



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

# IT342-Section SYSTEMS INTEGRATION AND ARCHITECTURE 1

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## FUNCTIONAL REQUIREMENTS SPECIFICATION (FRS)

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Project Title: User Registration and 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.

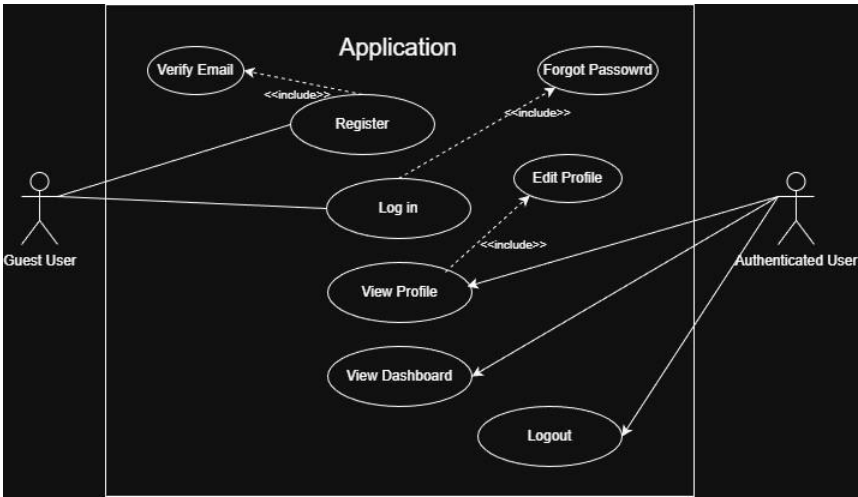
5. System Models (Diagrams)

Insert the necessary diagrams for the system:

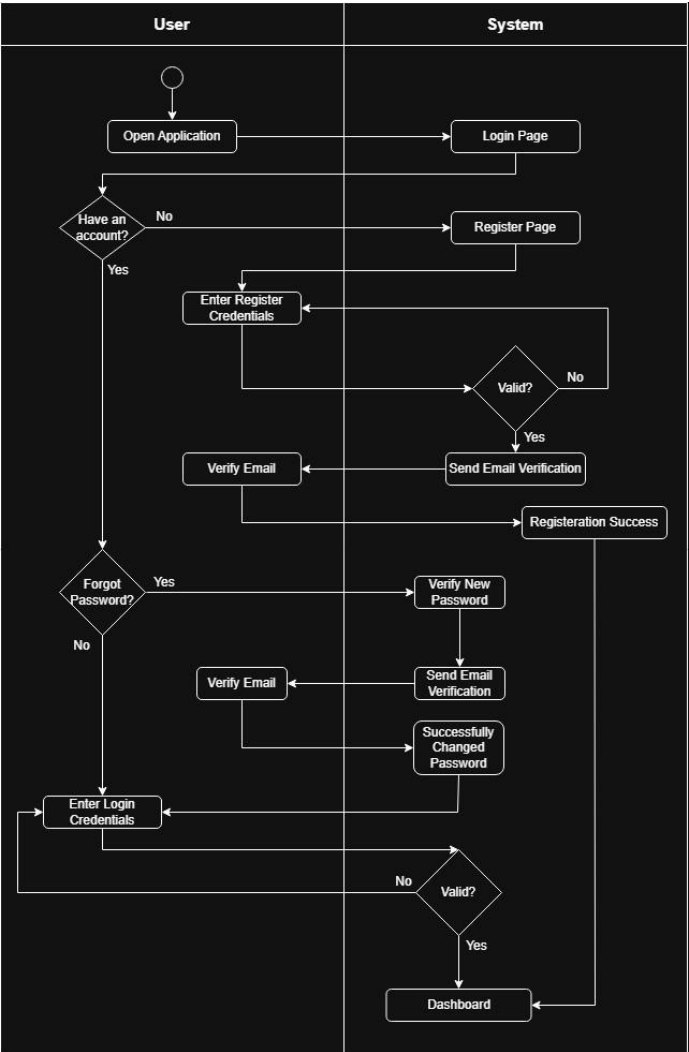
5.1. ERD

User		
PK	<u>user ID</u>	int
FK	registration_ID	int
	username	string
	email	string
	password	string
	first_name	string
	last_name	string
	phone_number	string
	created_at	timestamp

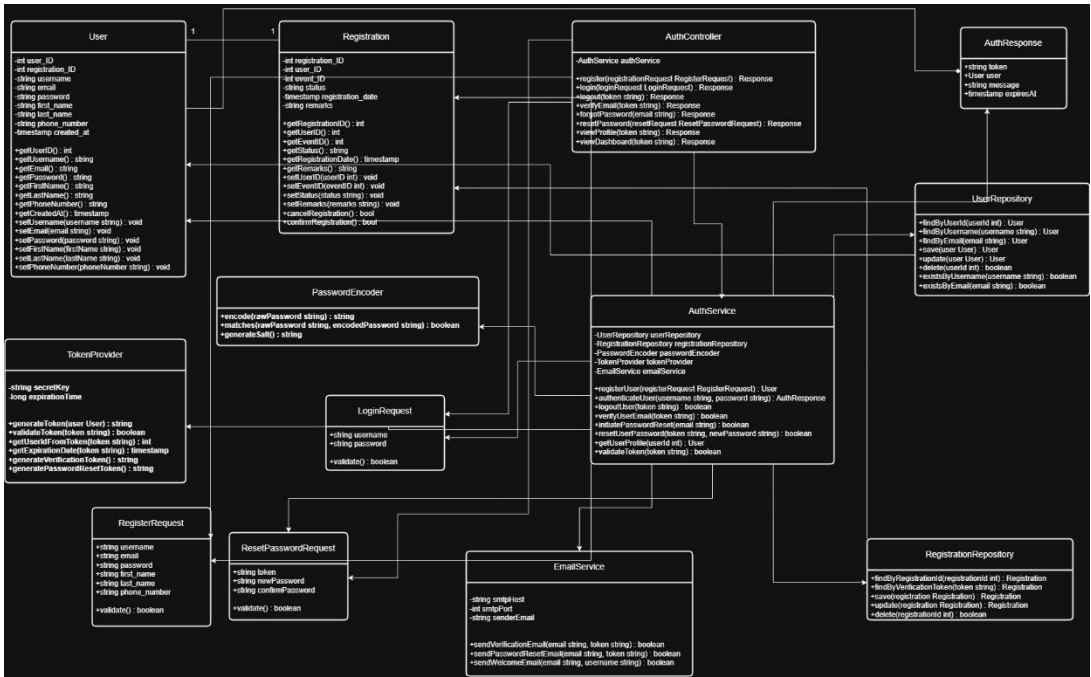
5.2. Use Case Diagram



5.3. Activity Diagram



## 5.4. Class Diagram



## 5.5. Sequence Diagram

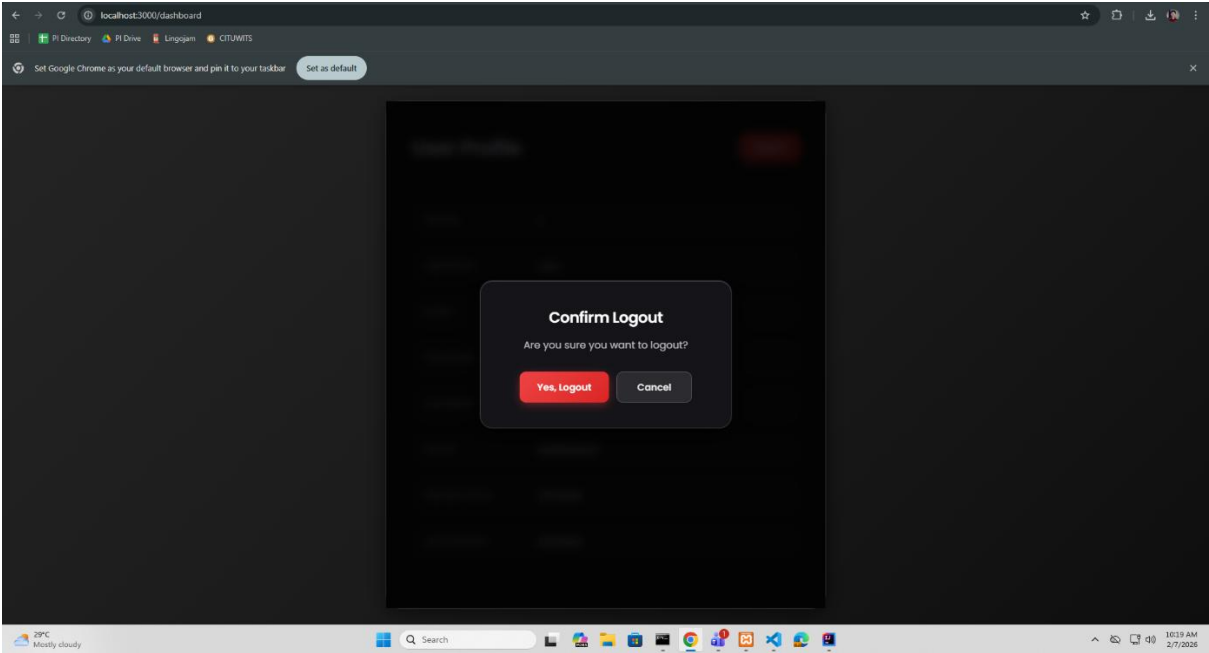
Insert ERD here

## 6. Appendices

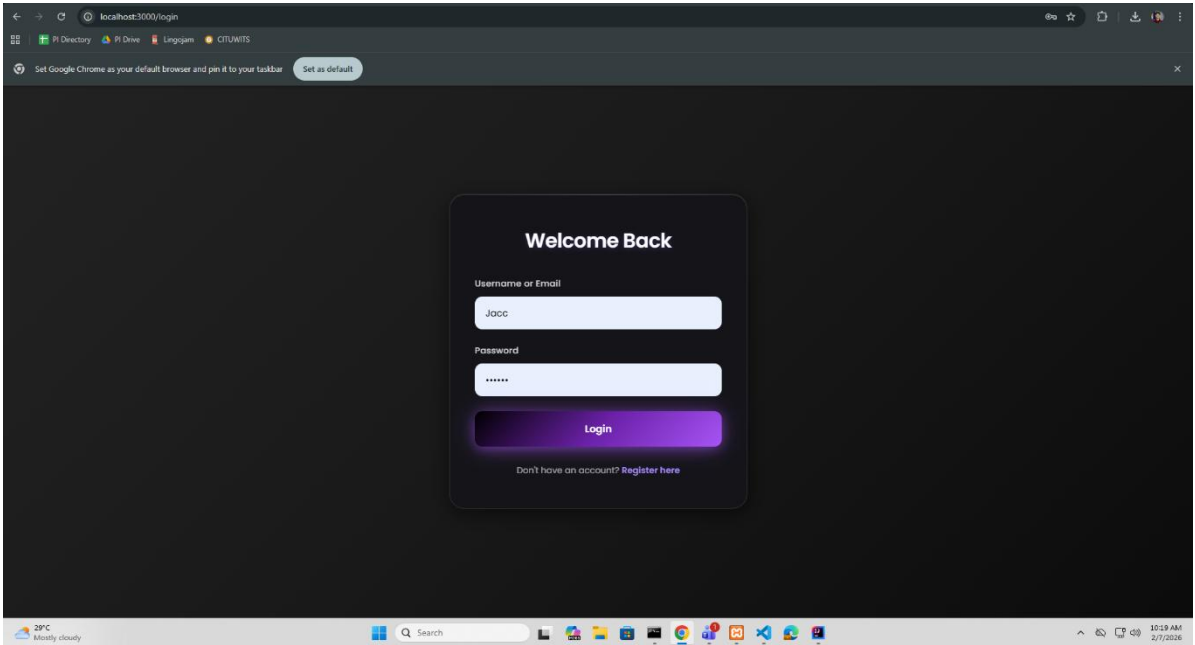
Include any additional information, references, or support materials.

## 7. User Interface

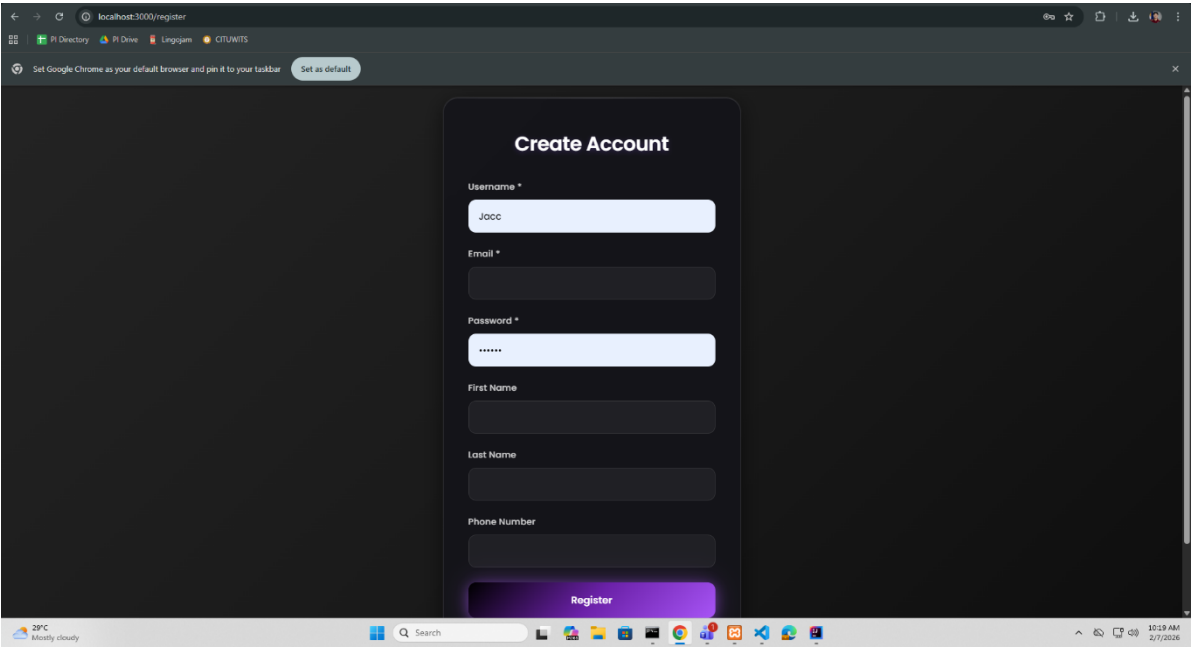
### Logout



### Login Page



# Register Page



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/register'. The page has a dark theme. A central white card contains the 'Create Account' form. The form includes input fields for Username, Email, Password, First Name, Last Name, and Phone Number, each with a corresponding label and an asterisk indicating it is required. A purple 'Register' button is at the bottom of the card. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates the time is 10:19 AM on 2/7/2026.

localhost:3000/register

Create Account

Username \*

Jacc

Email \*

Password \*

\*\*\*\*\*

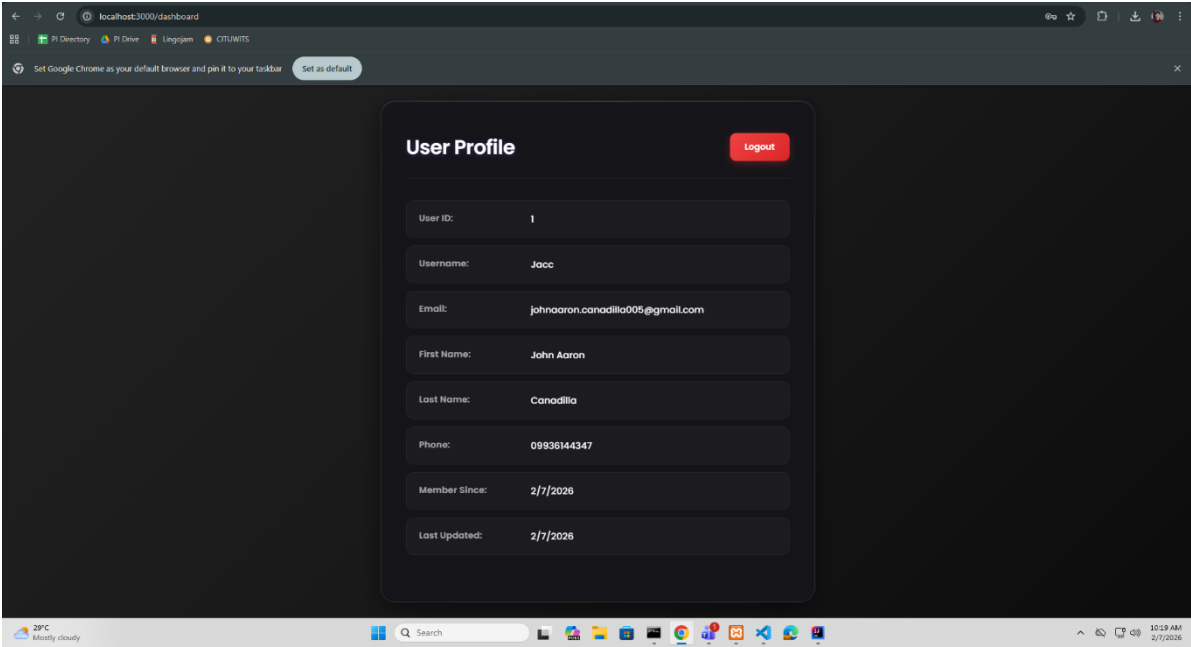
First Name

Last Name

Phone Number

Register

# Dashboard/Profile



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/dashboard'. The page has a dark theme. A central white card contains the 'User Profile' section. At the top right of the card is a red 'Logout' button. Below it, a list of user details is displayed in a table-like format with labels and values. The details include User ID (1), Username (Jacc), Email (johnaaron.canadilla005@gmail.com), First Name (John Aaron), Last Name (Canadilla), Phone (09936144347), Member Since (2/7/2026), and Last Updated (2/7/2026). The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates the time is 10:19 AM on 2/7/2026.

localhost:3000/dashboard

User Profile

Logout

User ID:	1
Username:	Jacc
Email:	johnaaron.canadilla005@gmail.com
First Name:	John Aaron
Last Name:	Canadilla
Phone:	09936144347
Member Since:	2/7/2026
Last Updated:	2/7/2026