



CEBU INSTITUTE OF TECHNOLOGY
U N I V E R S I T Y

IT342-Section SYSTEMS INTEGRATION AND ARCHITECTURE 1

FUNCTIONAL REQUIREMENTS SPECIFICATION (FRS)

Project Title:

Prepared By: Ron Luigi Taghoy

Date of Submission:

Version: 0.01

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.

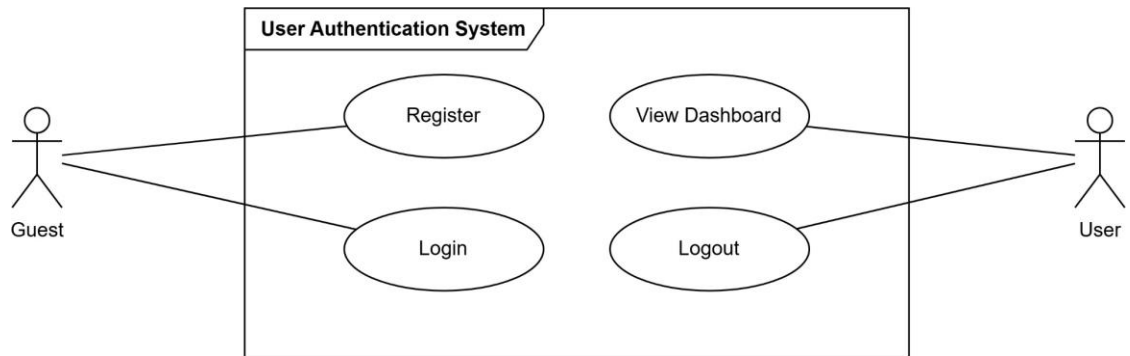
5. System Models (Diagrams)

Insert the necessary diagrams for the system:

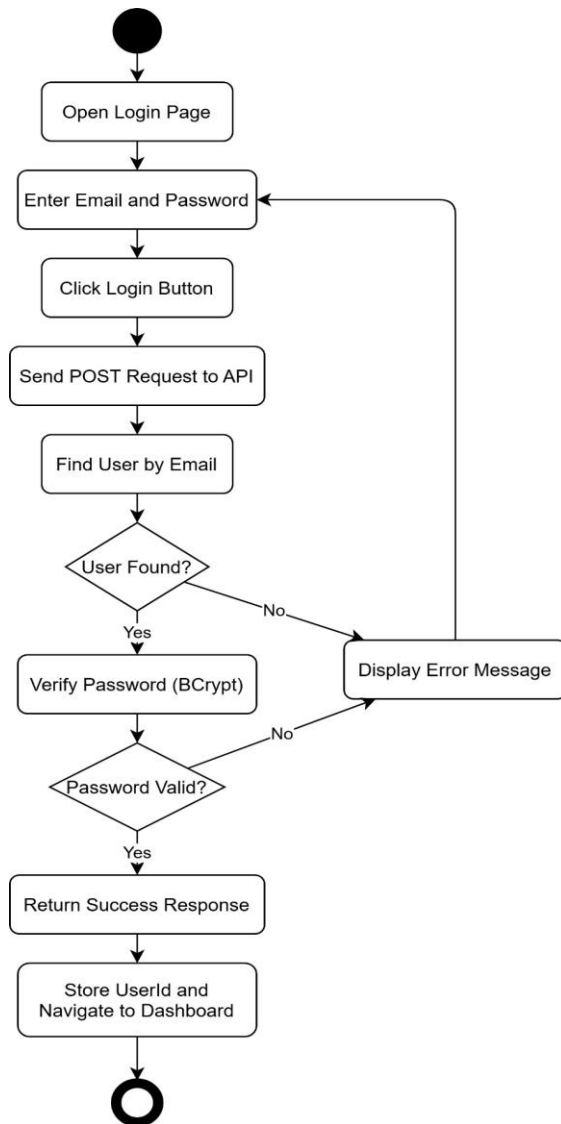
5.1. ERD

Table	
PK	<u>id</u>
	email
	username
	password
	role

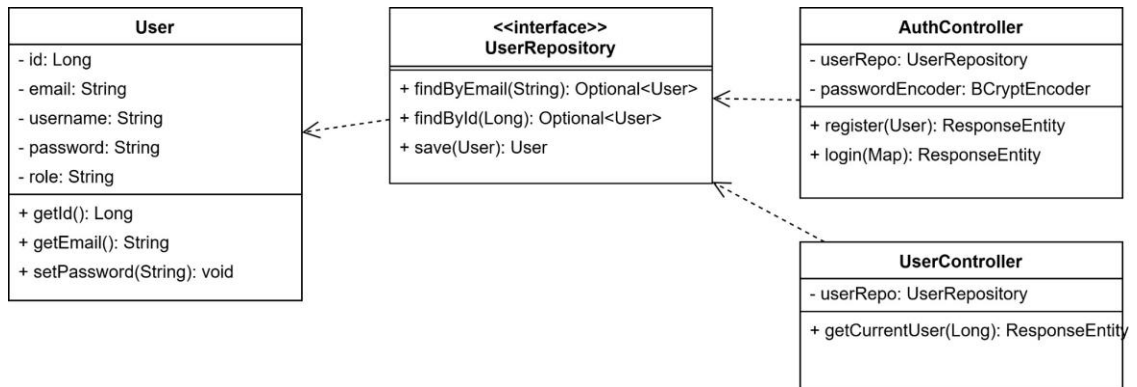
5.2. Use Case Diagram



5.3. Activity Diagram

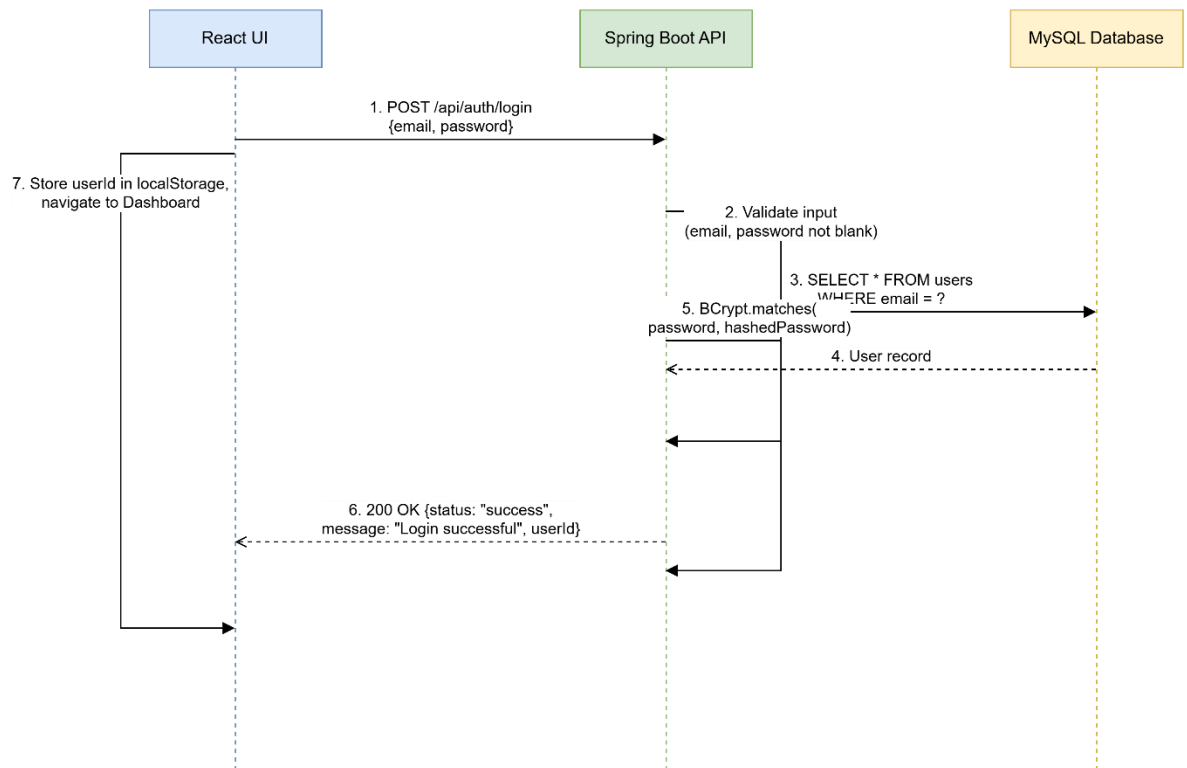


5.4. Class Diagram

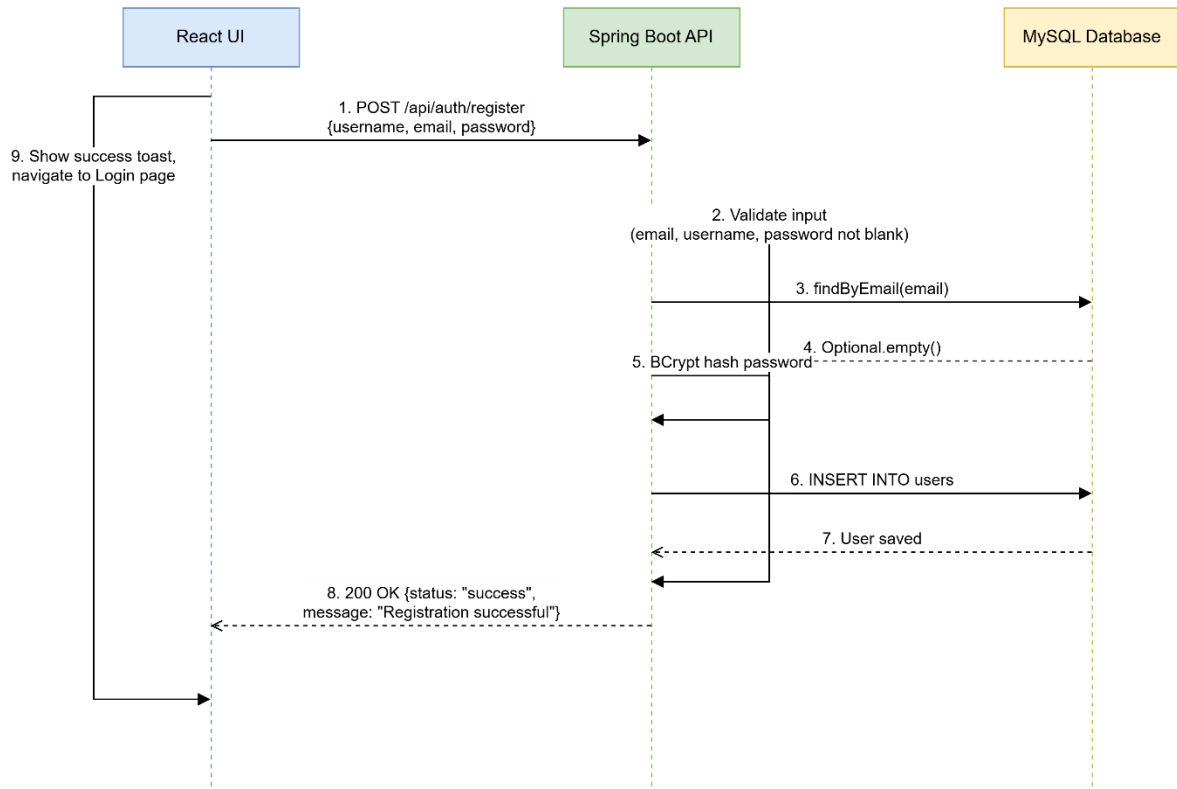


5.5. Sequence Diagram

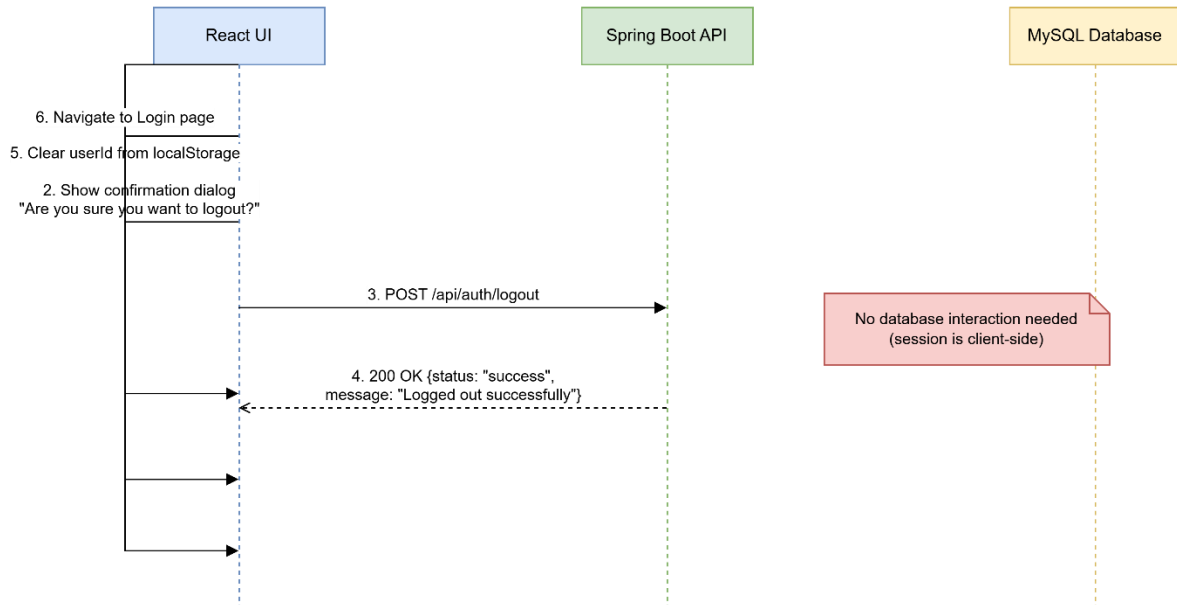
Sequence Diagram — User Login



Sequence Diagram — User Registration



Sequence Diagram — User Logout



6. Appendices

Register:

USER AUTH
CREATE YOUR ACCOUNT

USERNAME
Choose a username

EMAIL
Enter your email

PASSWORD
Create a secure password

REGISTER

Already have an account? [Login](#)

Login:

USER AUTH
LOGIN TO YOUR ACCOUNT

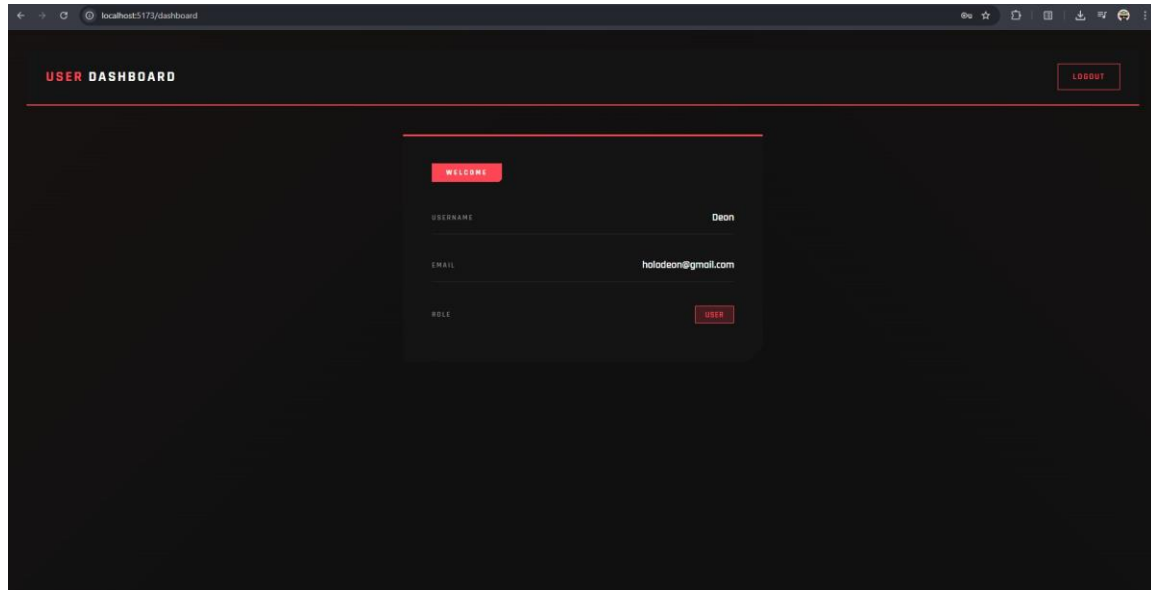
EMAIL
Enter your email

PASSWORD
Enter your password

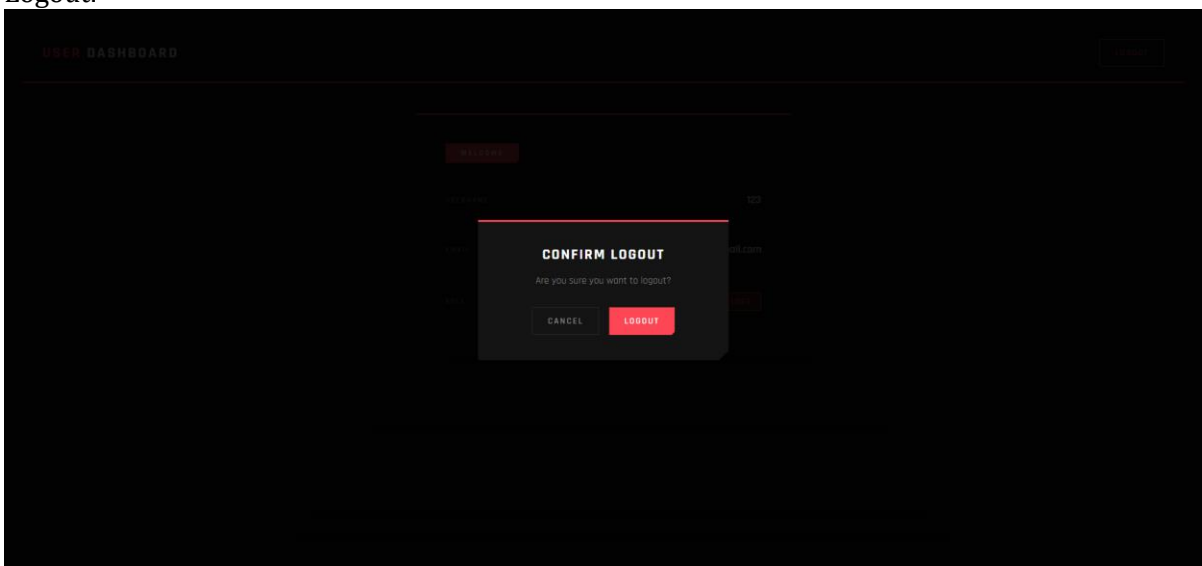
LOGIN

Don't have an account? [Register](#)

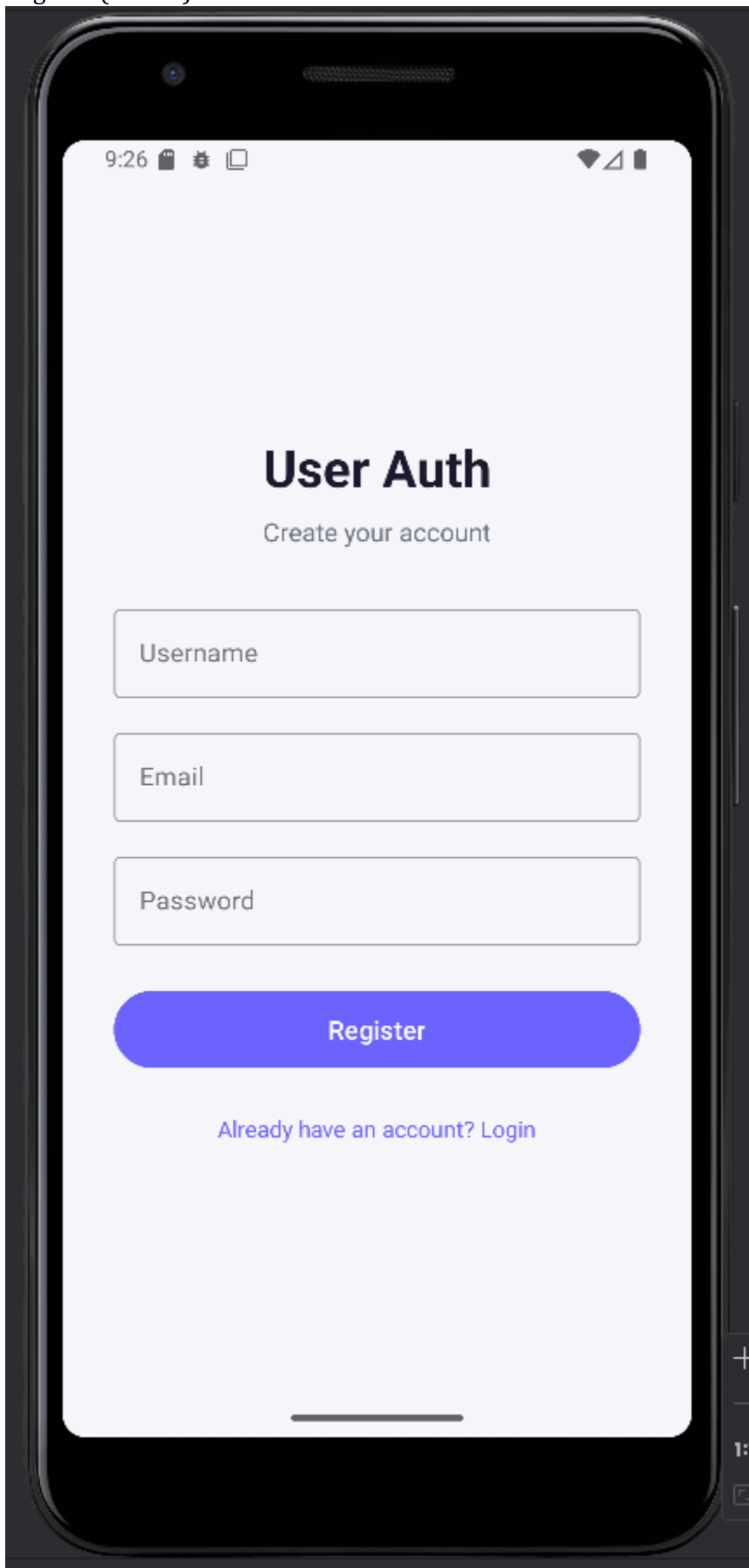
Dashboard/Profile:



Logout:



Register (Mobile):

A mobile application interface for user registration. The screen is white with a black status bar at the top showing the time 9:26 and various icons. The main heading is "User Auth" in bold black text, followed by the subtitle "Create your account" in a smaller font. Below these are three input fields: "Username", "Email", and "Password", each with a light gray border. A prominent blue rounded button labeled "Register" is positioned below the input fields. At the bottom, there is a link in blue text that says "Already have an account? Login". The entire interface is framed by a black border representing the phone's bezel.

9:26

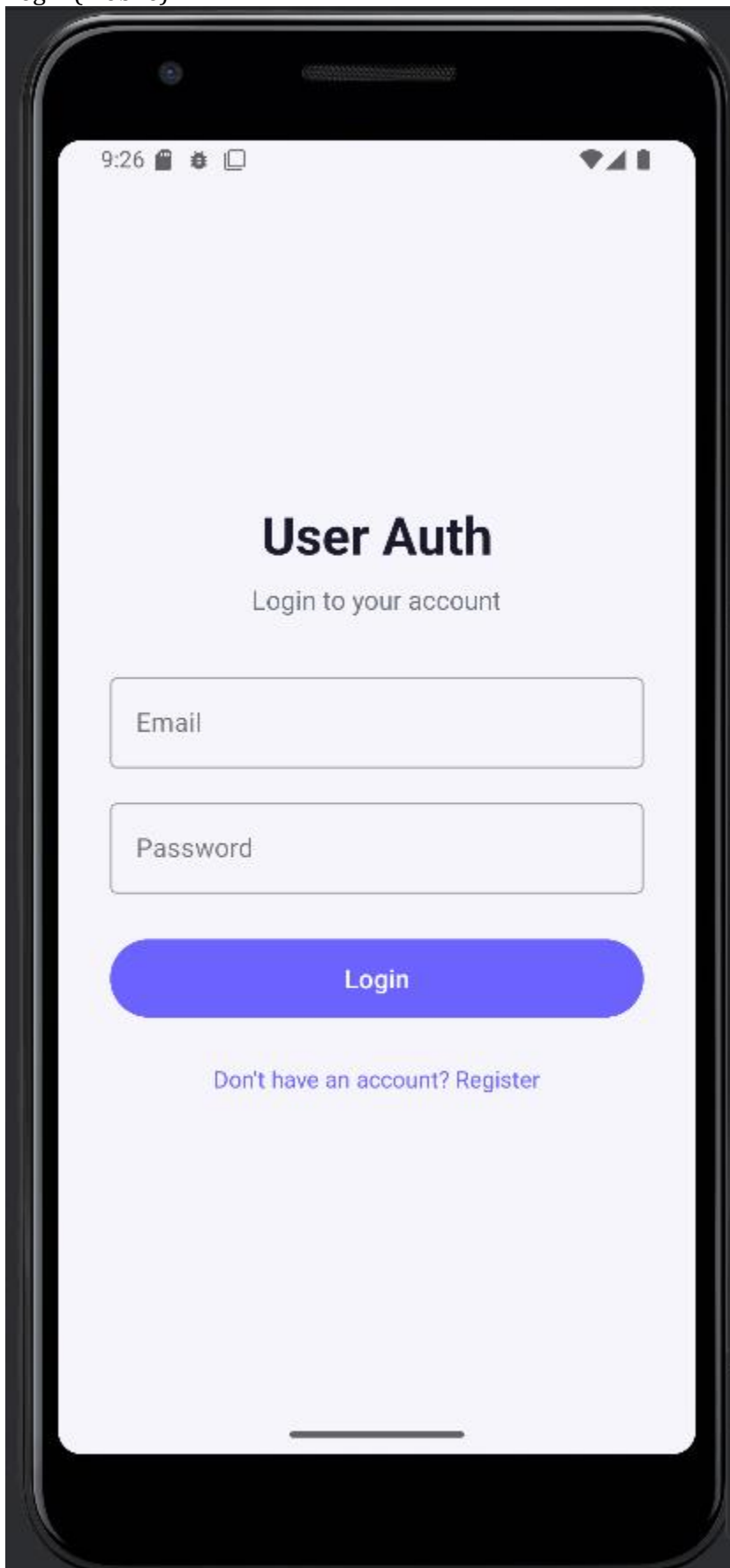
User Auth

Create your account

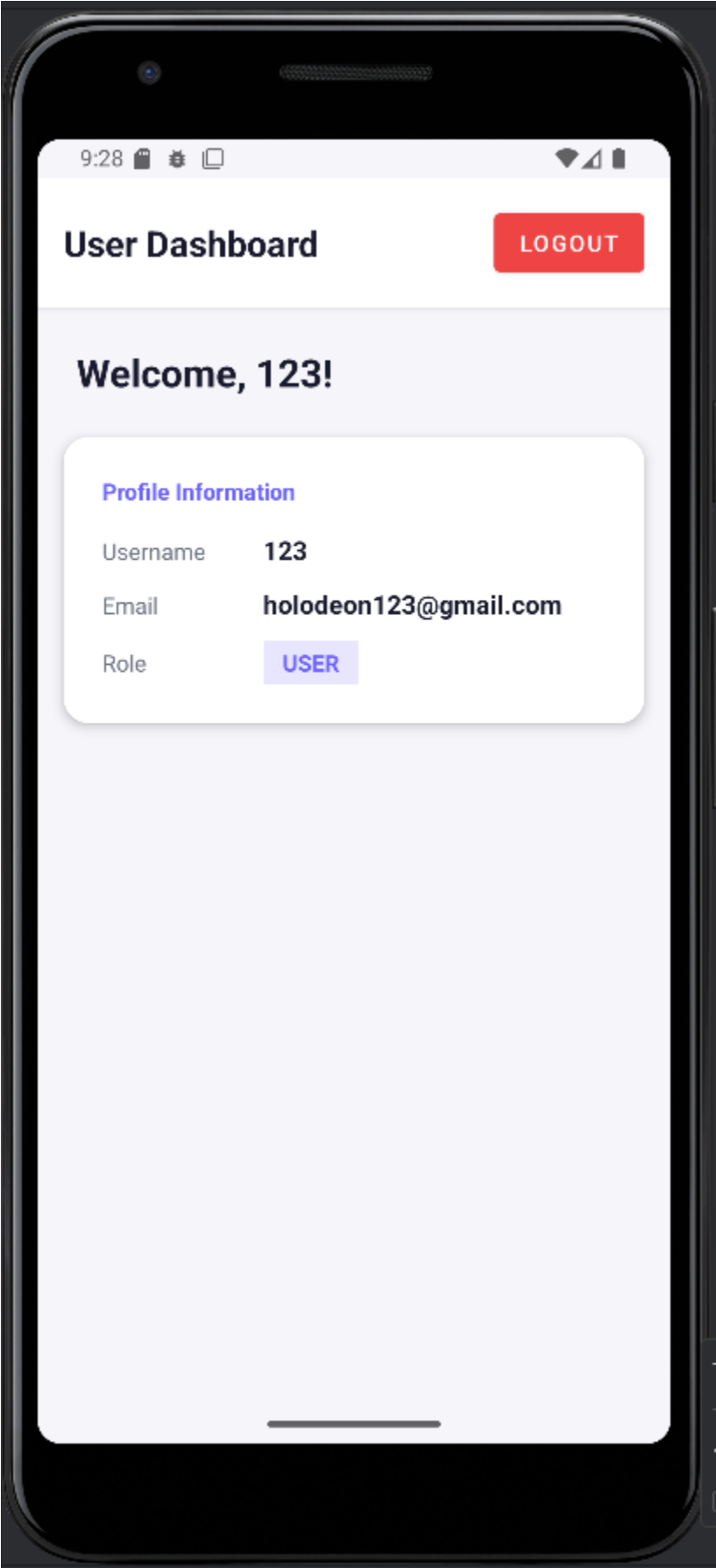
Register

[Already have an account? Login](#)

Login (Mobile):



Dashboard/Profile (Mobile):



Logout (Mobile):

