



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

IT342-G2 SYSTEMS INTEGRATION AND ARCHITECTURE 1

FUNCTIONAL REQUIREMENTS SPECIFICATION (FRS)

Project Title:

Prepared By: Julianna Carmel Estrada

Date of Submission: February 22, 2026

Version: 1.3

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.

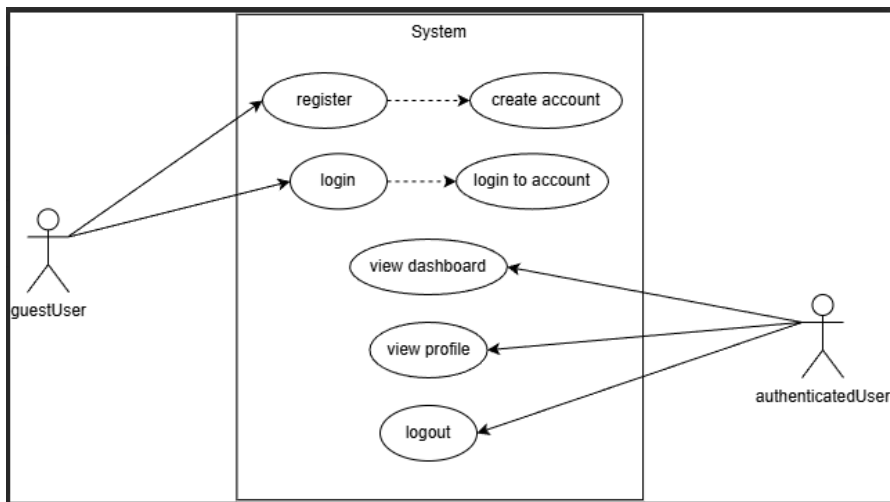
5. System Models (Diagrams)

Insert the necessary diagrams for the system:

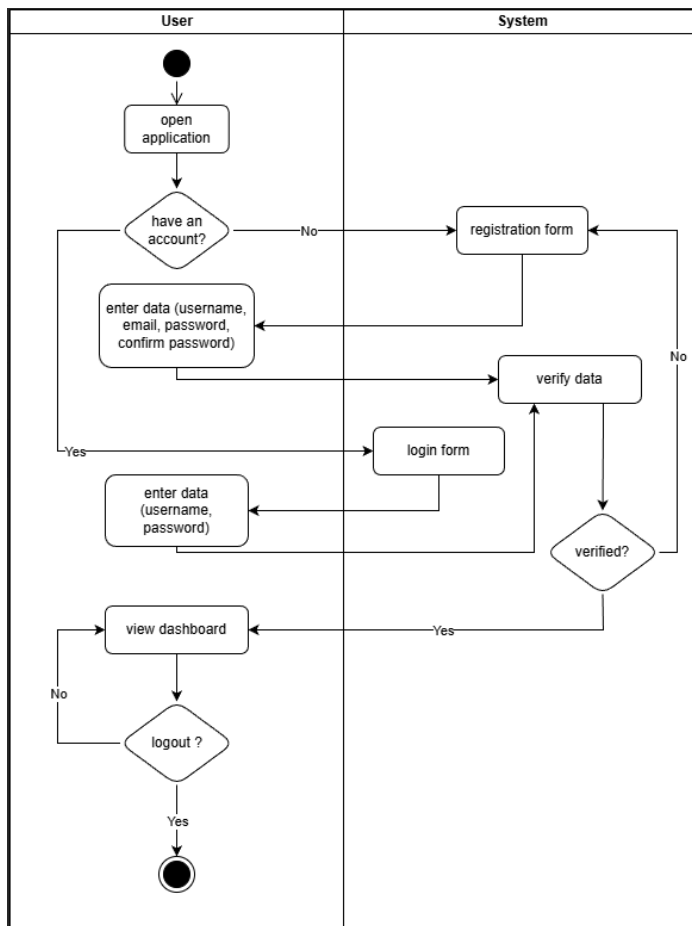
5.1. ERD

User	
PK	<u>userID</u>
	userEmail
	userName
	password
	role
	enabled

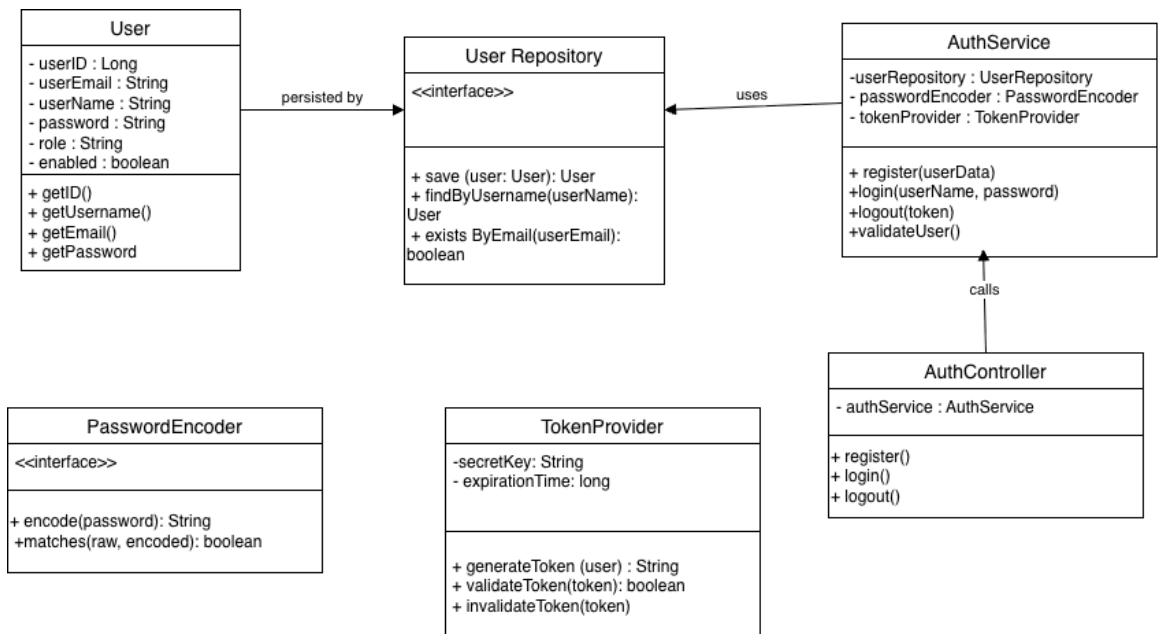
5.2. Use Case Diagram



5.3. Activity Diagram

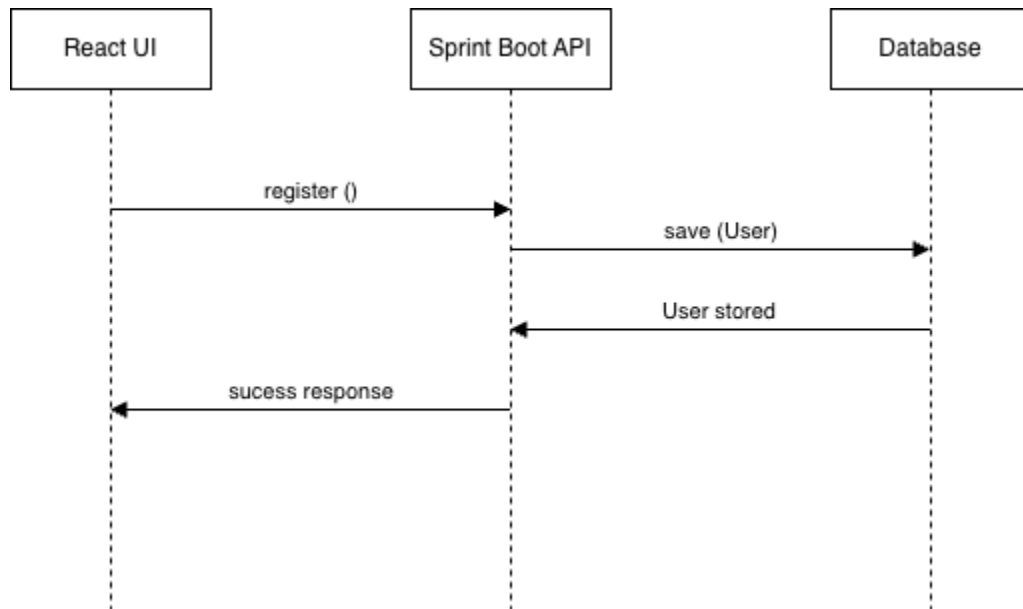


5.4. Class Diagram

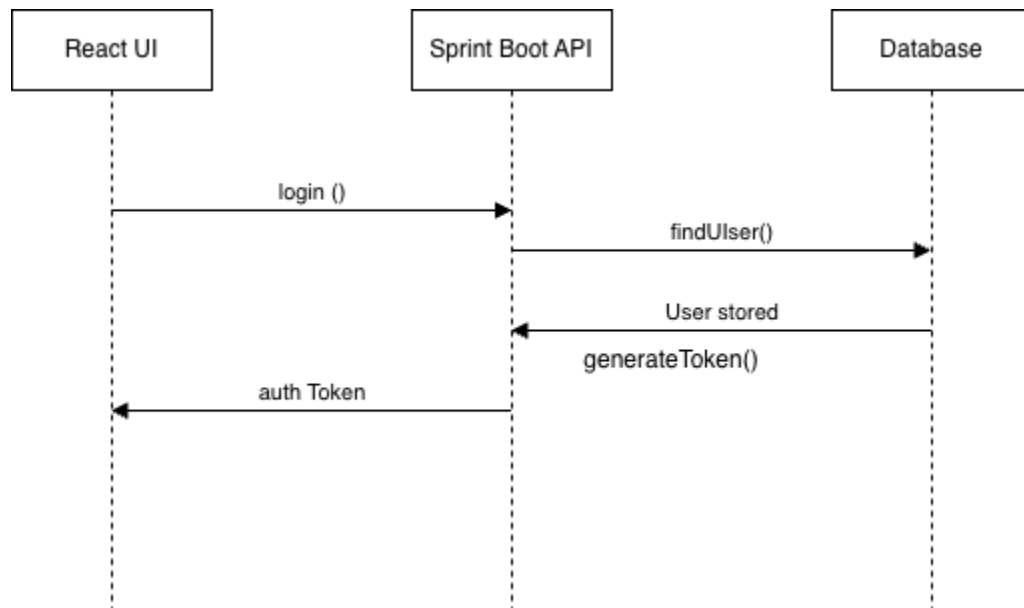


5.5. Sequence Diagram

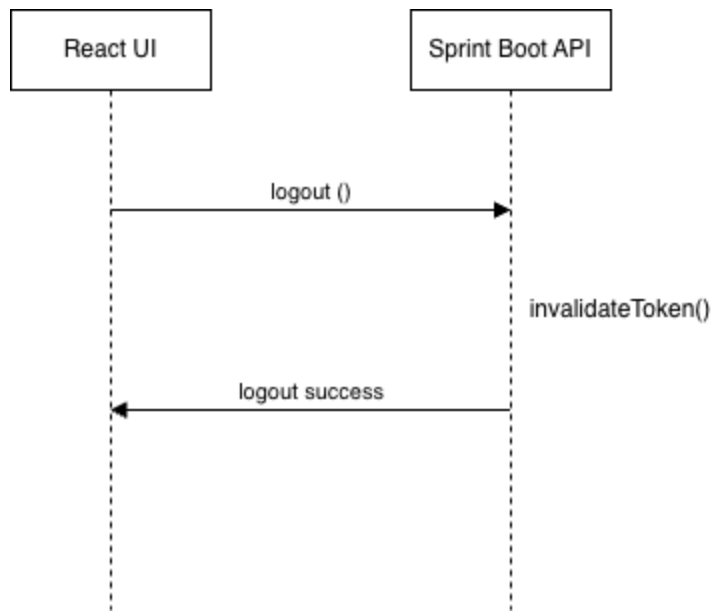
A. Register Sequence



B. Login Sequence



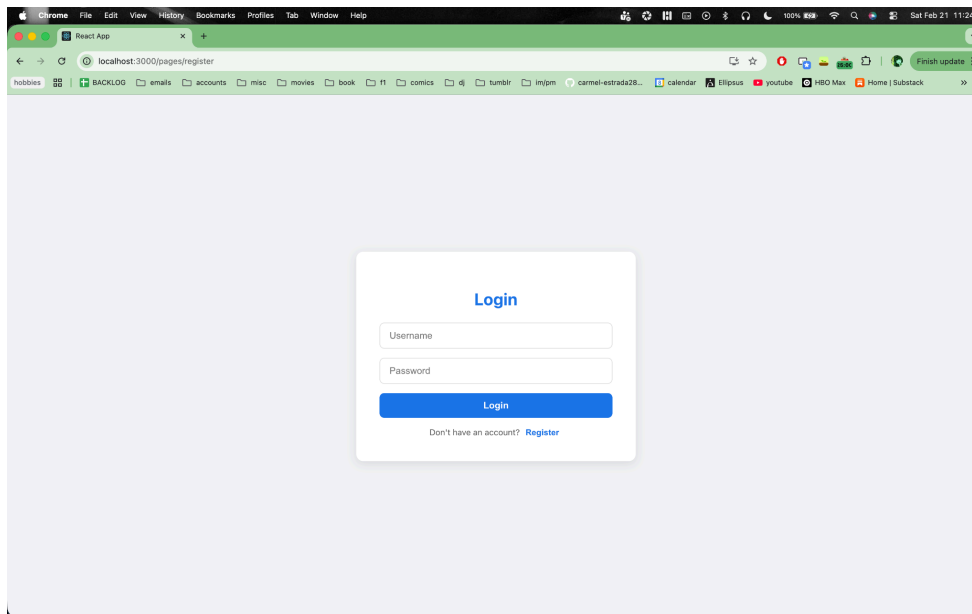
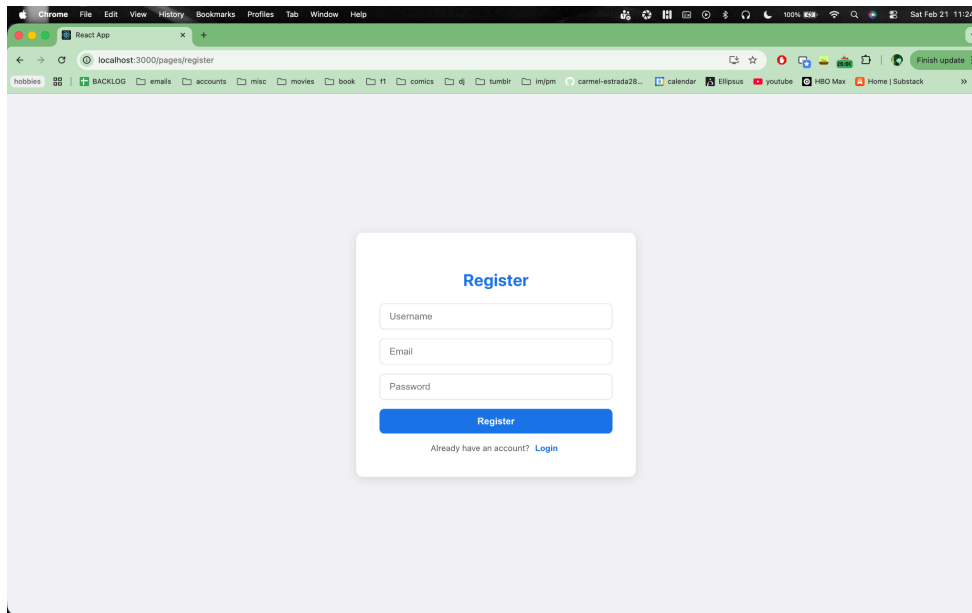
C. Logout Sequence



6. Appendices

Include any additional information, references, or support materials.

WEB (initial design):



MOBILE (initial ui design)

