



**CEBU INSTITUTE OF TECHNOLOGY**  
**UNIVERSITY**

# **IT342-G1**

# **SYSTEMS INTEGRATION**

# **AND ARCHITECTURE 1**

---

## **FUNCTIONAL REQUIREMENTS SPECIFICATION (FRS)**

---

Project Title: Mini App – User Registration & Authentication

Prepared By: Jazpher Neil P. Quirante

Date of Submission: 2/18/2026

Version: 2.0

# Table of Contents

1.	Introduction.....	3
1.1.	Purpose.....	3
1.2.	Scope.....	3
1.3.	Definitions, Acronyms, and Abbreviations.....	3
2.	Overall Description.....	3
2.1.	System Perspective.....	3
2.2.	User Classes and Characteristics.....	3
2.3.	Operating Environment.....	3
2.4.	Assumptions and Dependencies.....	3
3.	System Features and Functional Requirements.....	3
3.1.	Feature 1:.....	3
3.2.	Feature 2:.....	3
4.	Non-Functional Requirements.....	3
5.	System Models (Diagrams).....	4
5.1.	ERD.....	4
5.2.	Use Case Diagram.....	4
5.3.	Activity Diagram.....	4
5.4.	Class Diagram.....	4
5.5.	Sequence Diagram.....	4
6.	Appendices.....	4

## **1. Introduction**

### **1.1. Purpose**

Describe the purpose of the system and the intended audience of this document.

### **1.2. Scope**

Describe what the system will do and its boundaries.

### **1.3. Definitions, Acronyms, and Abbreviations**

List and define important terms used in this document.

## **2. Overall Description**

### **2.1. System Perspective**

Describe how the system fits into a larger context or environment.

### **2.2. User Classes and Characteristics**

Identify the different types of users and their characteristics.

### **2.3. Operating Environment**

Specify the hardware, software, and tools required to operate the system.

### **2.4. Assumptions and Dependencies**

List any assumptions and external dependencies that may affect the system.

## **3. System Features and Functional Requirements**

Describe each major feature of the system and its functional requirements.

### **3.1. Feature 1:**

Description:

Functional Requirements:

-

-

-

### **3.2. Feature 2:**

Description:

Functional Requirements:

-

-

-

## **4. Non-Functional Requirements**

Specify system quality attributes such as performance, security, usability, reliability, etc.

## 5. System Models (Diagrams)

Insert the necessary diagrams for the system:

### 5.1. ERD

User	
PK	<u>userID</u>
	fName
	IName
	phone
	email
	password

Figure 5.1

### 5.2. Use Case Diagram

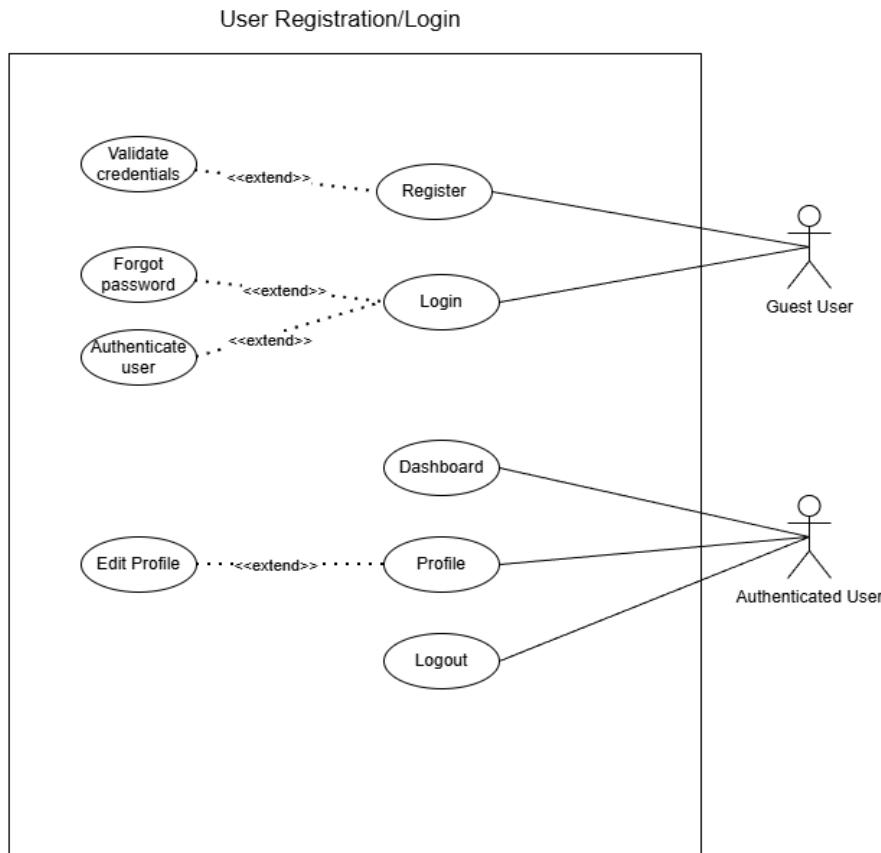


figure 5.2

### 5.3. Activity Diagram

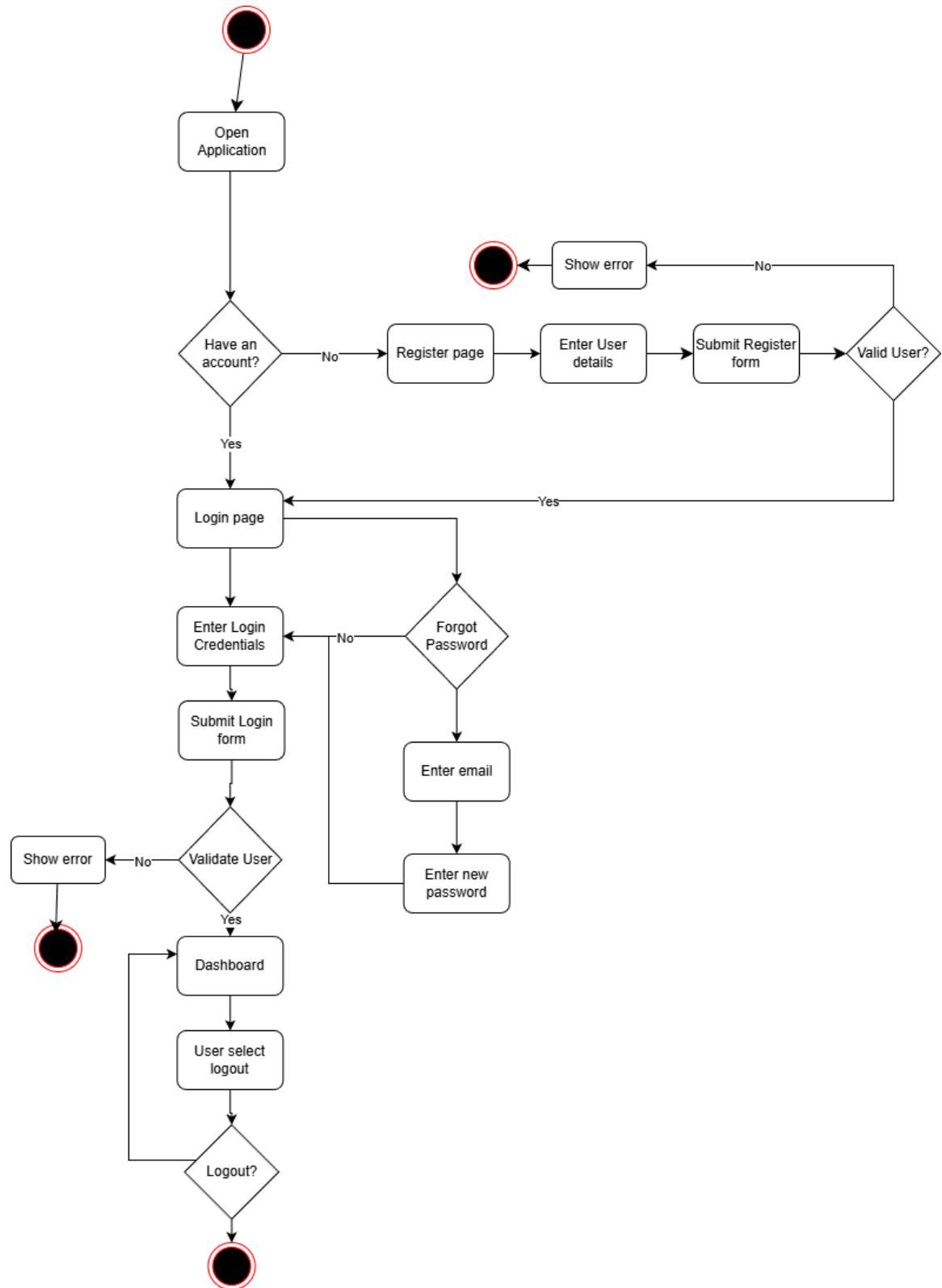
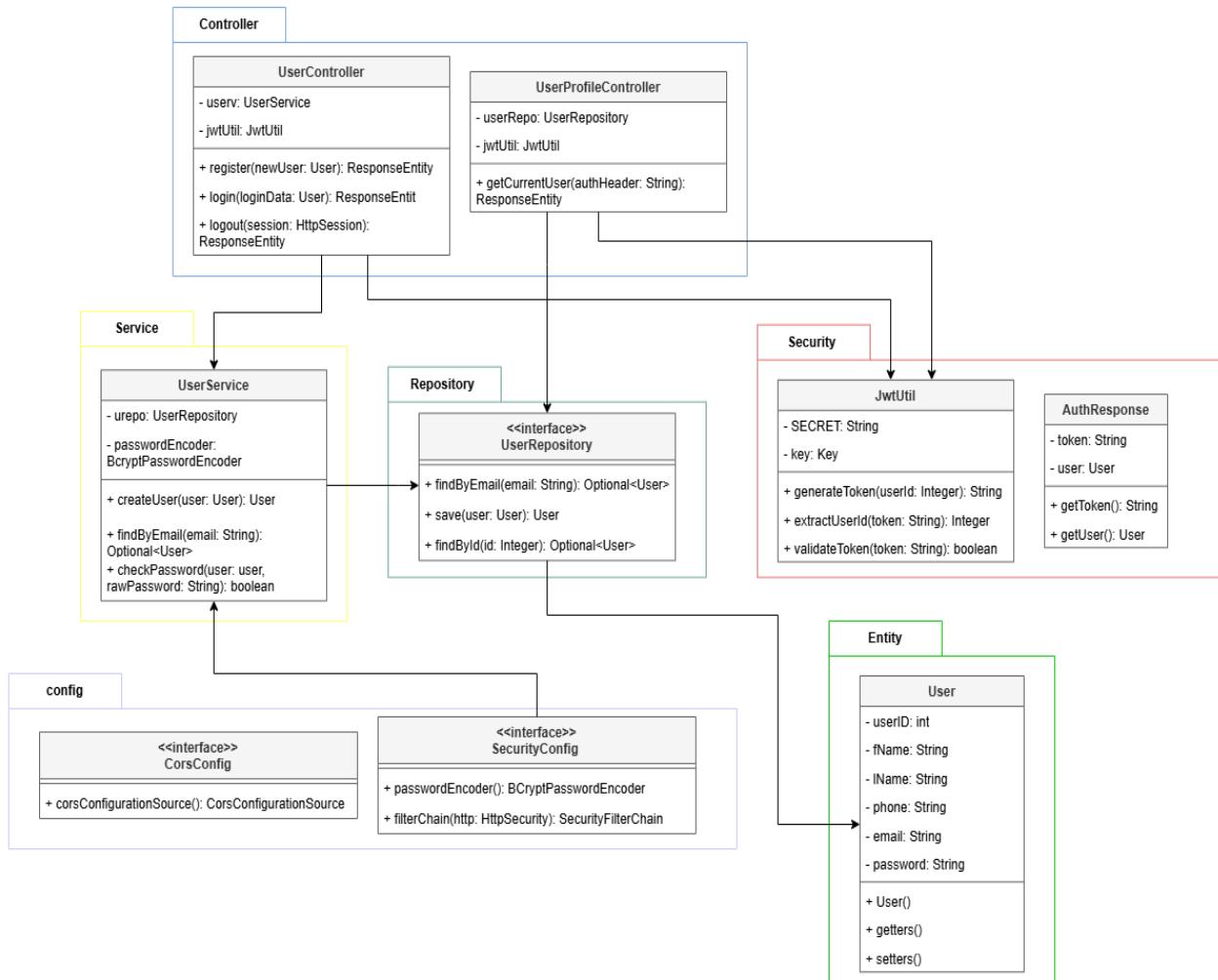


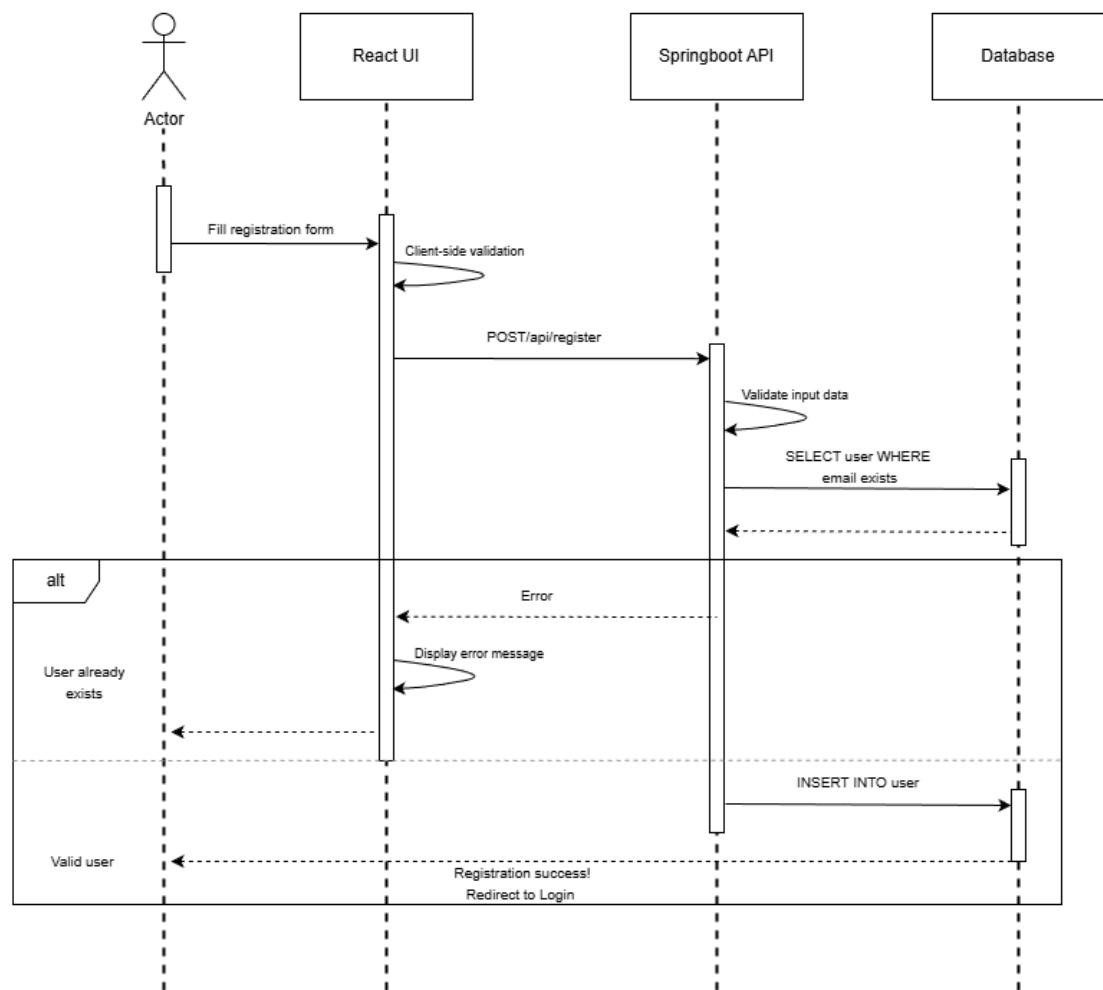
figure 5.3

## 5.4. Class Diagram

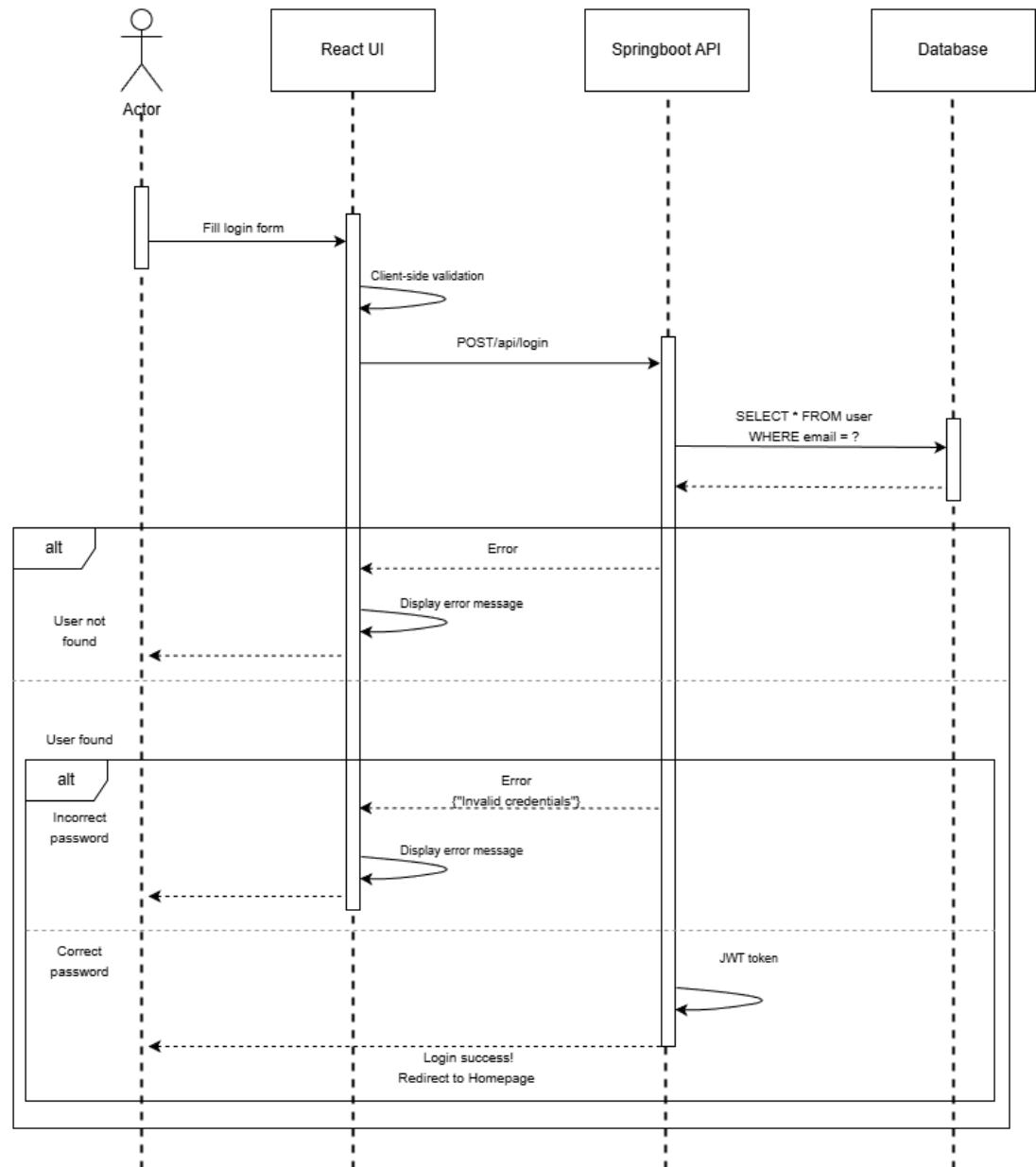


## 5.5. Sequence Diagram

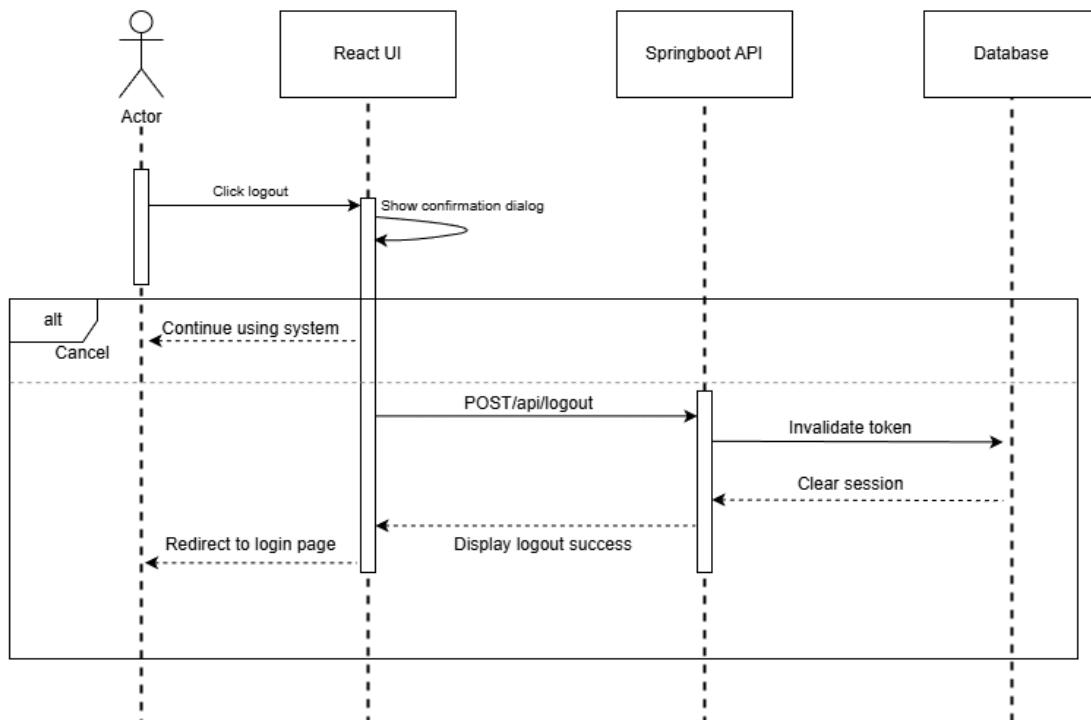
### USER REGISTRATION FLOW



## USER LOGIN FLOW

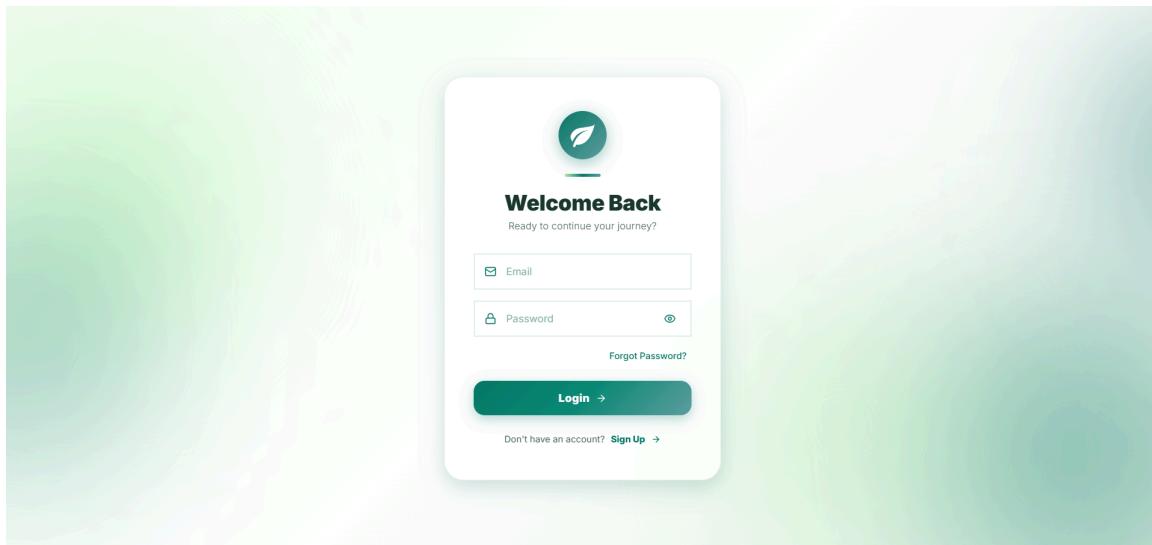


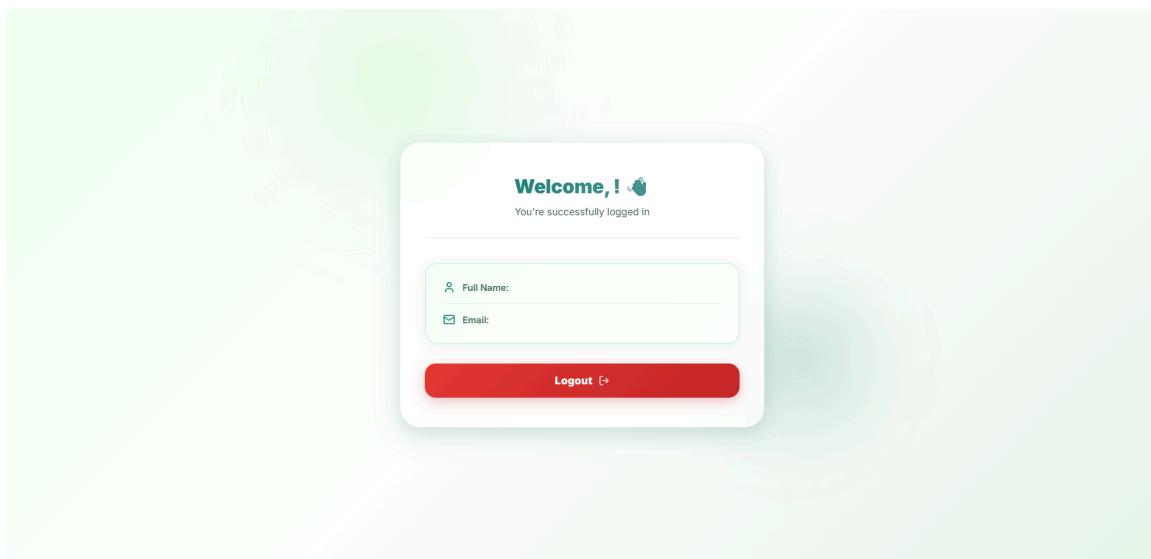
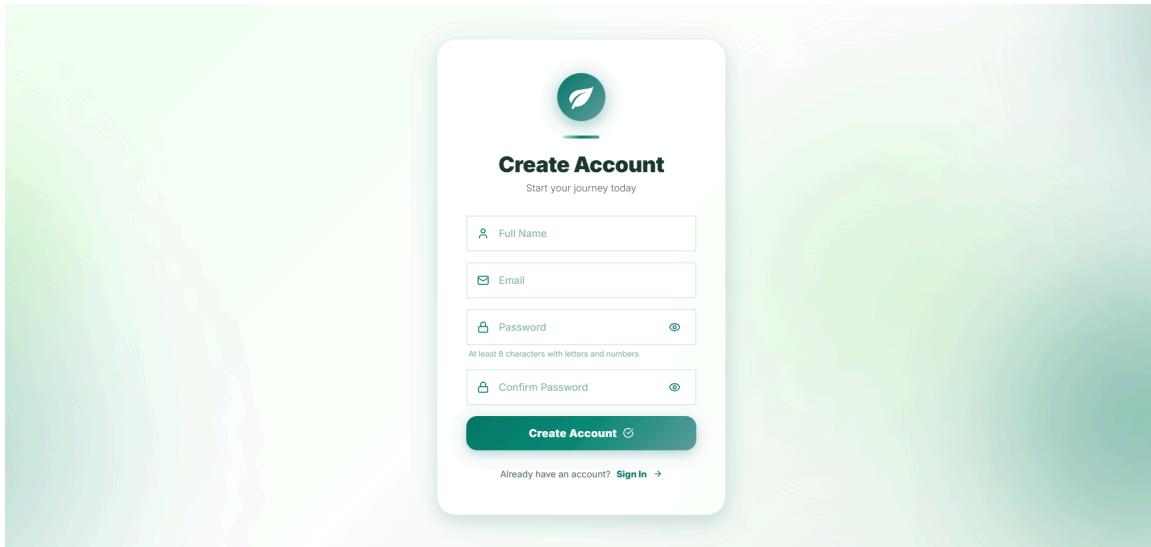
## USER LOGOUT FLOW



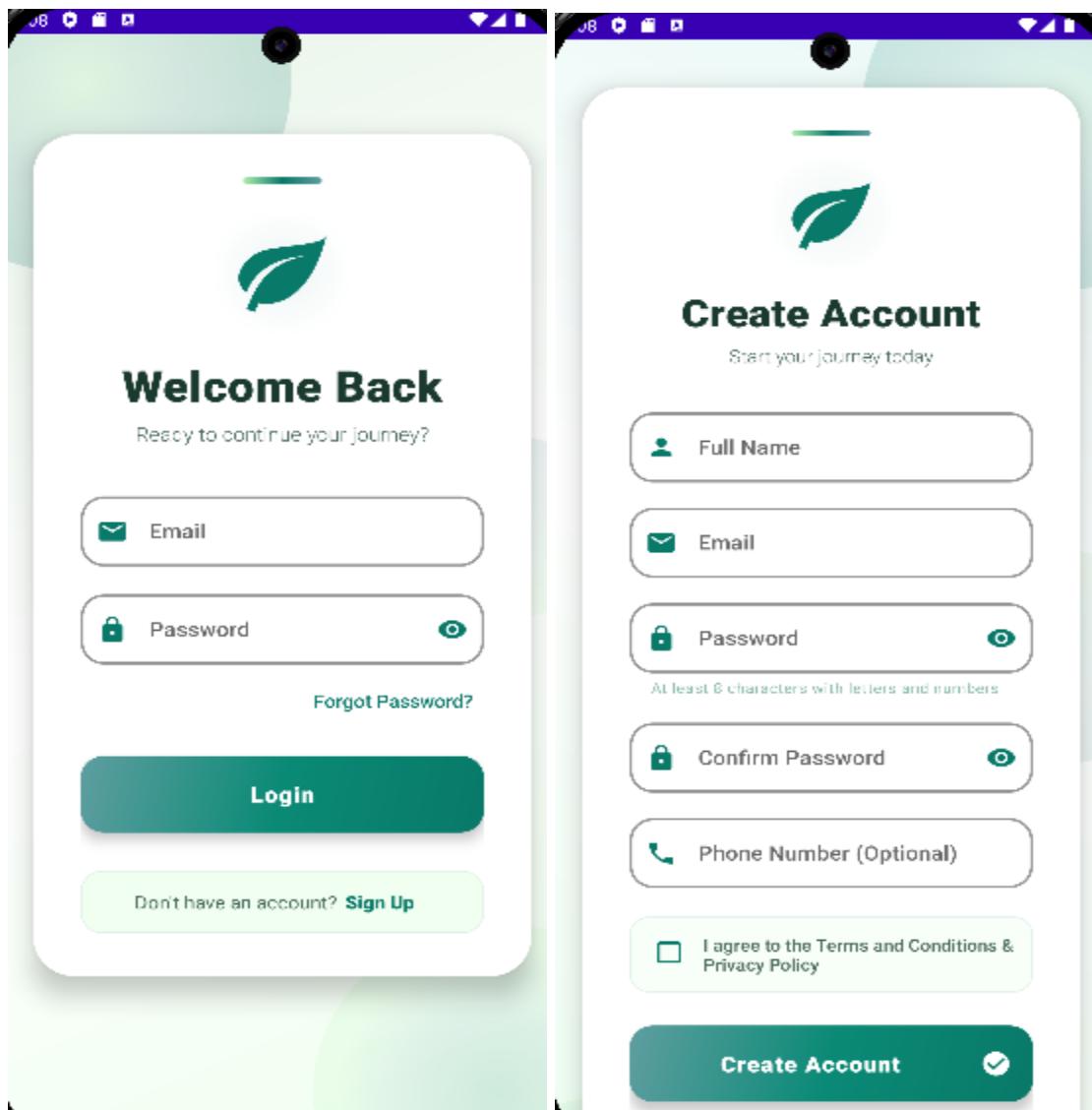
## 6. Appendices

### 6.1. Web UI





## 6.2. Mobile UI



The image displays two side-by-side screenshots of a mobile application interface, likely for a library or borrowing service.

**Screenshot 1 (Left):**

- Welcome:** Jazpher Quirante
- Borrowed:** 5 items
- Lent:** 3 items
- Recent Activity:**
  - Physics Textbook: Borrowed from Sarah • 2 days ago
  - Scientific Calculator: Lent to Mike • 5 days ago
  - Wireless Headphones: Borrowed from Alex • 1 week ago

**Screenshot 2 (Right):**

- User Profile:** Jazpher Quirante (Icon)
- Email:** jazpherquirante@gmail.com
- Member since:** Feb 2026
- Account Settings:**
  - Edit Profile
  - Change Password
  - Notifications
- Logout**