



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

IT342-Section SYSTEMS INTEGRATION AND ARCHITECTURE 1

FUNCTIONAL REQUIREMENTS SPECIFICATION (FRS)

Project Title: Personal Achievement Logger

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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

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.

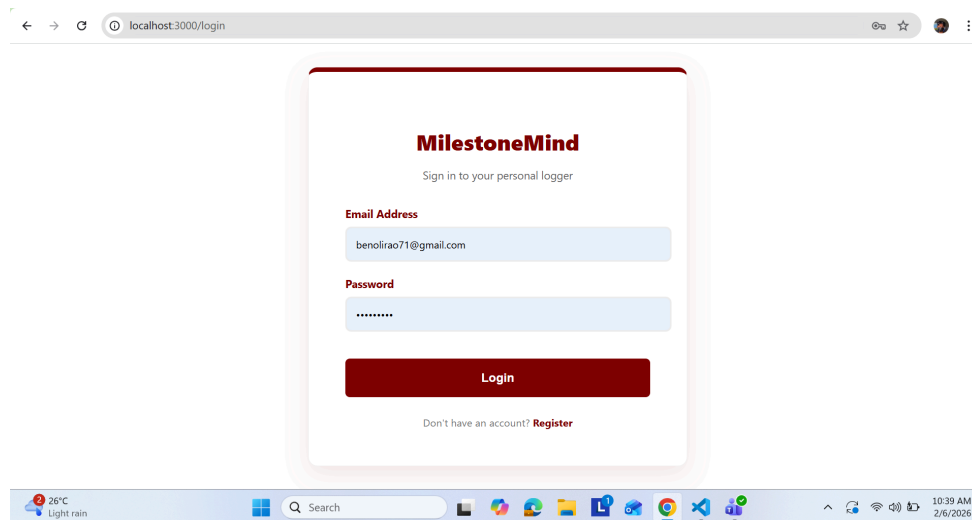
2.4. Assumptions and Dependencies

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:

A screenshot of a web browser showing the registration page for MilestoneMind. The browser's address bar displays 'localhost:3000/register'. The page has a dark red header with the 'MilestoneMind' logo and the tagline 'Join to track your achievements'. The registration form includes three input fields: 'Full Name' (containing 'Clyde Benolirao'), 'Email Address' (containing 'benolirao71@gmail.com'), and 'Password' (masked with dots). Below these fields is a dark red 'Create Account' button. The browser's taskbar at the bottom shows the Windows Start button, a search bar, and various application icons, including the weather widget indicating 26°C and light rain.

Description:

Functional Requirements:

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-
-

3.3 Feature 3:

A screenshot of the MilestoneMind user dashboard. The top navigation bar includes the 'MilestoneMind' logo, 'Dashboard' and 'Profile' links, a 'Logout' button, and a user profile icon. The main section is titled 'My Achievements' with a subtitle 'You have recorded 3 personal milestones.' and an '+ Add Achievement' button. Below this, there are three achievement cards, each featuring a trophy icon, a date, a title, a description, and 'Edit' and 'Delete' buttons. The achievements are: 'First 10km Run' (2026-02-01, Completed in 55 minutes at the local park.), 'React Certification' (2026-01-15, Passed the advanced hooks and state management exam.), and 'Read 5 Books' (2026-01-10, Finished the monthly reading goal ahead of schedule.). The browser's taskbar at the bottom is identical to the one in the previous screenshot.

Description:

Functional Requirements:

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3.4 Feature 4:

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/profile'. The page header for 'MilestoneMind' includes a 'Dashboard' link and a 'Profile' link, along with a 'Logout' button and a user profile icon. The main content area features a user profile for 'Mavis Izumi' with the email 'mavisizumi@gamil.com' and the role 'Information Technology'. Below this is a 'Profile Details' form with an 'Edit' button. The form contains the following fields:

PERSONAL INFORMATION	
First Name *	Last Name *
<input type="text" value="Mavis"/>	<input type="text" value="Izumi"/>
Email *	Birth Date *
<input type="text" value="mavisizumi@gamil.com"/>	<input type="text" value="11/17/2025"/>

The Windows taskbar at the bottom shows the system clock as 10:46 AM on 2/6/2026, along with weather information (26°C, Light rain) and various application icons.

Description:

Functional Requirements:

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-
-

4. Non-Functional Requirements

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

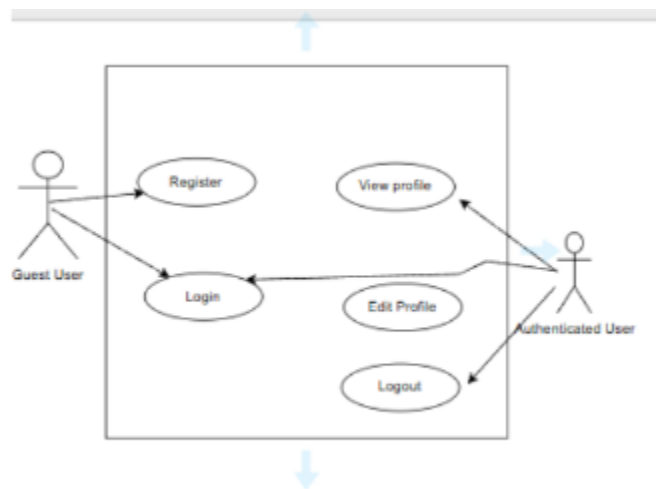
5. System Models (Diagrams)

Insert the necessary diagrams for the system:

5.1. ERD

User	
PK	id
String	username
String	email
String	password
String	first_name
String	last_name
String	role
Timestamp	created_at
Timestamp	updated_at

5.2. Use Case Diagram



5.3. Activity Diagram



5.4. Class Diagram

Insert ERD here

5.5. Sequence Diagram

Insert ERD here

6. Appendices

Include any additional information, references, or support materials.