



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

IT342-G1 SYSTEMS INTEGRATION AND ARCHITECTURE 1

FUNCTIONAL REQUIREMENTS SPECIFICATION (FRS)

Project Title: **User Registration & Authentication**

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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:

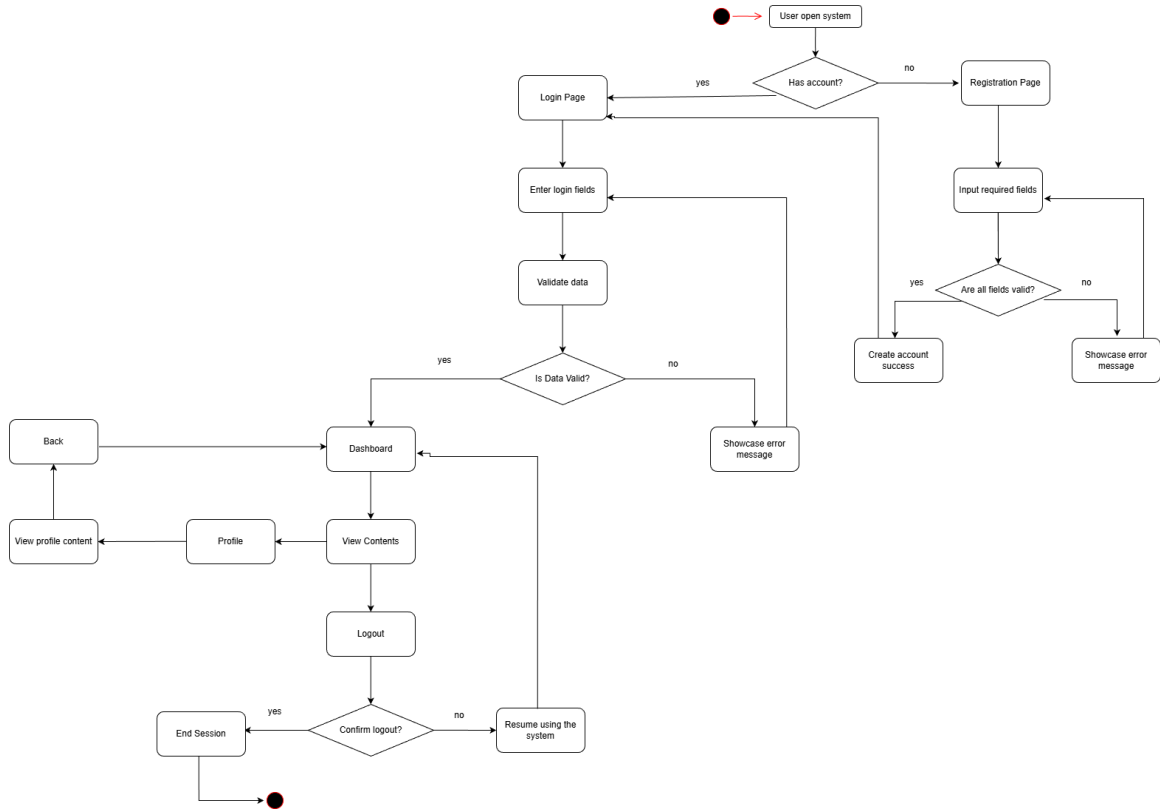
5.1. ERD

User	
PK	<u>UserId</u>
	username
	email
	password
	firstname
	lastname

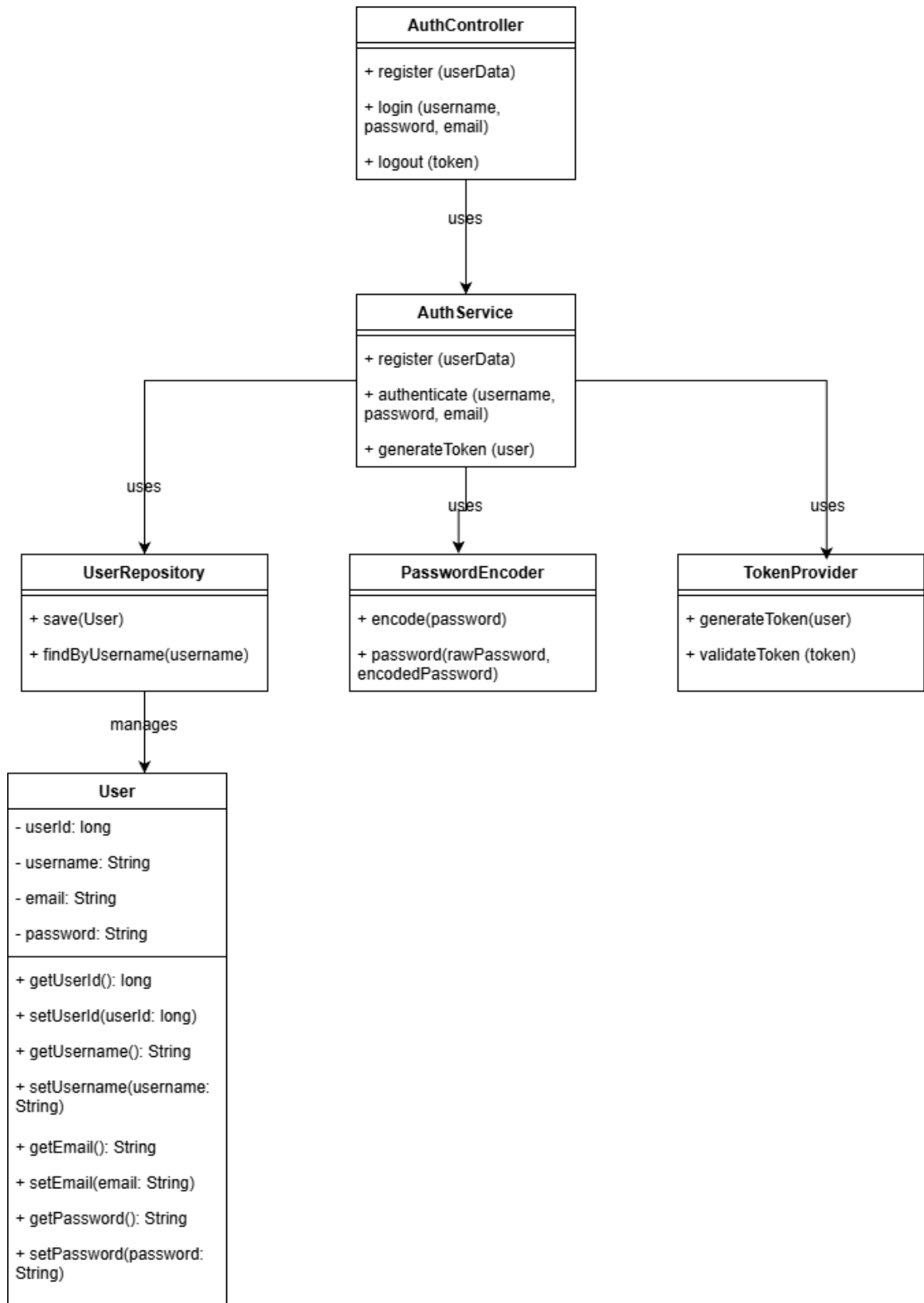
5.2. Use Case Diagram



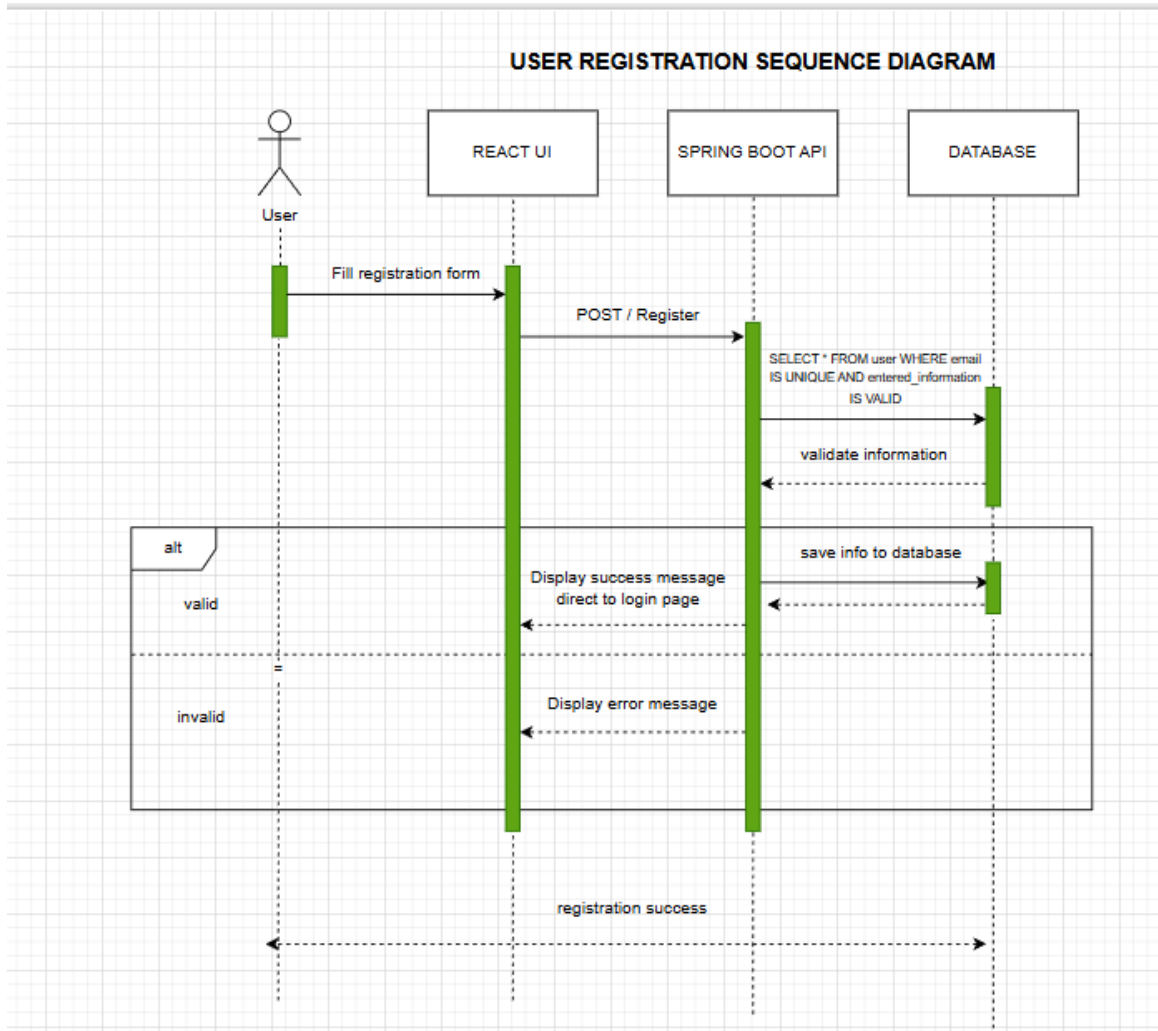
5.3. Activity Diagram



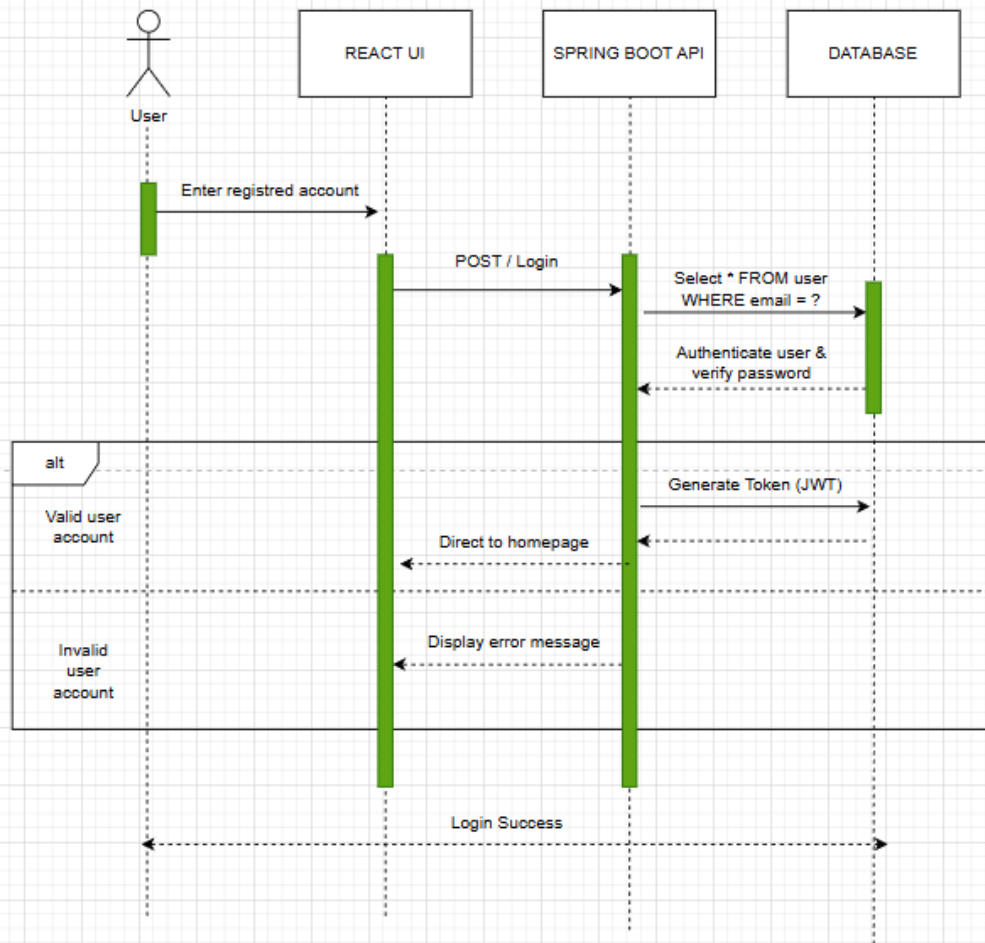
5.4. Class Diagram

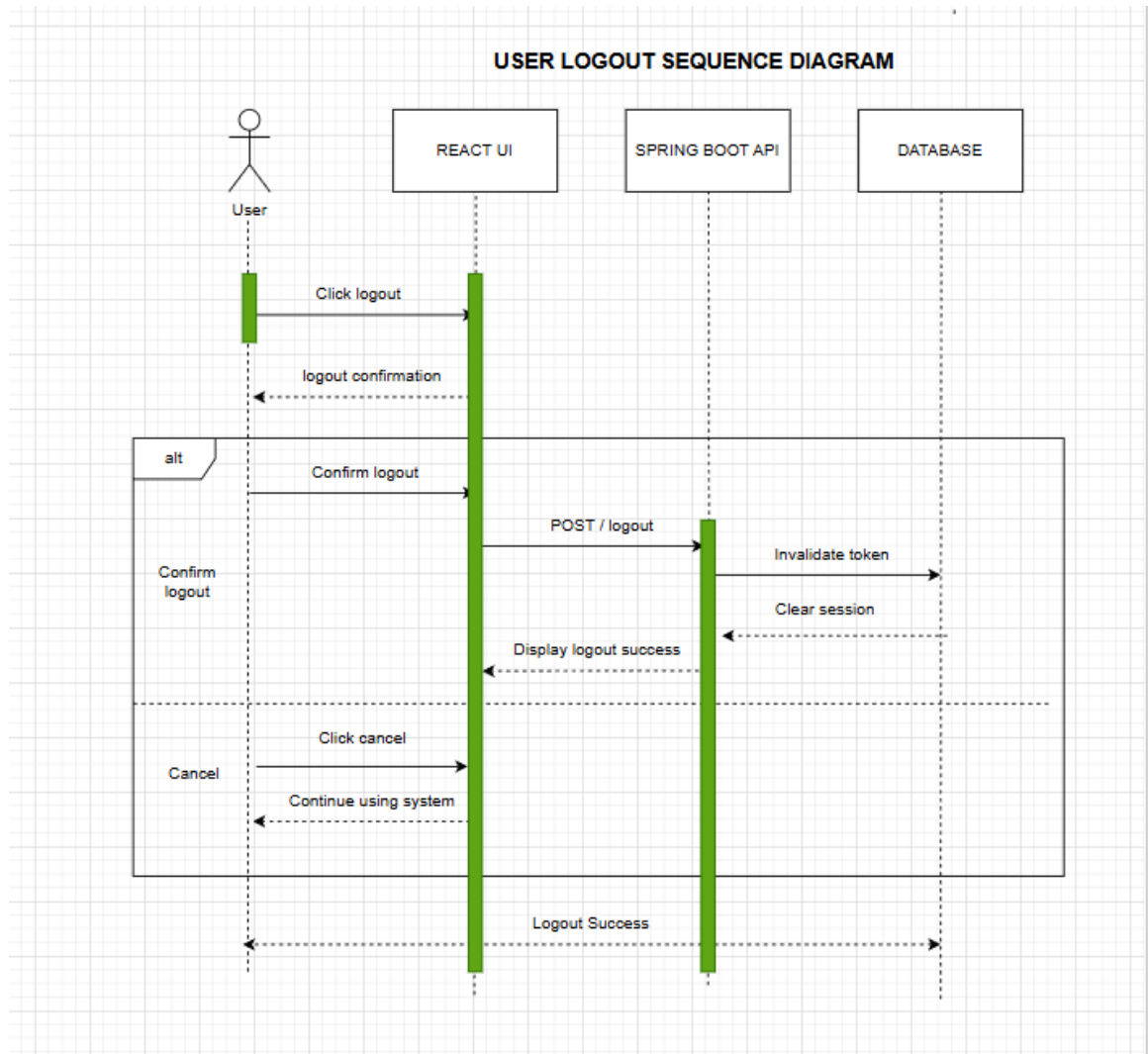


5.5. Sequence Diagram



USER LOGIN SEQUENCE DIAGRAM





6. Appendices

References / Tools Used:

- **Draw.io** – for diagrams and flowcharts
- **ChatGPT** – for guidance and diagram suggestions
- **Google** – for research and reference

