



**CEBU INSTITUTE OF TECHNOLOGY**  
**UNIVERSITY**

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

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

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Project Title:

Prepared By: Ron Luigi Taghoy

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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:

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## **4. Non-Functional Requirements**

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

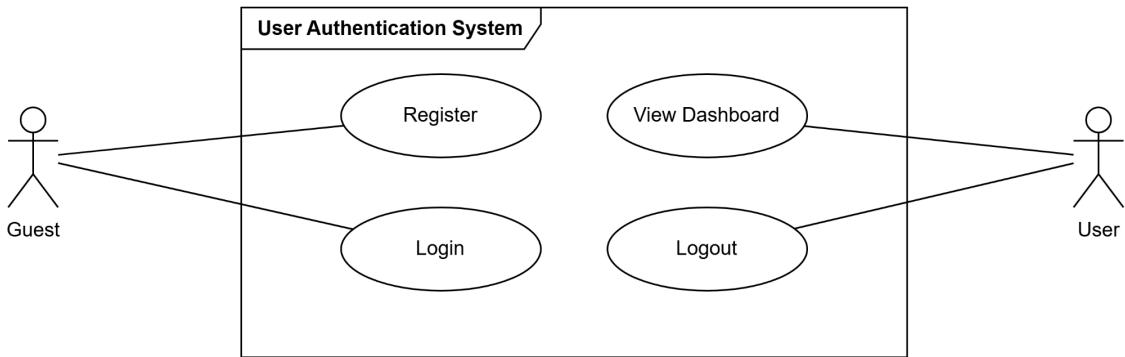
## 5. System Models (Diagrams)

*Insert the necessary diagrams for the system:*

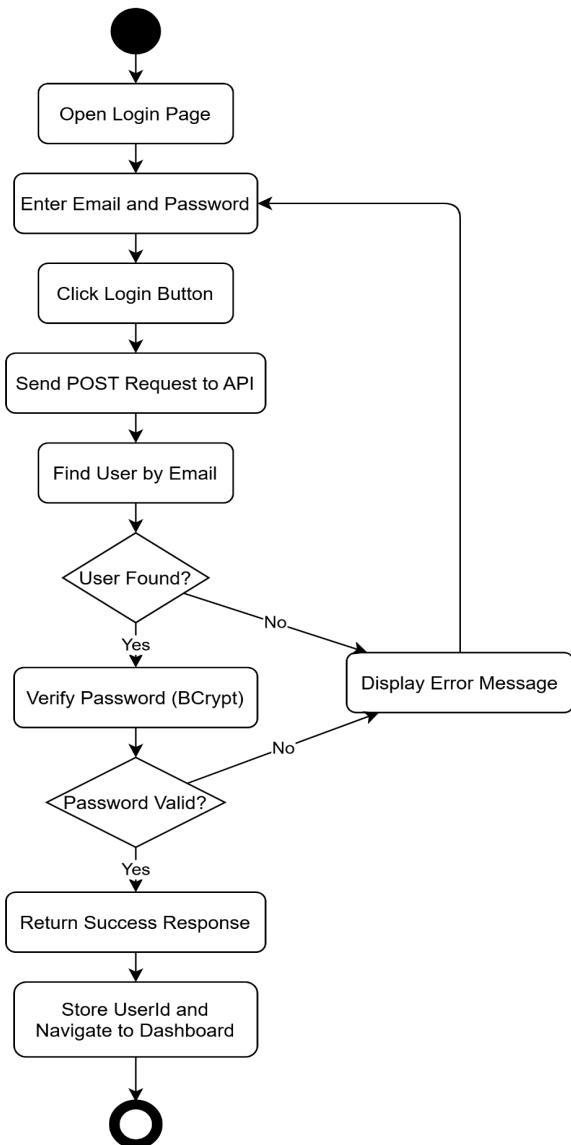
### 5.1. ERD

Table	
PK	<u>id</u>
U	email
	username
	password
	role
U	beta_key

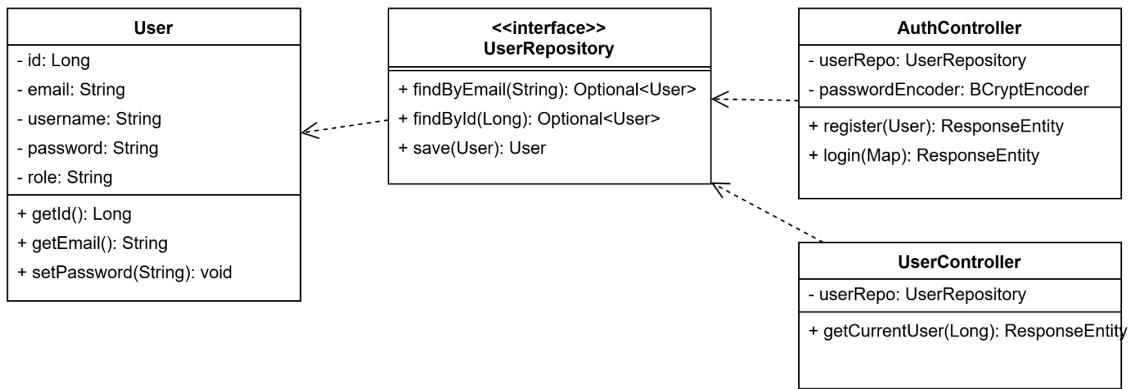
## 5.2. Use Case Diagram



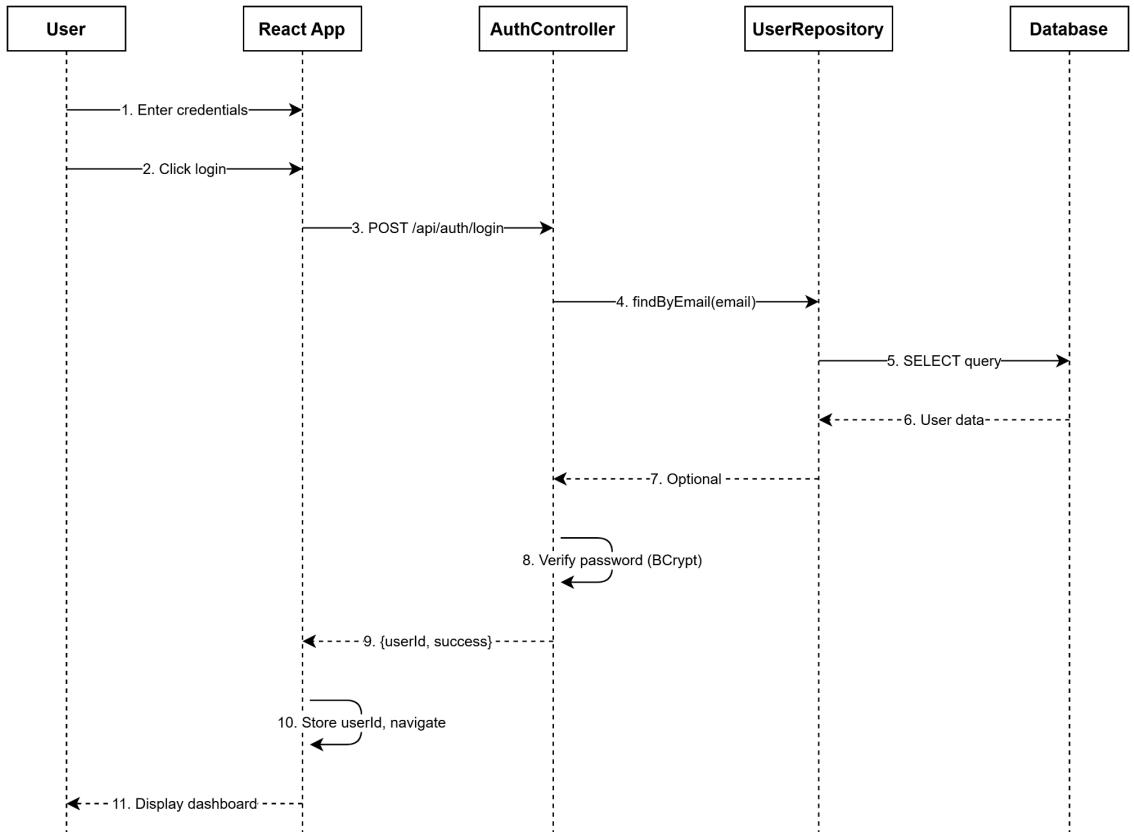
## 5.3. Activity Diagram



#### 5.4. Class Diagram

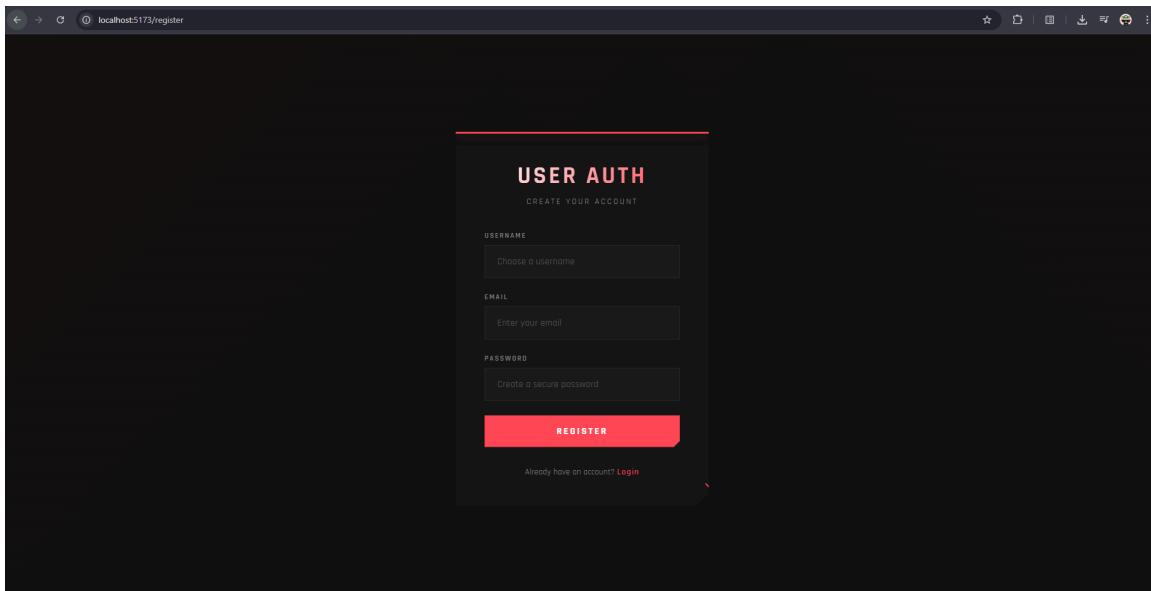


#### 5.5. Sequence Diagram



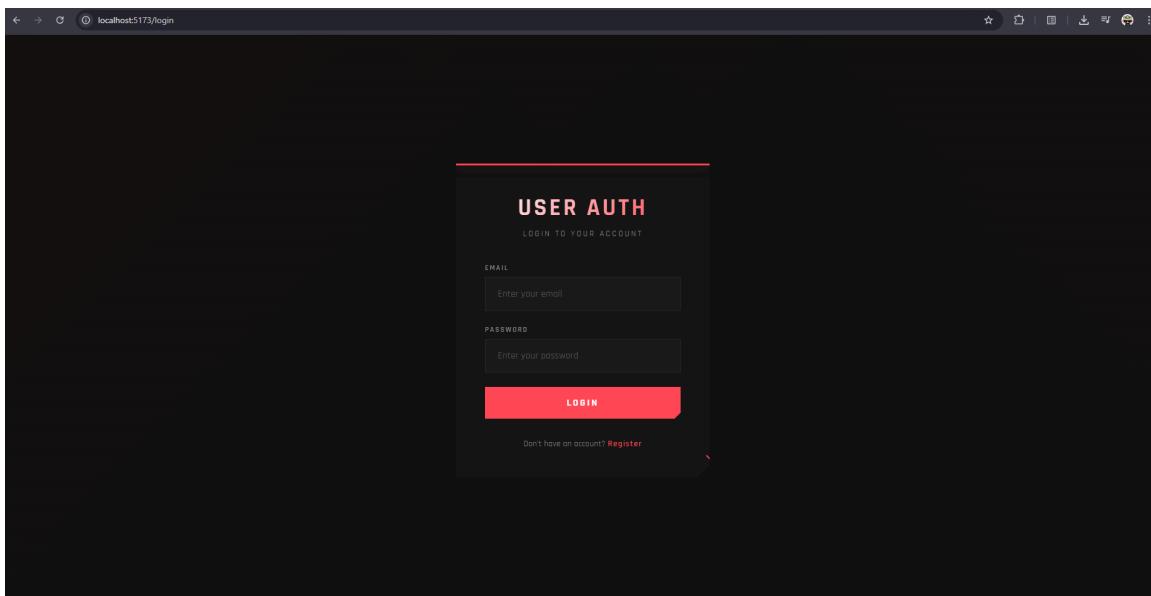
## 6. Appendices

Register:



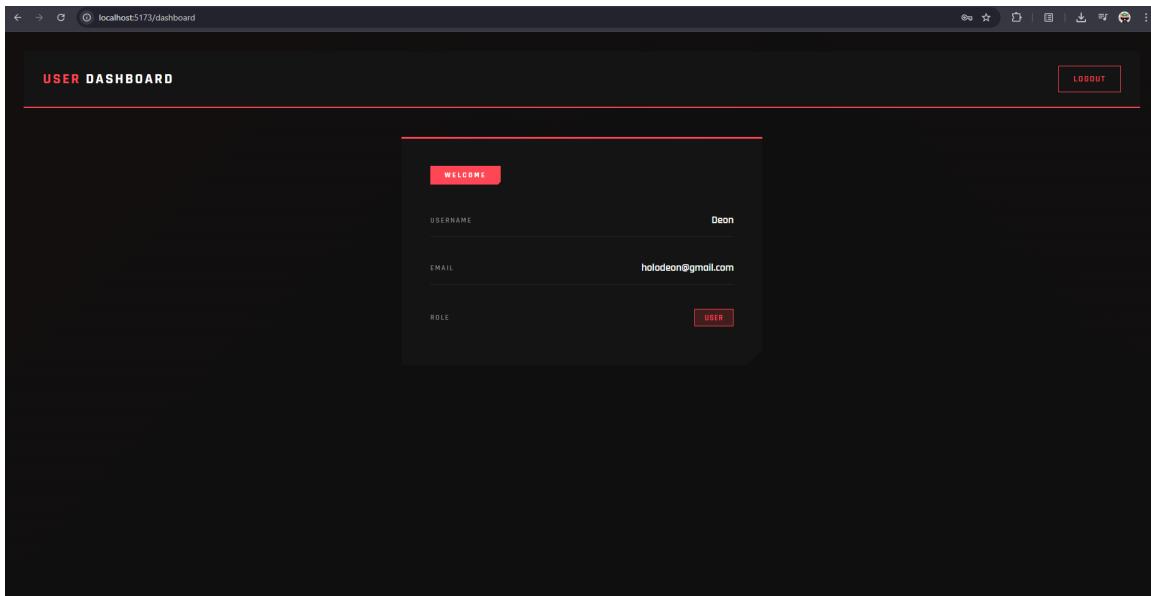
A screenshot of a web browser window displaying a registration form titled "USER AUTH". The form is titled "CREATE YOUR ACCOUNT". It contains three input fields: "USERNAME" (placeholder: "Choose a username"), "EMAIL" (placeholder: "Enter your email"), and "PASSWORD" (placeholder: "Create a secure password"). Below the fields is a red "REGISTER" button. At the bottom of the form, there is a link "Already have an account? [Login](#)". The browser's address bar shows "localhost:5173/register".

Login:



A screenshot of a web browser window displaying a login form titled "USER AUTH". The form is titled "LOGIN TO YOUR ACCOUNT". It contains two input fields: "EMAIL" (placeholder: "Enter your email") and "PASSWORD" (placeholder: "Enter your password"). Below the fields is a red "LOGIN" button. At the bottom of the form, there is a link "Don't have an account? [Register](#)". The browser's address bar shows "localhost:5173/login".

## Dashboard/Profile:



## Logout:

