IT342-Section
SYSTEMS INTEGRATION AND ARCHITECTURE 1

FUNCTIONAL REQUIREMENTS SPECIFICATION (FRS)

Project Title: **Mini App – User Registration & Authentication**

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Version: 1.0

Table of Contents

1. Introduction

1.1. Purpose

Describe the purpose of the system and the intended audience of this document.

1.2. Scope

User Registration and Authentications.

1.3. Definitions, Acronyms, and Abbreviations

None.

2. Overall Description

2.1. System Perspective

Allows the user to Register, login and view the dashboard and their Profile.

2.2. User Classes and Characteristics

User – can be anyone.

2.3. Operating Environment

Pc.

2.4. Assumptions and Dependencies

None.

3. System Features and Functional Requirements

User can Register if not register and login if user has register. Allows the User to login and View the Dashboard and their Profile. Also includes logout.

3.1. Feature 1:

Description:
Functional Requirements:
A user can register an account

- A user can log in

- A logged-in user can view their profile/dashboard

- A user can log out

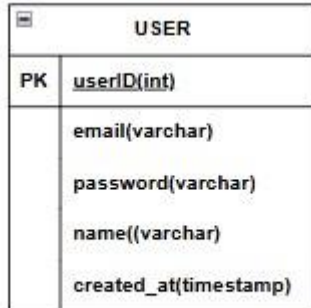- Protected pages cannot be accessed when logged out

4. Non-Functional Requirements

Specify system quality attributes such as performance, security, usability, reliability, etc.
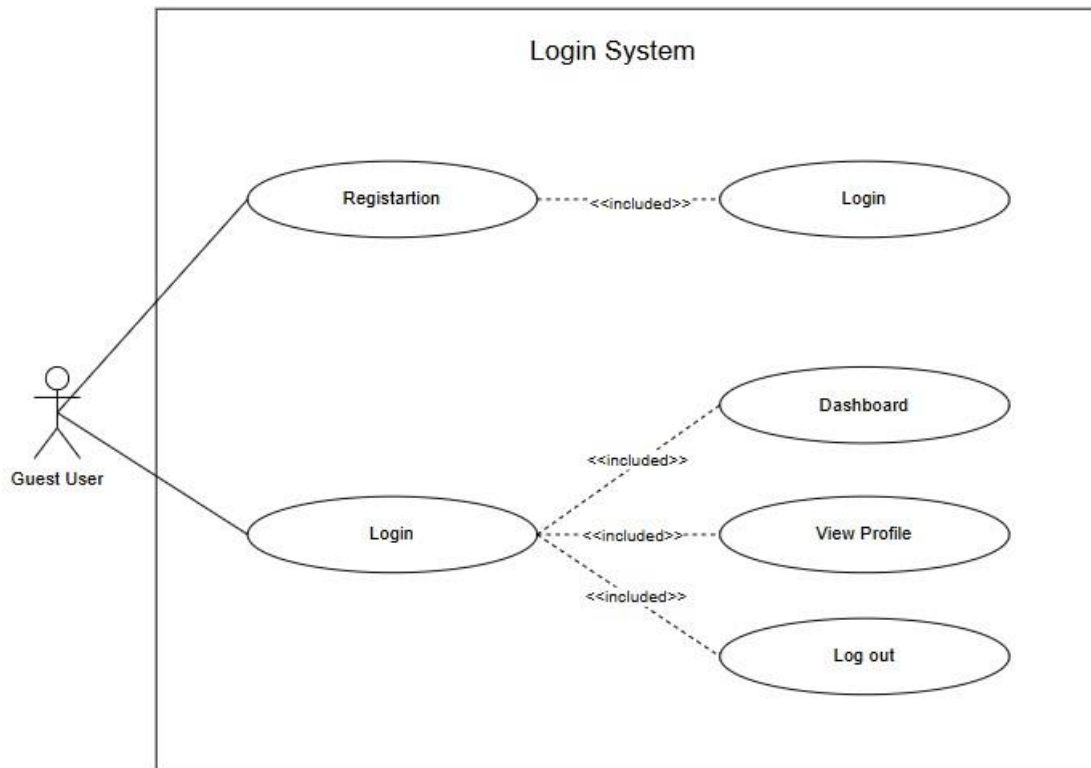
5. System Models (Diagrams)

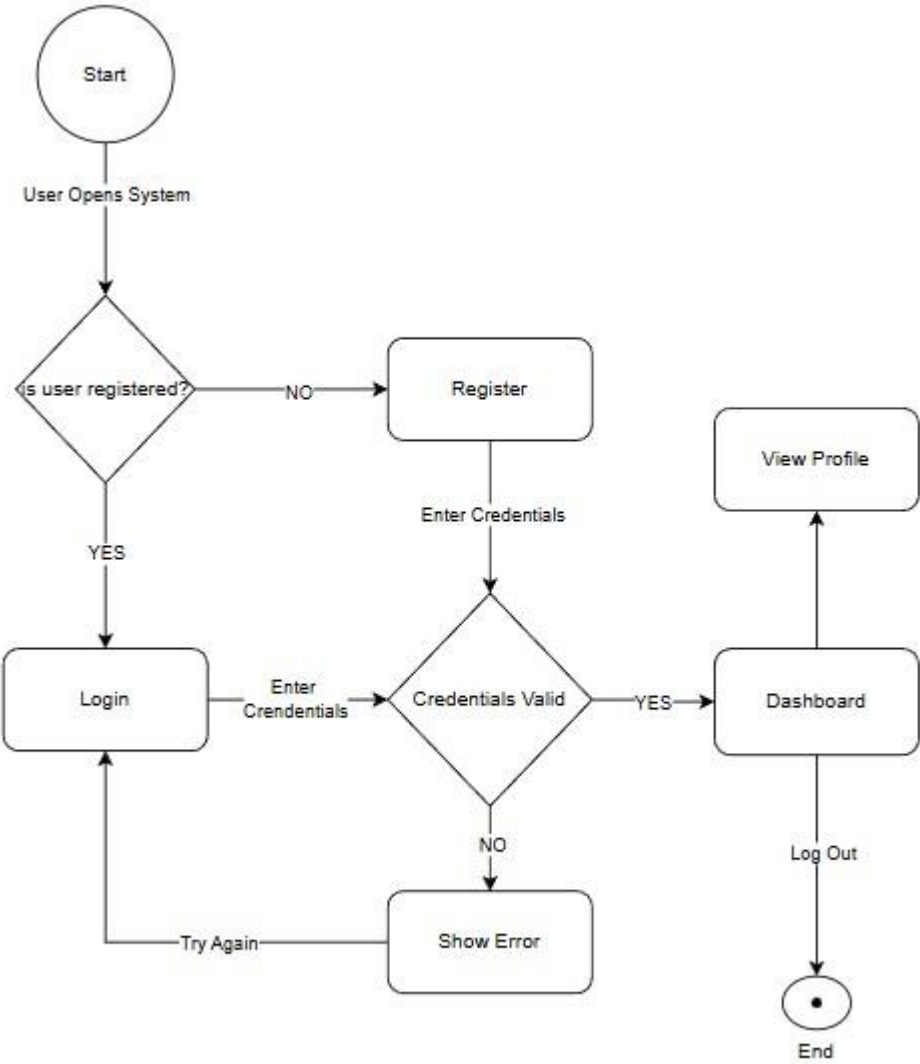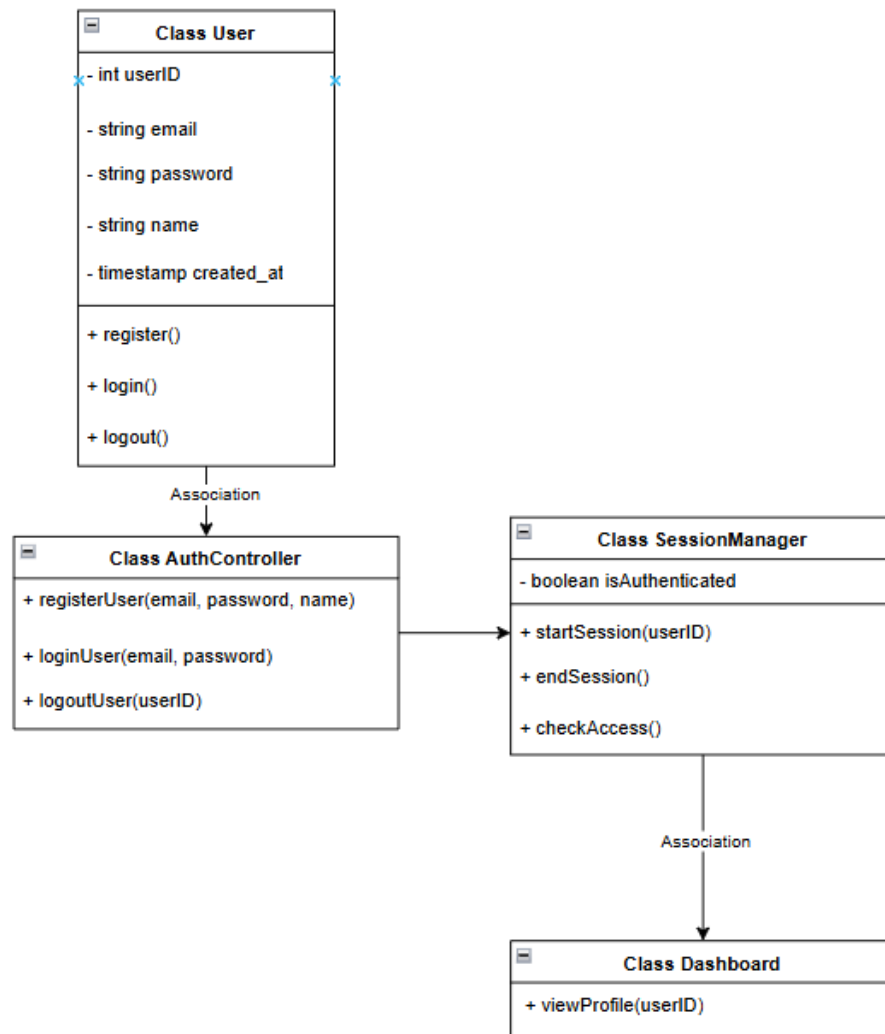*Insert the necessary diagrams for the system:*

5.1. ERD

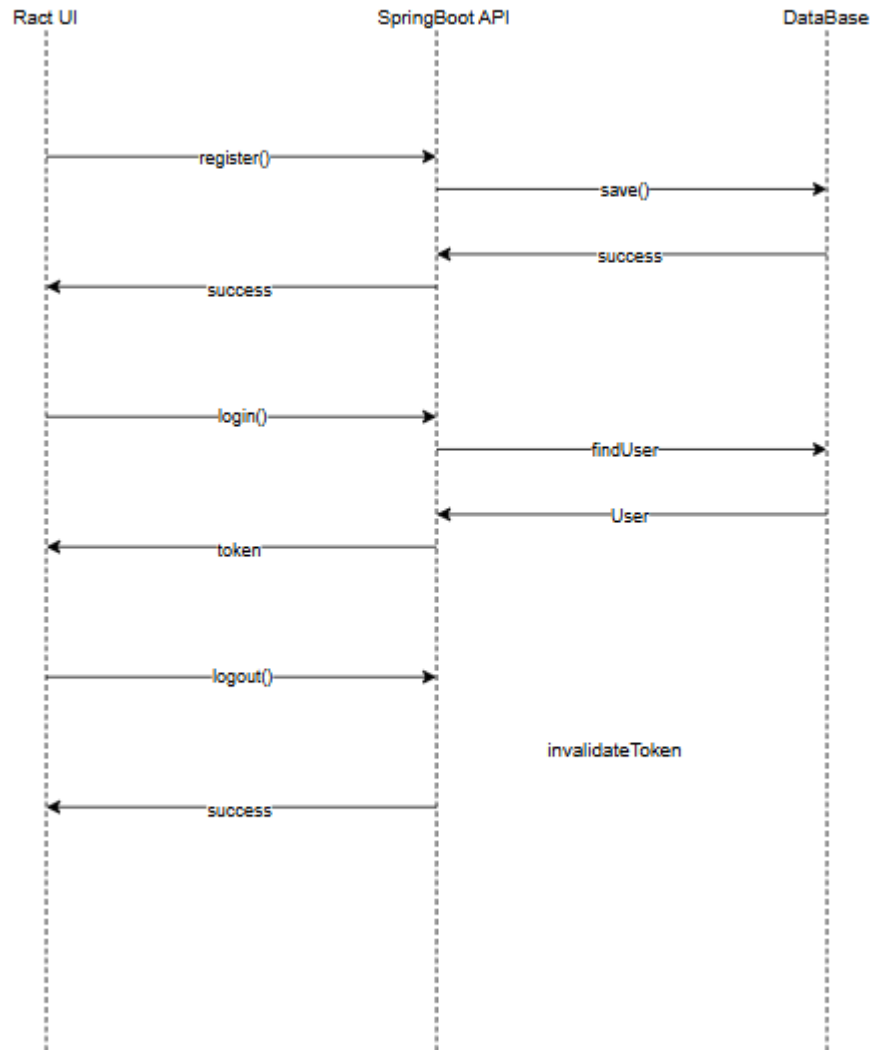| USER	
PK	userID(int)
	email(varchar)
	password(varchar)
	name((varchar)
	created_at(timestamp)

5.2. Use Case Diagram

5.3. Activity Diagram

5.4. Class Diagram

Class User

- int userID
- string email
- string password
- string name
- timestamp created_at

+ register()
+ login()
+ logout()

Association

Class AuthController

+ registerUser(email, password, name)
+ loginUser(email, password)
+ logoutUser(userID)

Class SessionManager

- boolean isAuthenticated

+ startSession(userID)
+ endSession()
+ checkAccess()

Association

Class Dashboard

+ viewProfile(userID)

5.5. Sequence Diagram

6. Appendices

Include any additional information, references, or support materials.