CEBU INSTITUTE OF TECHNOLOGY
UNIVERSITY

IT342-Section SYSTEMS INTEGRATION AND ARCHITECTURE 1

FUNCTIONAL REQUIREMENTS SPECIFICATION (FRS)

Project Title: Mini App – User Registration & Authentication

Prepared By: Patrick James A. Cantero

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1. Introduction

1.1. Purpose

The purpose of this document is to describe the requirements and design of a User Registration and Authentication System. This system allows users to register an account, log in, view their profile or dashboard, and log out securely.

1.2. Scope

The system will provide basic user authentication features, including: User account registration, User login and logout, Viewing of protected user profile or dashboard pages

1.3. Definitions, Acronyms, and Abbreviations

User - A person who interacts with the system
Guest User - A user who has not logged in and has no stored account
Authenticated User - A registered user who has successfully logged in

2. Overall Description

2.1. System Perspective

The system, called Mini App – User Registration & Authentication, is a web-based application developed using a React front-end and a Spring Boot back-end.

2.2. User Classes and 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

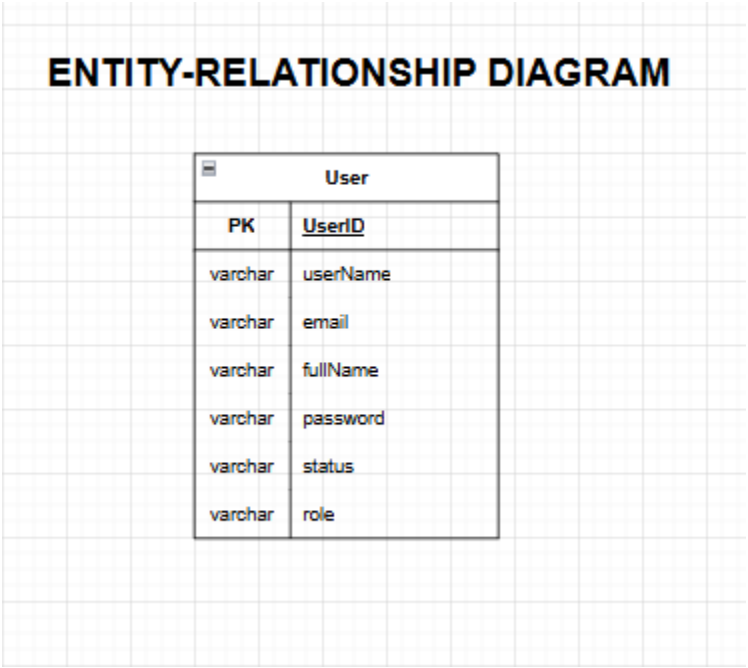
Specify system quality attributes such as performance, security, usability, reliability, etc.

5. System Models (Diagrams)

Insert the necessary diagrams for the system:

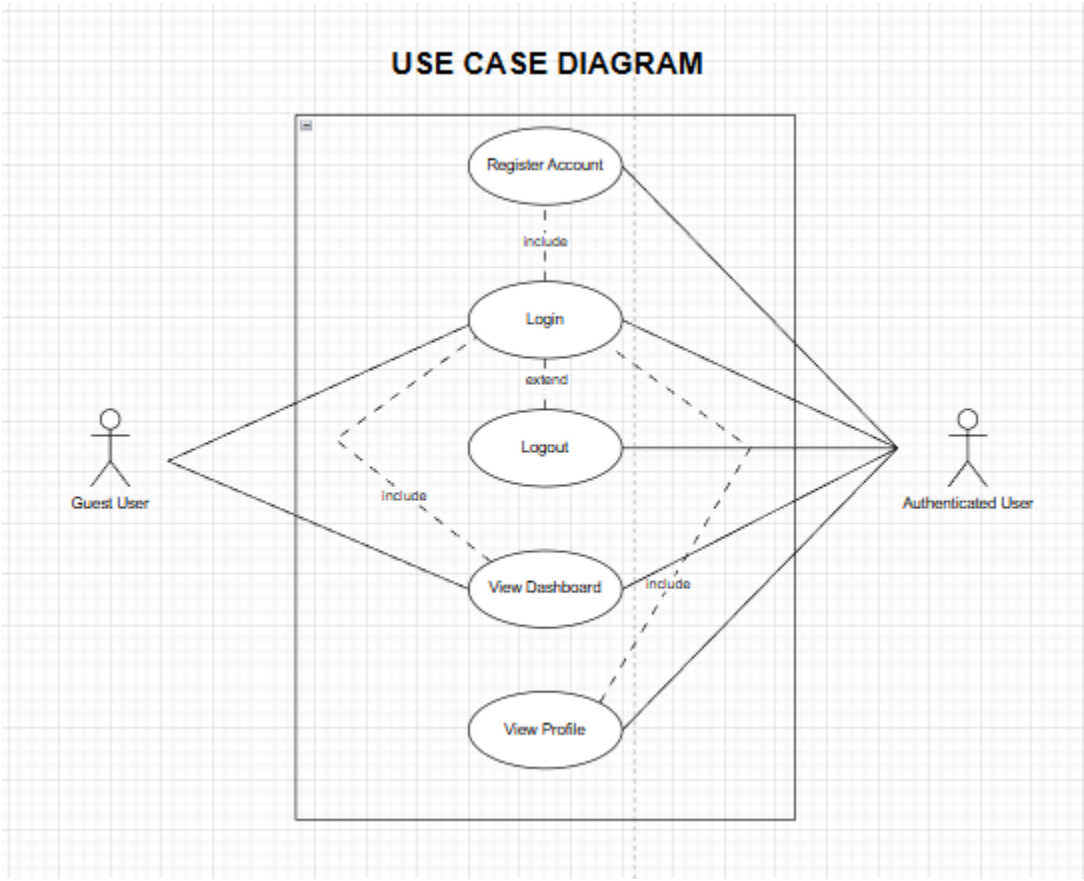
5.1. ERD

Insert ERD here



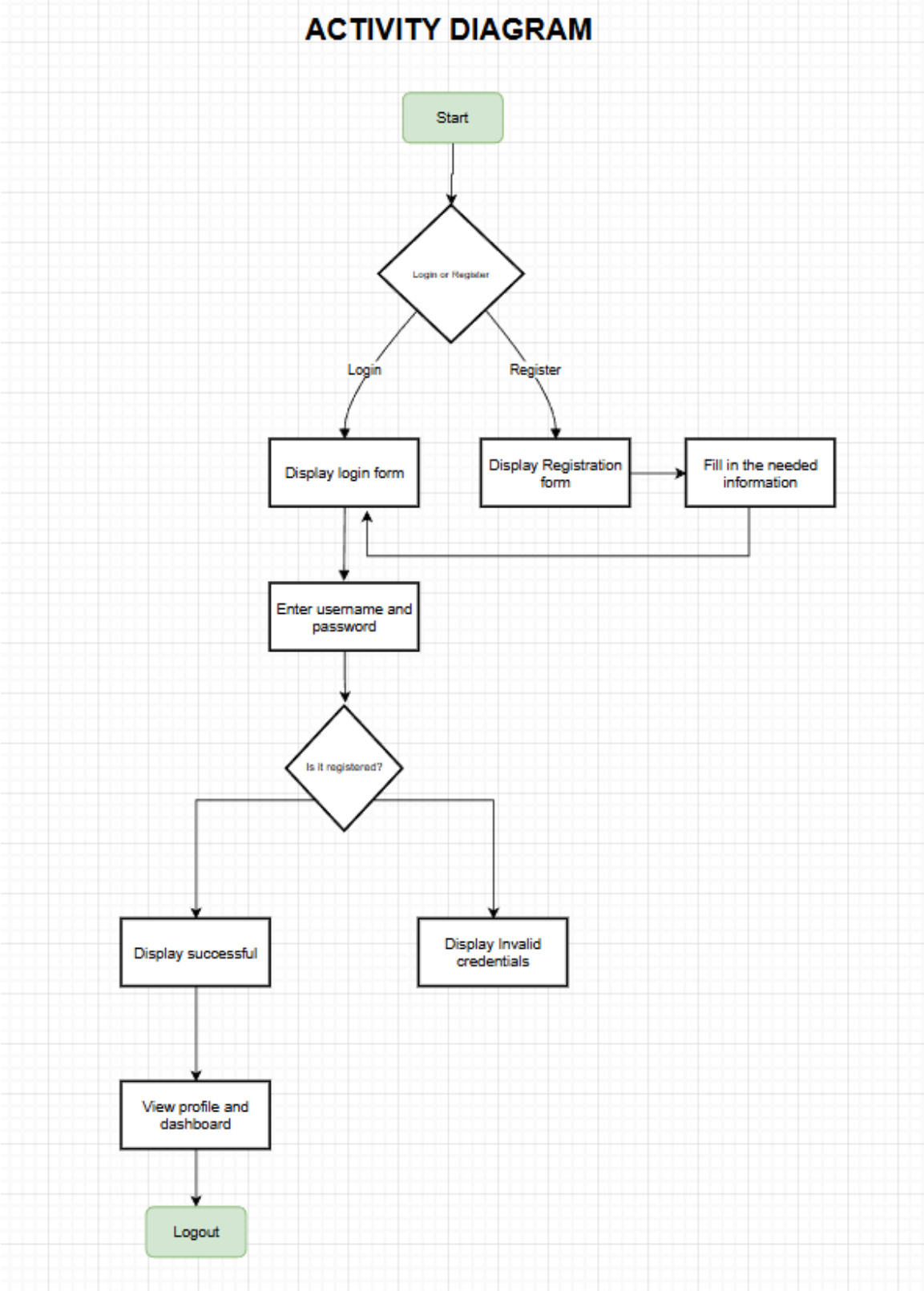
5.2. Use Case Diagram

Insert ERD here

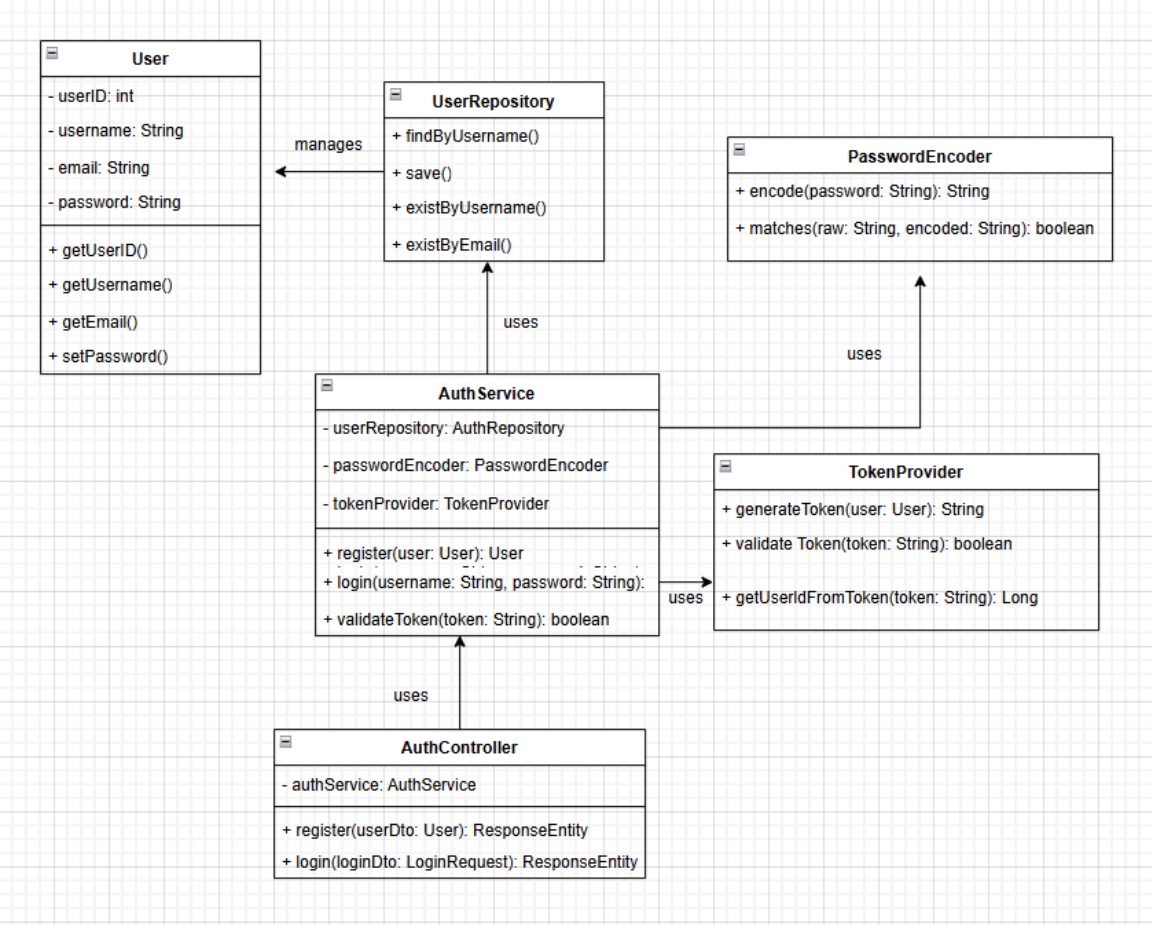


5.3. Activity Diagram

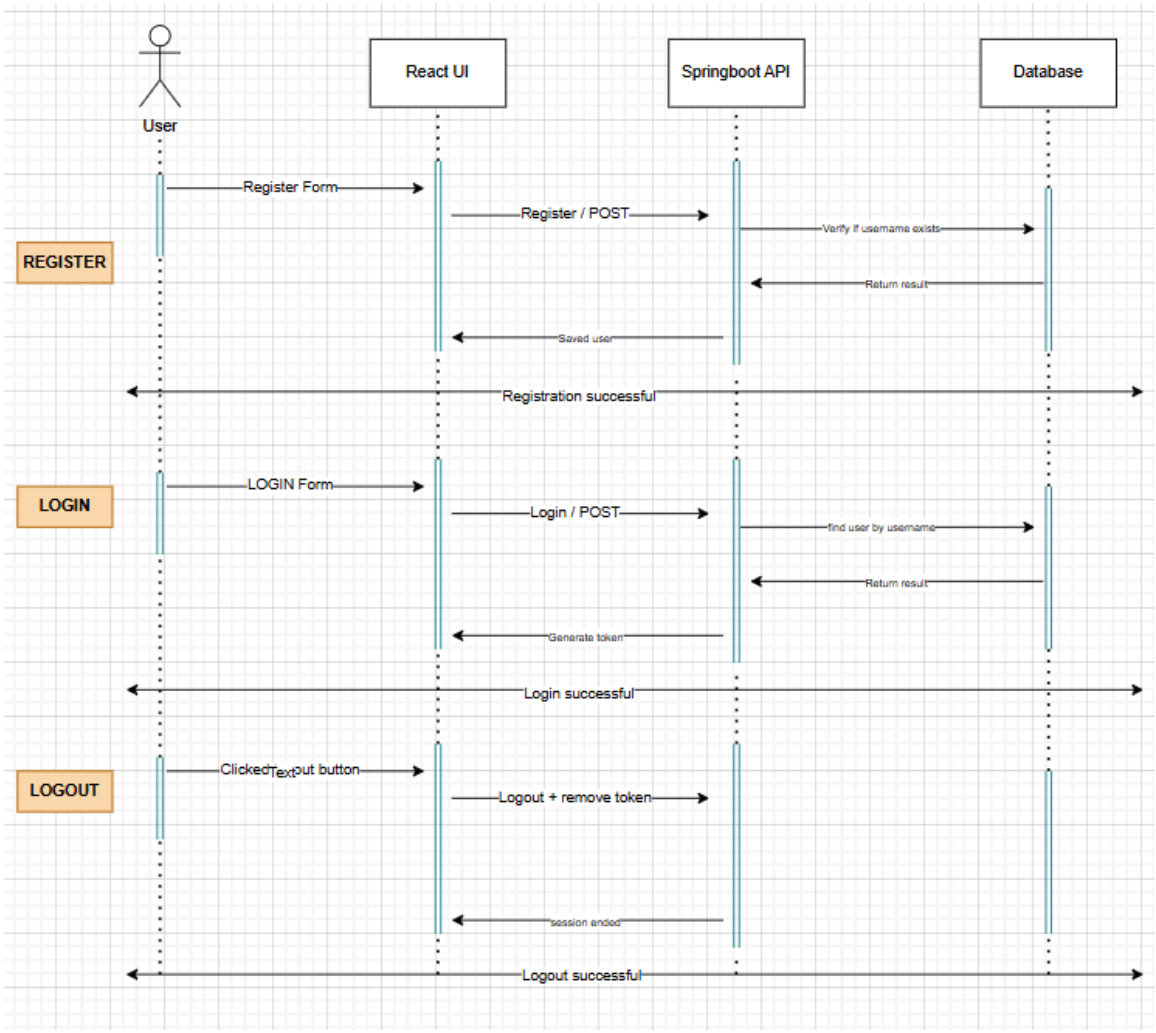
Insert ERD here



5.4. Class Diagram

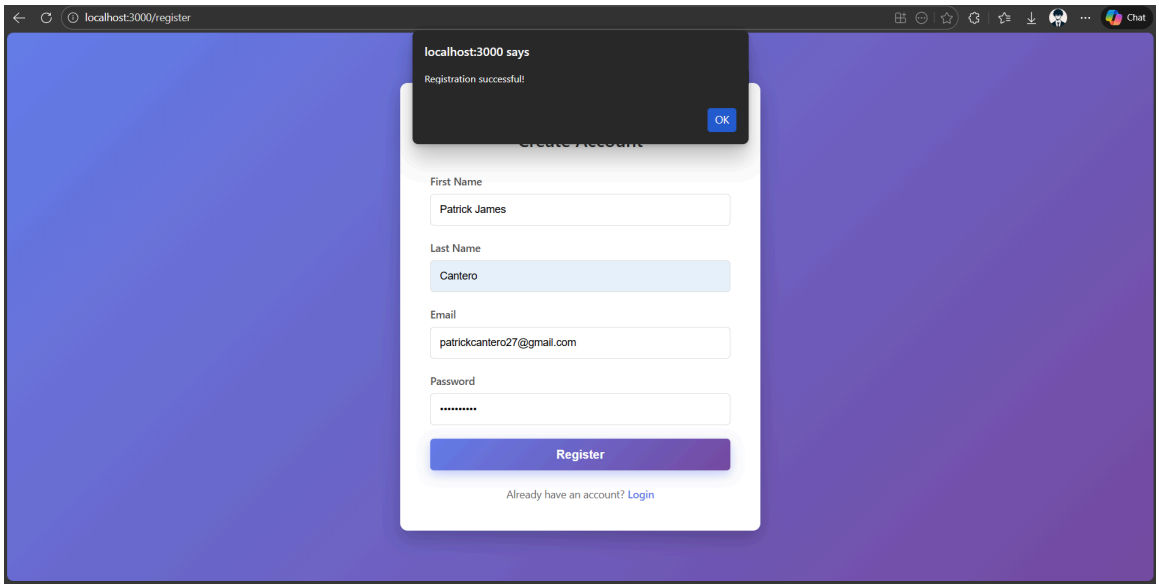


5.5. Sequence Diagram

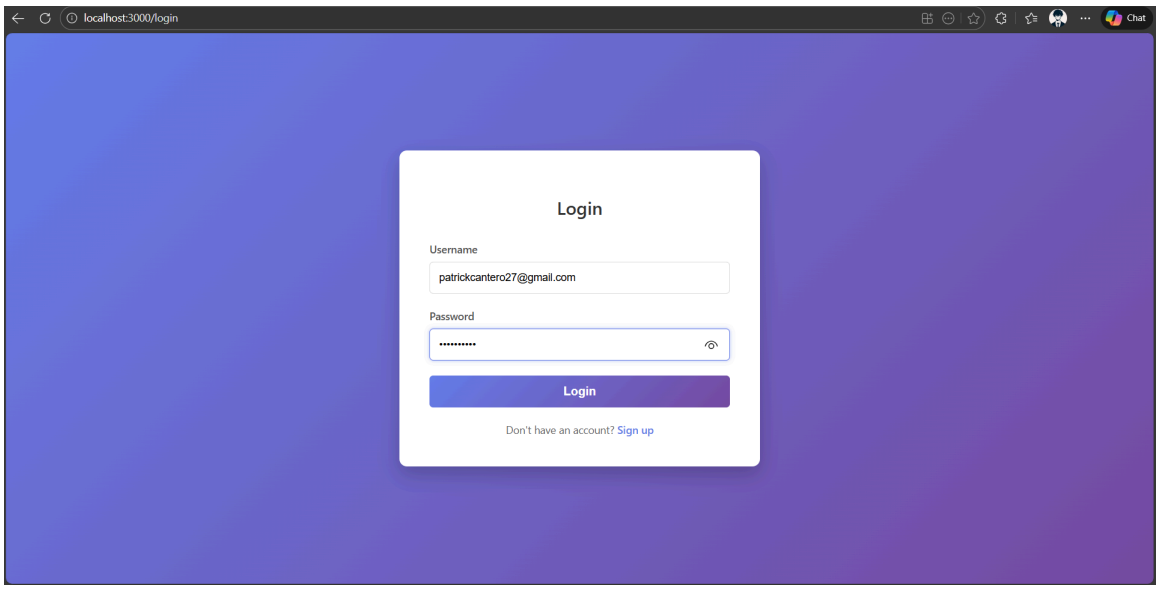


6. WEB UI

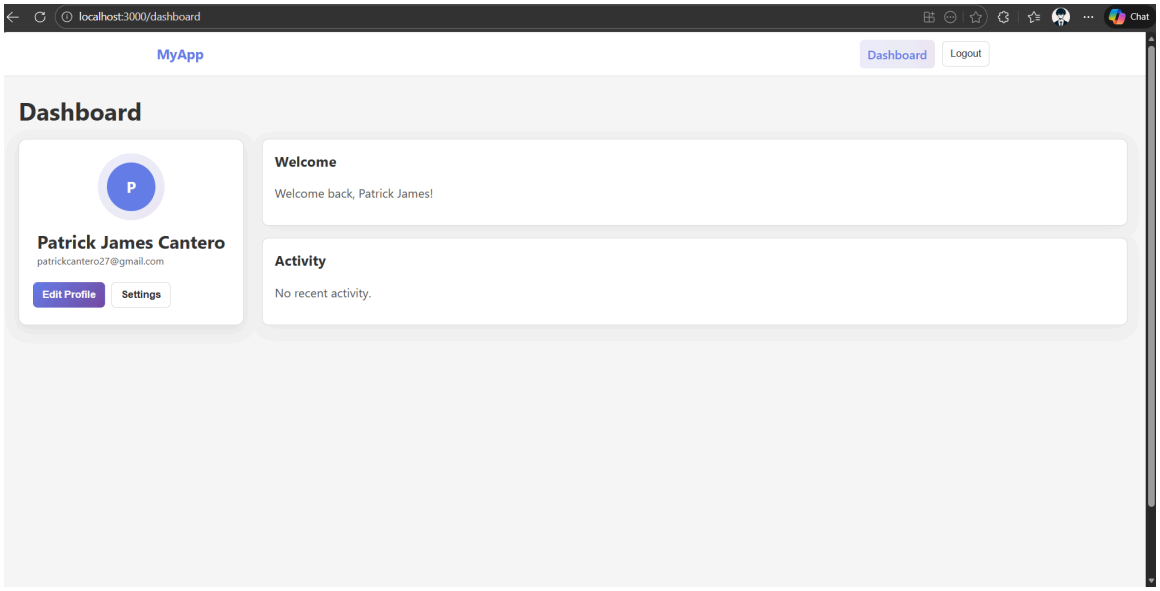
REGISTER



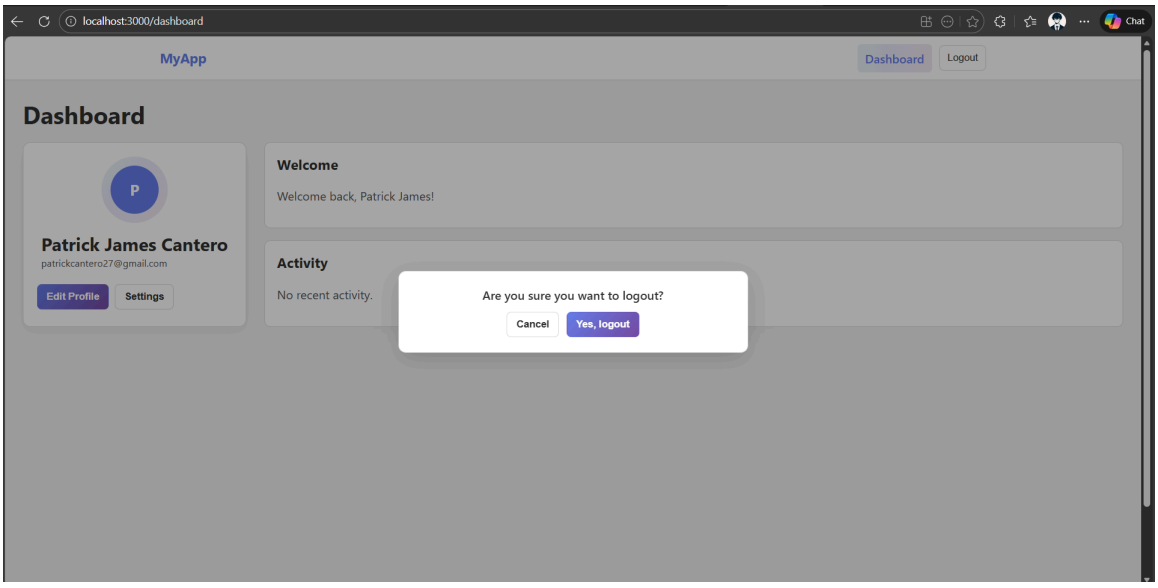
LOGIN



DASHBOARD



LOGOUT



7. Appendices

Include any additional information, references, or support materials.