



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

# **IT342-G5 SYSTEMS INTEGRATION AND ARCHITECTURE 1**

---

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

---

Project Title:

Prepared By: Ceniza, Jian Marc

Date of Submission: 02/06/2026

Version: 1.1

# 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

## Introduction

### 1.1. Purpose Describe the purpose of the system and the intended audience

Describe what the system will do and its boundaries.

### 1.2. 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:

- 
- 
-

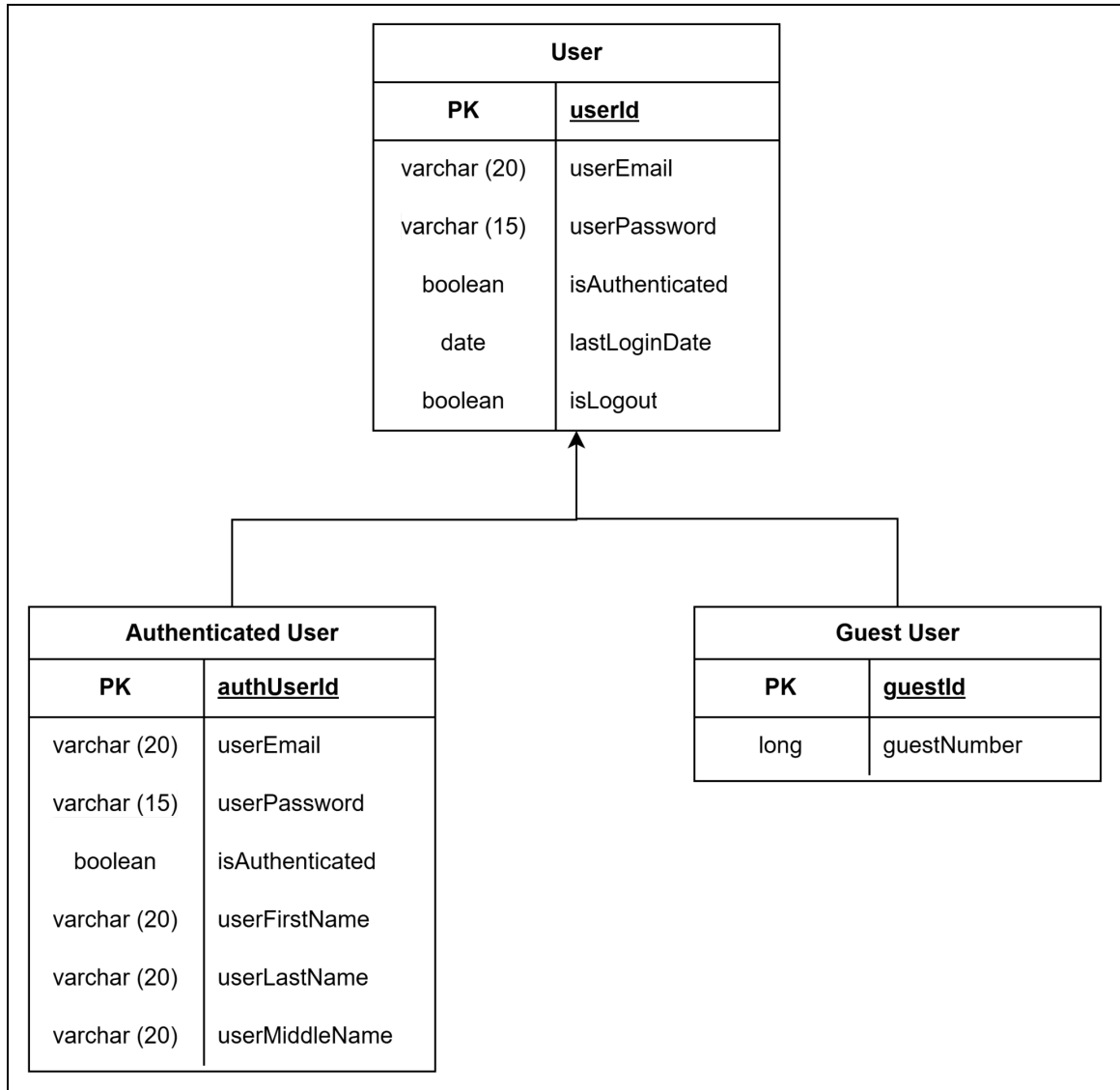
#### 4. Non-Functional Requirements

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

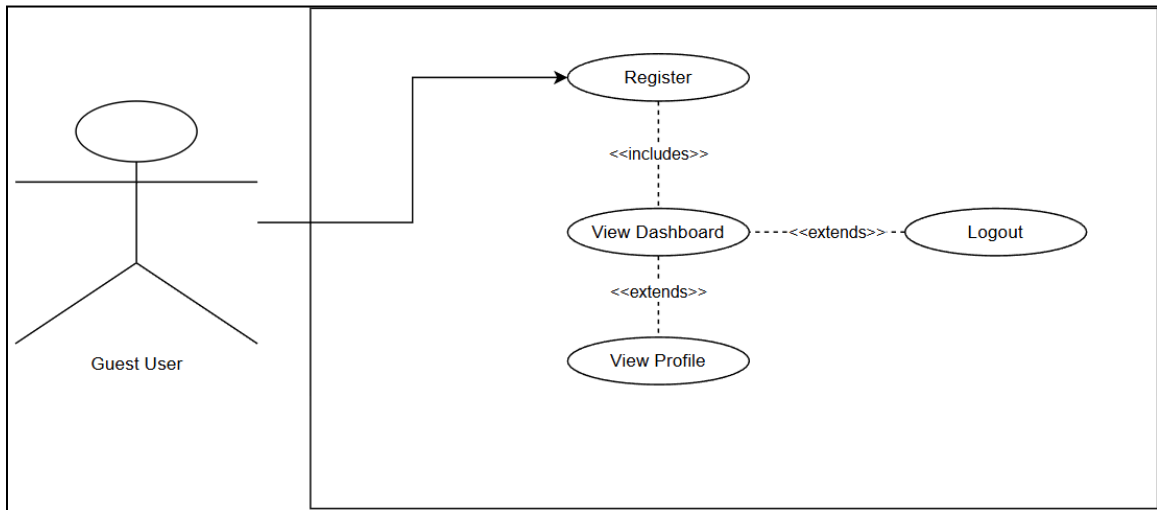
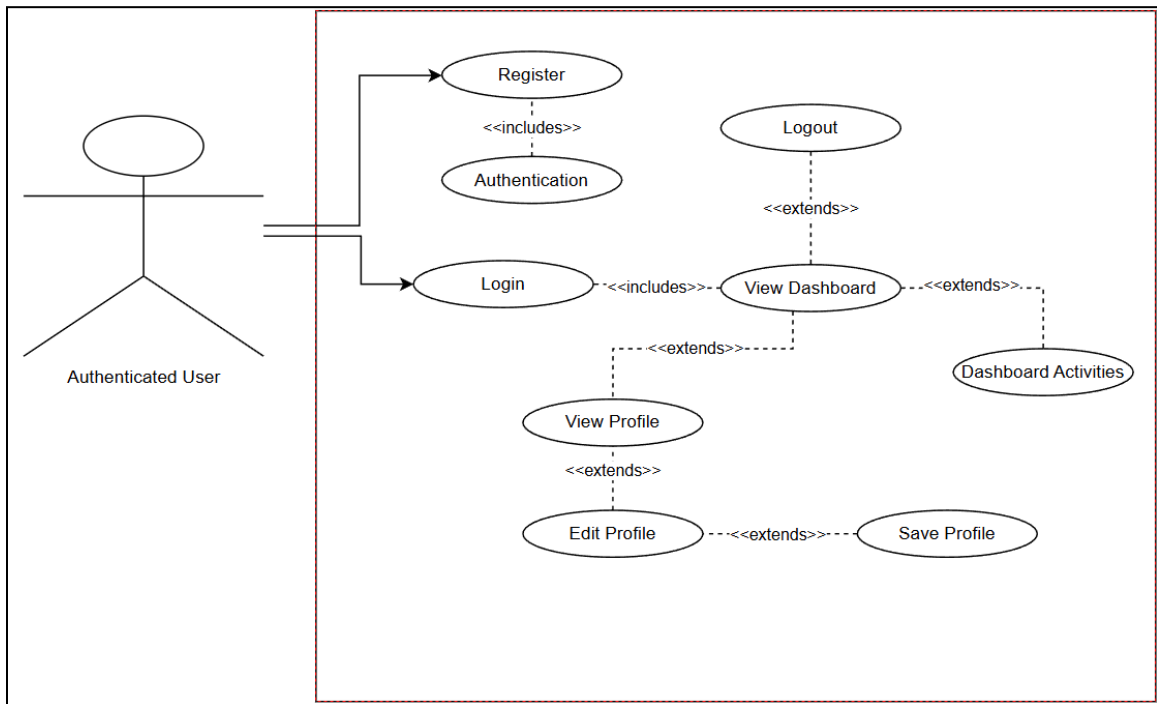
#### 5. System Models (Diagrams)

*Insert the necessary diagrams for the system:*

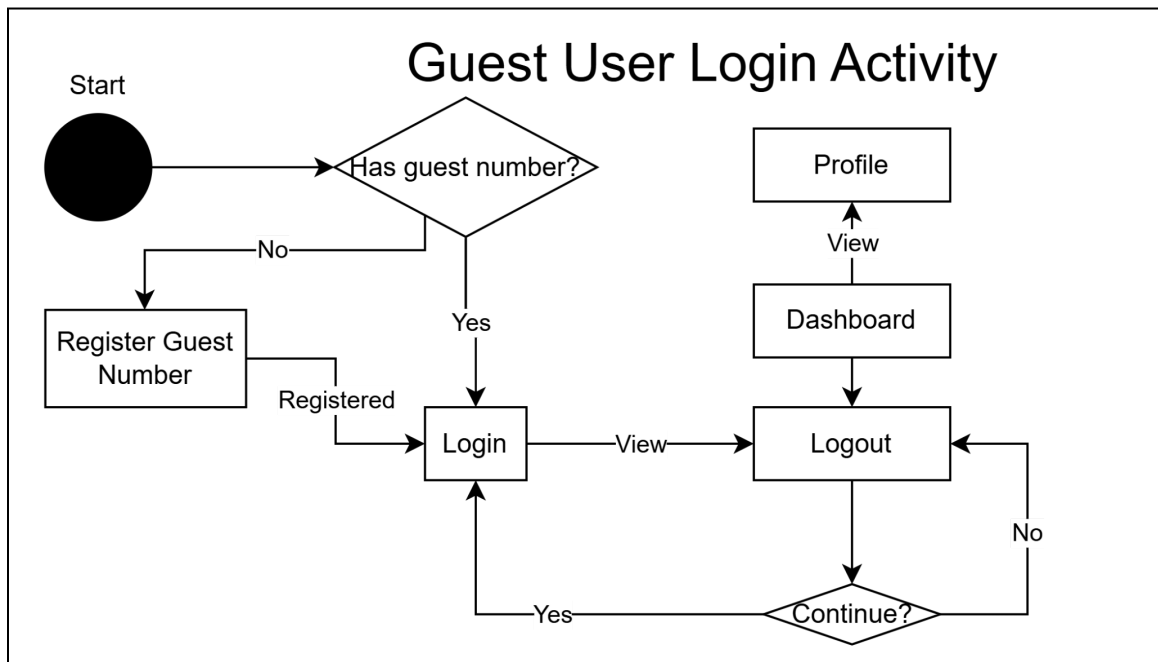
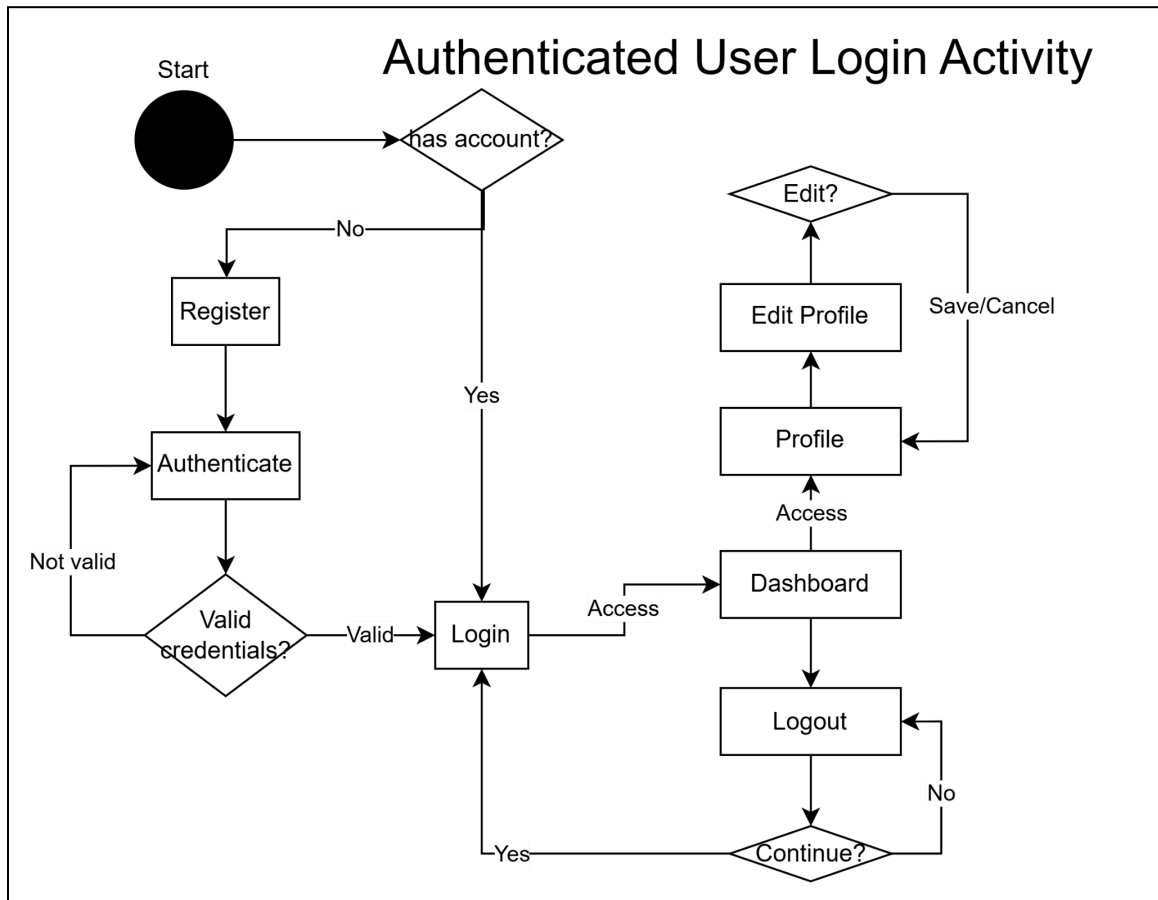
##### 5.1. ERD



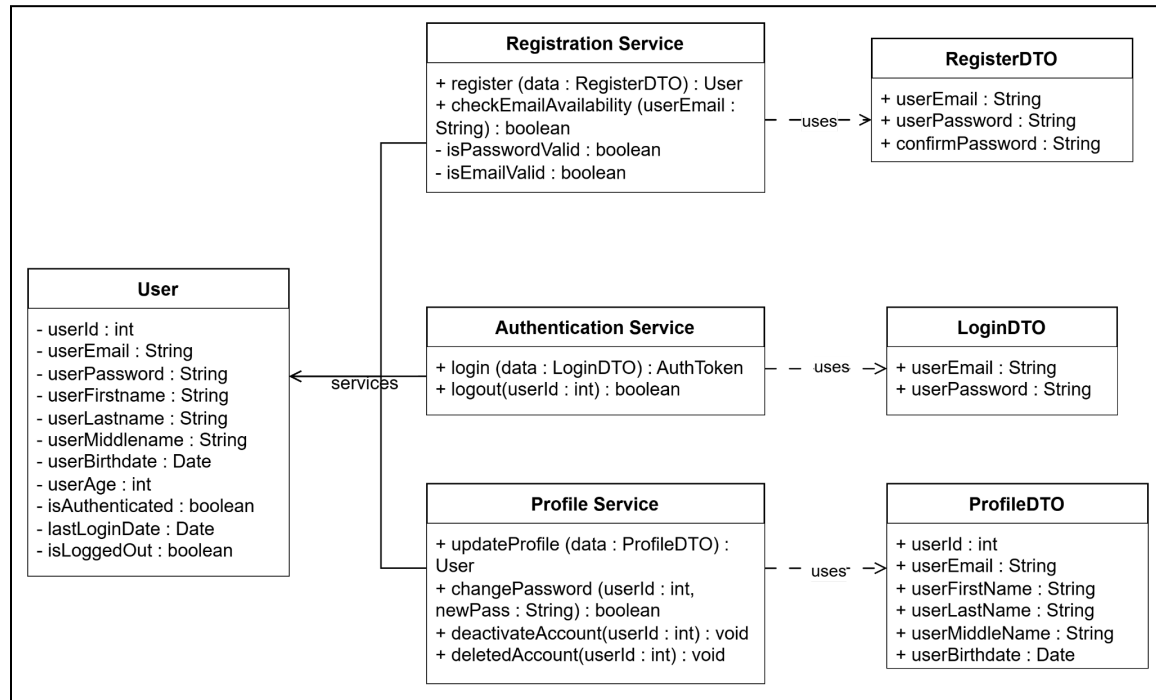
## 5.2. Use Case Diagram



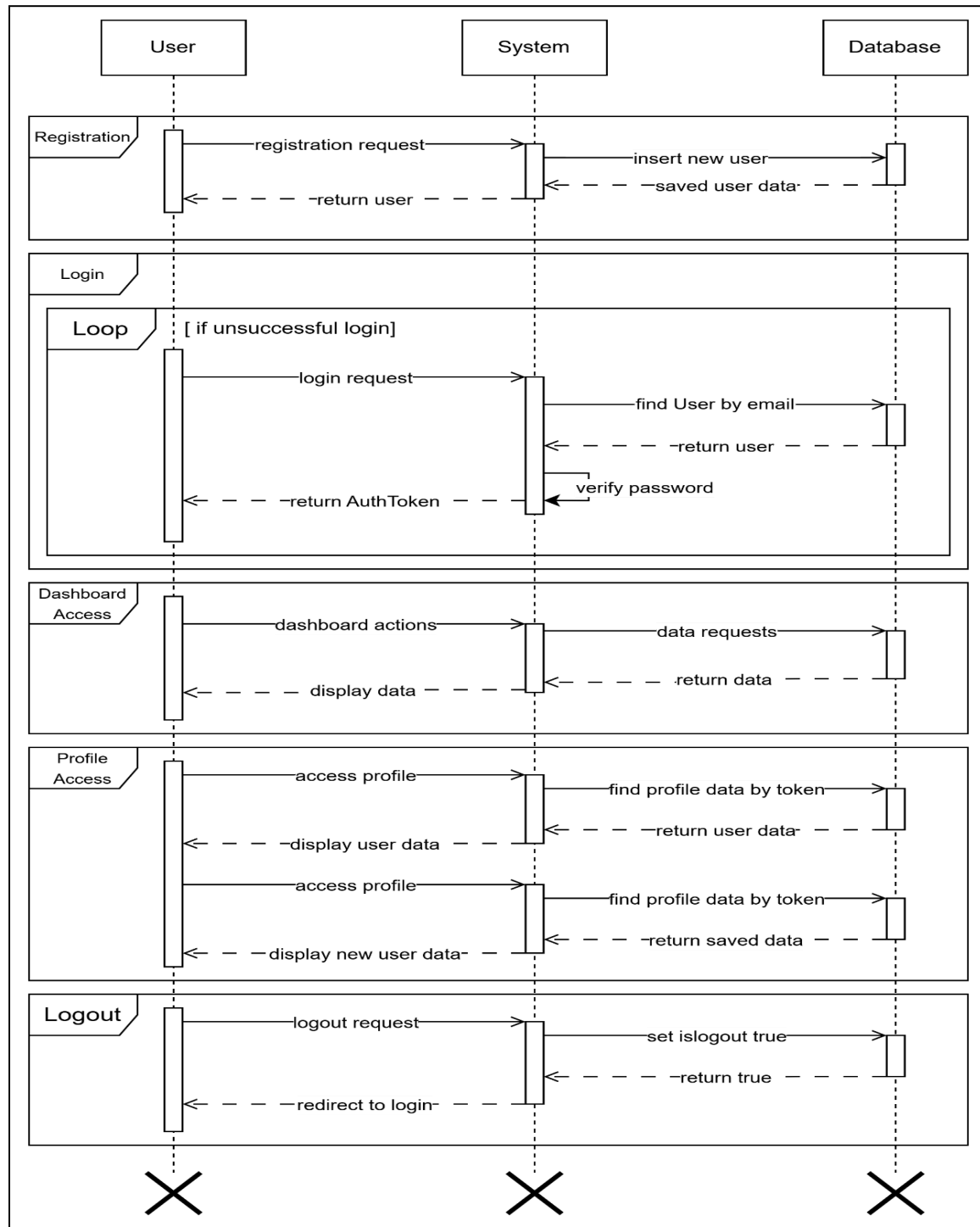
### 5.3. Activity Diagram



## 5.4. Class Diagram



## 5.5. Sequence Diagram



## 6. Appendices

Include any additional information, references, or support materials.