"> <i>Description:</i> Students can input their grades and credit hours for each subject in a particular semester, and the app will calculate their GPA. <p>Cumulative CGPA Calculator</p> <ul style="list-style-type: none"> <i>Description:</i> Tracks GPA over multiple semesters to calculate a cumulative CGPA based on the inputted grades and credit hours for each semester. <p>Support for Multiple Semesters</p> <ul style="list-style-type: none"> <i>Description:</i> Students can calculate and store GPA for different semesters and see their CGPA evolve across their academic career. <p>GPA Prediction Feature</p> <ul style="list-style-type: none"> <i>Description:</i> Allows students to predict future GPA based on hypothetical grades for upcoming semesters.

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PART B: SCREENS MAP

Draw a screens map of your proposed application. This screens map should cover overall activities in your application. Place your screens map into the following field.



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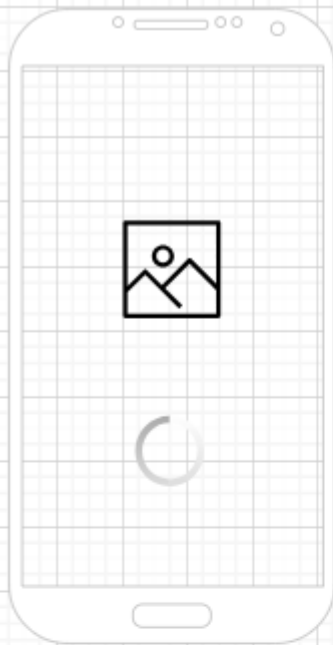
PART C: SKETCH AND WIREFRAME

Based on the screens map in Part B and your updated Proposal in Part A:

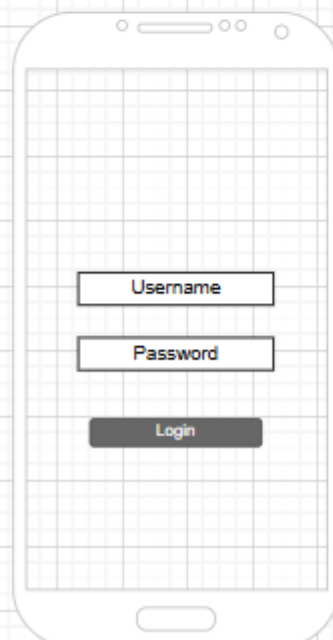
1. Sketch the design of each activities/page of the proposed application. Explain the elements consist in it. You may also use label to show each element.

Student ID:

Student Name:



Page 1: Splash
screen consists of an image
at the centre of the screen.



Page 2: User authentication
using UNITEN email
credentials

Student ID:

Student Name:

GPA Calculator

Sem: 1 Year: 24/25

Subject Code

Grade Credit Hour

Insert

Subject1	A	3	✗
Subject1	A	3	✗
Subject1	C	2	✗

Calculate GPA

GPA: x.xx

Save

Page 3: GPA calculator will ask user to select which sem and year to save and insert 3 input which is subject code, grade, and credit hour. After user click insert, the subject will be shown at the bottom of the insert button as a list. After all subjects inserted, user can click the calculate GPA and GPA will be shown at the very bottom for that particular semester.

GPA Calculator

Record

CGPA Calculator

Exam Tips

Sem: 1 Year: 24/25

Subject Code

Grade Credit Hour

Insert

Subject1	A	3	✗
Subject1	A	3	✗
Subject1	C	2	✗

Calculate GPA

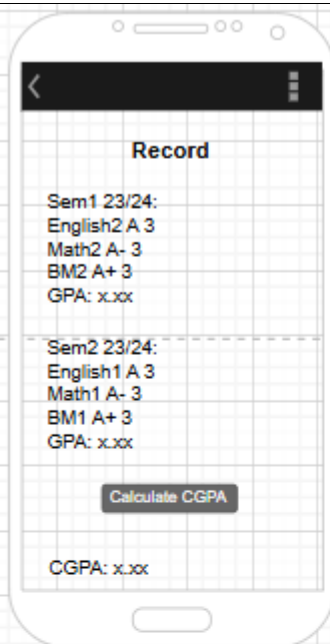
GPA: x.xx

Save

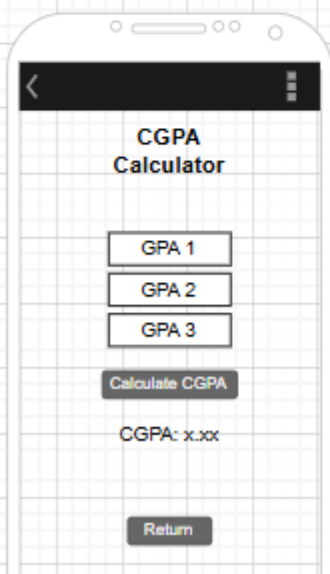
Menu List: Show menu lists that contain GPA Calculator, Record, CGPA Calculator, and exam tips.

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Student Name:

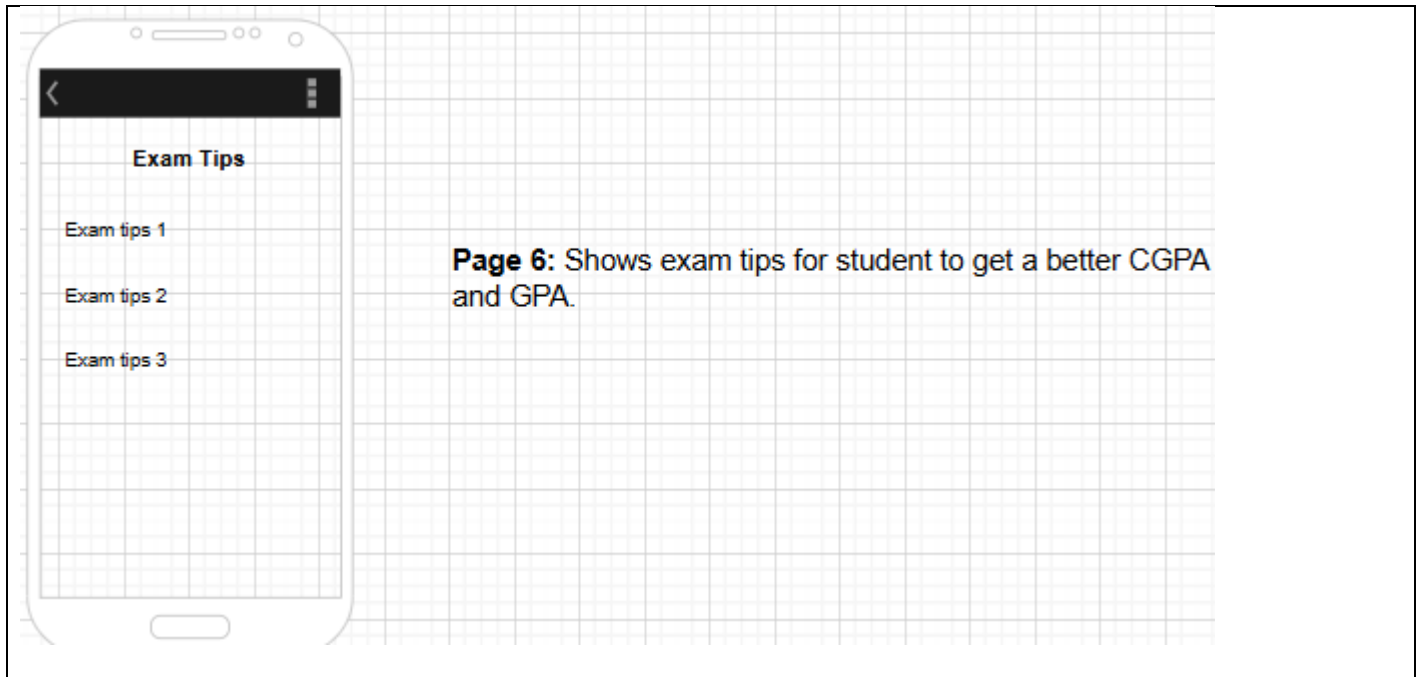


Page 4: This will show the saved gpa record and have calculate cgpa button that will direct user to page 5.



Page 5: This will shows gpa for every saved semester. The calculate CGPA button will calculate the CGPA and shows the result. Click return to return to page 4.

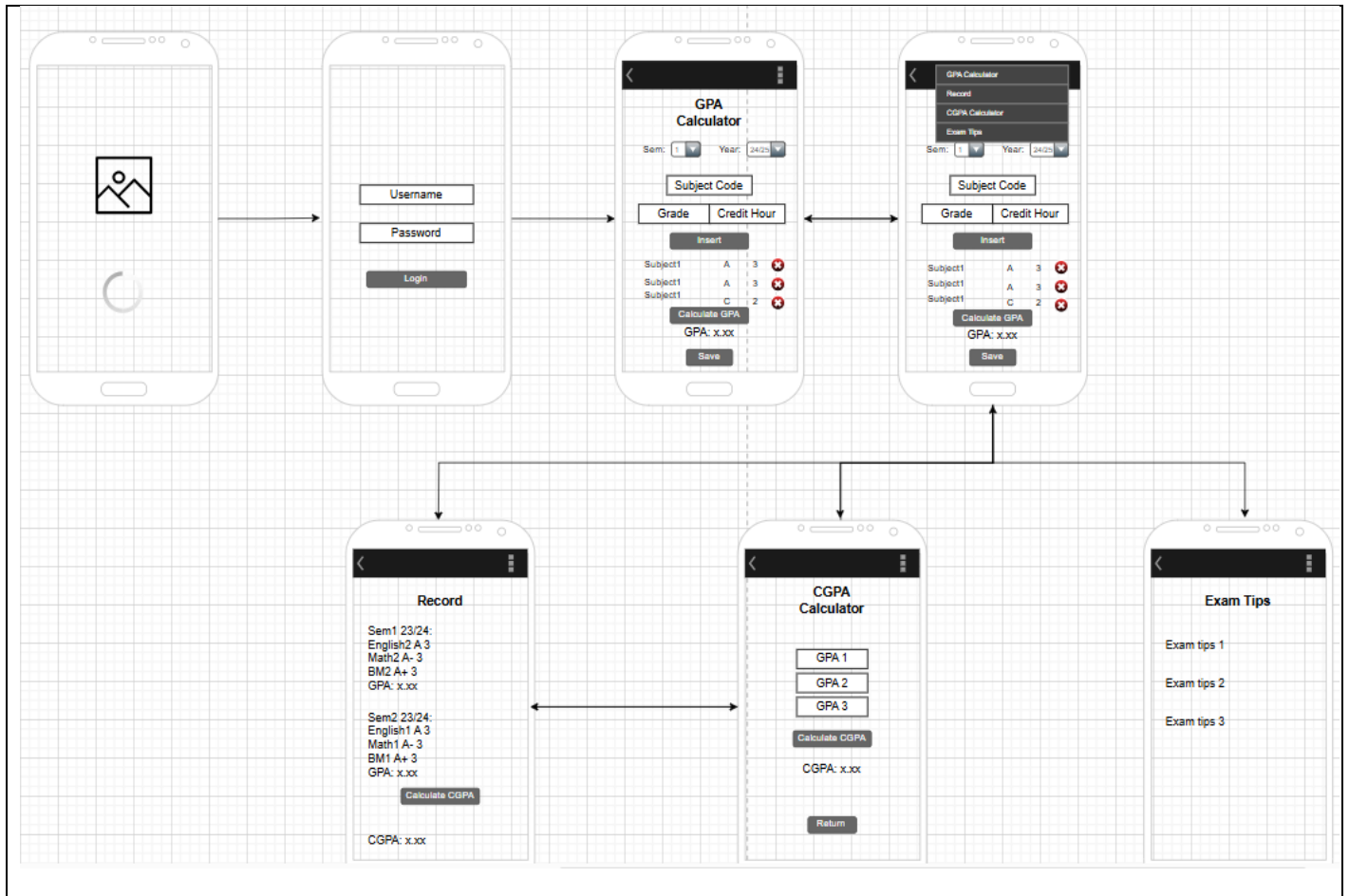
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2. Combine the activities designed above with the navigation based on the screen maps to form a complete wireframe of your application.

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Submission:

Deadline: 8 Nov 2024, 11.59pm

Submission method: Online