



Department of Computer Science  
University of Technology and Applied Science  
Software Engineering

Mobile Application Development - CSSE3203  
Project Name: Mulakhasy



Submitted by:

Jokha Hamed Rashid Al-Harthy – 16J21139  
Nairooz Said Gharib Al-Alawi - 16J2084

**To: Dr. Muna Saif Humaid Al-Rahbi** Head of  
IT Department

**Thru: Mr. Mohamed Khamis Al Ajmi**

Lecturer/Supervisor

We are Jokha Al-Harthy and Nairooz Al-Alawi with ID: 16J21139 and 16J2084

of Advanced Diploma and who belongs to 1. of the CSSE3203 –Mobile Application Development offered by IT department, hereby declare that my submission of Mobile App for Mulakhasy “Summaries” as requirement(s) for the said course is a result of my own original work except for source materials explicitly acknowledged by proper citations.

I also understand that plagiarism is an offense that can lead to disciplinary action depending on the seriousness of the case.

Name: Jokha Hamed Al-Harthy

Nairooz Said Gharib Al-Alawi

Date: 11 May 2025

## **Problem Definition and Description**

### **Problem Statement:**

Mulakhasy is a mobile application that is designed for students who struggle with reading and understanding large number slides of courses. Many students find it difficult to go through slides, especially when preparing for exams. The application aims to simplify learning by summarizing that helping students to save time, enhance understanding, and improve academic performance.

### **Objective:**

To develop a user-friendly, cross-platform mobile application that offers concise and accurate summaries of many courses, aimed at helping students study more efficiently. The application will allow users to search for the desired courses. Meanwhile, the administrators will have tools to manage, upload, and reserve the summaries chosen by the users, ensuring personalized access and organized content delivery.

### **Scope:**

- A user-friendly interface for users to register, log in, and reserve summaries.
- A robust admin panel to oversee reservation, manage users.
- Integration with Firebase for real-time database management and authentication.

### **Functionalities Implemented:**

#### **- User Functionalities:**

##### **1. User Registration and Login:**

- Users can register with their email and password or log in to an existing account.
- Firebase Authentication ensures secure access.

##### **2. Search and reserve:**

- Users can search for specific summaries by just writing the course in search bar.
- Firebase stores the reservation of the summaries data in real-time.

##### **3. Updating and Deleting profile:**

- Users can update their profile such as name, address and mobile phone.
- Users can delete their profile from the whole system.

##### **4. Adding Feedback:**

- Users can add their feedback about the system.

- **Admin Functionalities:**

- 1. Admin Registration and Login:**

- Admin can register with their email and password or log in to an existing account.
    - Firebase Authentication ensures secure access.

- 2. View reservation and Feedback:**

- Admins can view which summaries users have reserved
    - Admins can view user feedback submitted through the application

- 3. User management:**

- Admins can view and edit user accounts.

- 4. Manage summaries:**

- Admins can upload, edit, or delete course summaries.
    - Admins can categorize summaries by searching for easier access.

**Database Operations:**

- **Insert (Add):**

- 1. Admin: add new summaries
  - 2. User: reserve desired summaries

- **Search (Read):**

- 1. Admin: search for available summaries
  - 2. User: search for available summaries

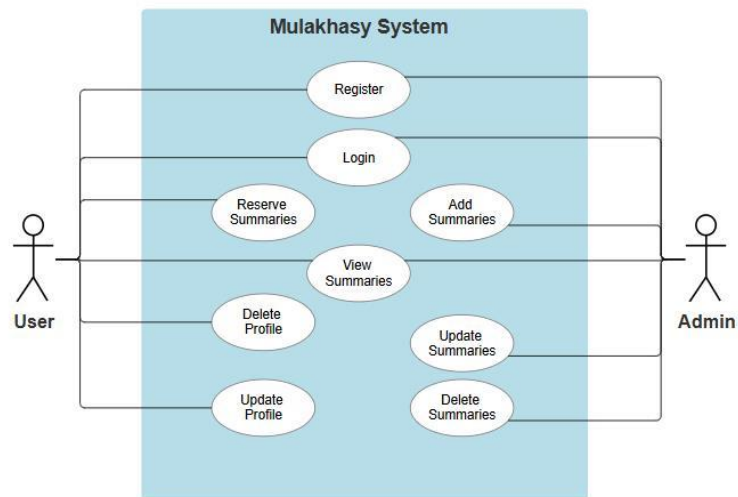
- **Update:**

- 1. Admin: modify an existing summary or their own profile
  - 2. User: modify profile

- **Delete:**

- 1. Admin: remove the summary from the application
  - 2. User: remove their account from the application

## Use case Diagram:



## User Screens:

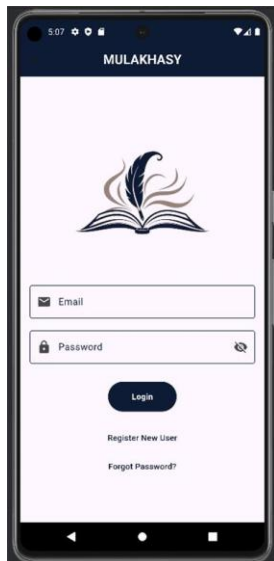


Figure 1 Login Page



Figure 2 Registration Page

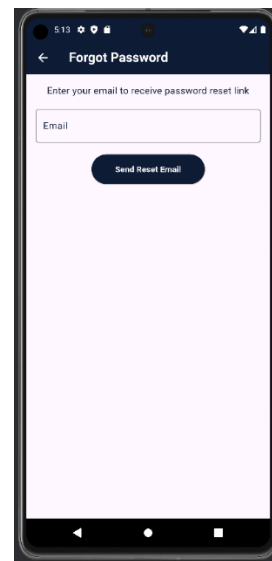


Figure 3 Forgot Password Page



Figure 4 User Home Page



Figure 5 Side Menu

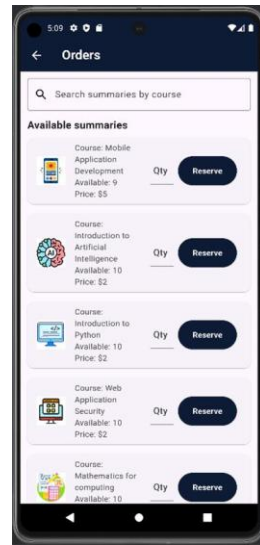


Figure 6 Order Page

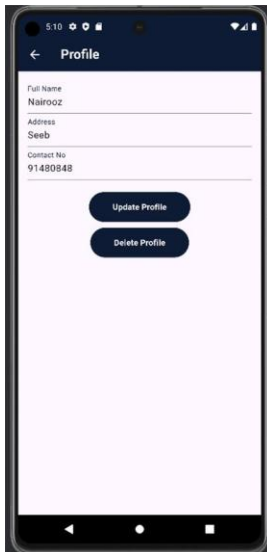


Figure 7 Profile Page

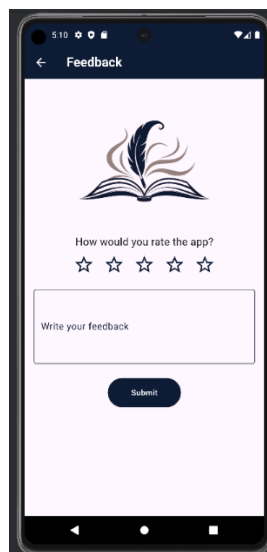


Figure 8 Feedback Page

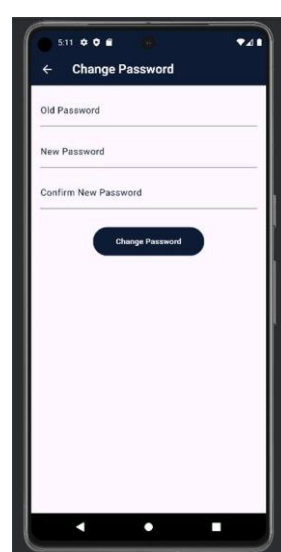


Figure 9 Change Password Page

## Admin Screens:



Figure 10 Login Page

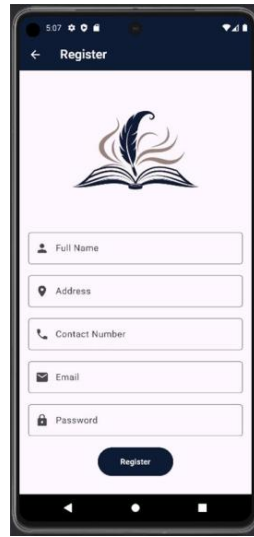


Figure 11 Registration Page



Figure 14 Forgot Password Page



Figure 15 Admin Home Page

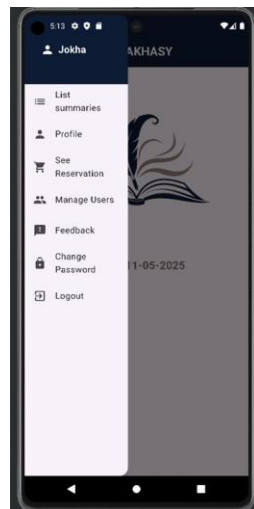


Figure 16 Admin Side Menu

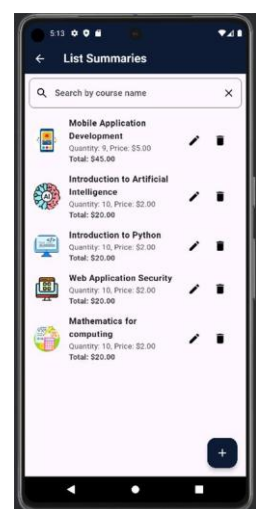


Figure 17 List Summaries Page

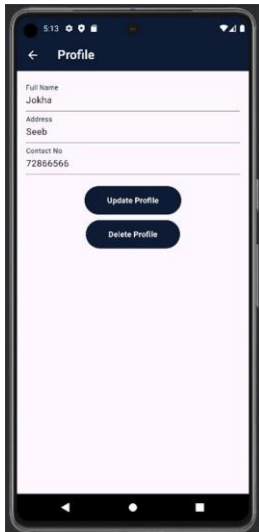


Figure 18 Profile Page

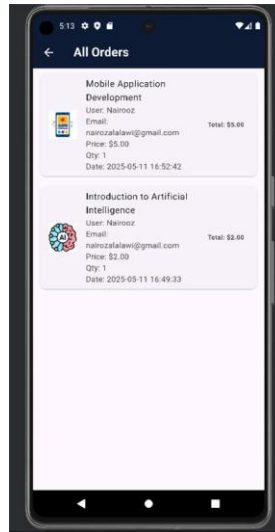


Figure 19 Reservation Page



Figure 20 User Management Page

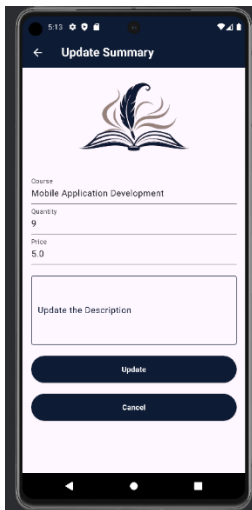


Figure 21 Update Summaries Page

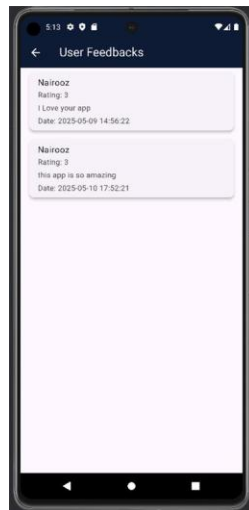


Figure 22 Users Feedback

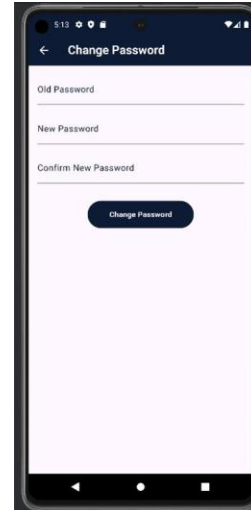


Figure 23 Change Password Page



## **Conclusion and Future Scope:**

### **- Conclusion:**

Mulakhasy application successfully addresses the challenges faced by students in digesting lengthy course slides by offering clear summaries. Through its user-friendly design, real-time database integration. The app enhances students learning experiences by supporting students through the summaries.

### **- Future Scope:**

- Multi-language Support: Make the app accessible to a broader audience by adding support for multiple languages.
- AI Integration: to recommend course summaries based on user behavior, past selections, and study patterns.
- Offline access: allowing users to download summaries for offline access.

## **References:**

- Figma: <https://www.figma.com>
- Use case: <https://www.smartdraw.com/>
- Android Studio
- Firebase: <https://firebase.google.com/>