Fitness Center Management System.

System Requirements Document

Index

1. Introduction

2.1 Objectives

The Fitness Center Management System is designed to facilitate the efficient management of gym operations, including member subscriptions, trainer schedules, and workout plans. This system aims to enhance the overall experience of both gym members and administrators by providing a dynamic and responsive platform.

This document contains the following sections:

✓ User roles.
✓ Workflow diagrams.
✓ Functional requirements.

2.2 System Overview

The Fitness Center Management System is an integrated and responsive web application designed to streamline gym operations.

Core Modules:

- **Member Subscription**:
  Allow users to register and subscribe to the fitness center with flexible membership plans.

- **Workout and Trainer Management**:
  Enable trainers to assign customized workout plans to members and manage their schedules efficiently.

- **Reports and Statistics**:
  Provide administrators with insight into member growth, attendance, and performance trends through dynamic reports and statistics.

2. User Roles

2.1 Admin

The admin is the primary user responsible for managing the fitness center's operations. Their role includes overseeing user activities, managing subscriptions, and generating detailed reports on gym performance.

2.2 Member

The member is a registered user of the fitness center who subscribes to gym services and interacts with trainers and workout plans.

2.3 Trainer

The trainer is a fitness professional responsible for creating and managing workout plans for assigned members.

2.4 Guest User

The guest user is any visitor who browses the fitness center's website without registering.

3. Functional Requirements

3.1 Admin

- Login

- View key statistics, such as the number of registered members, active subscriptions, and total revenue.

- Admin can create, update, delete, and view member profiles (CURD).

- Admin can add, delete, and view trainer profiles (CURD).

- Search for all subscriptions created between two specified dates.

- View and Update Admin Profile.

- Approve or Reject Testimonials.

- View monthly and annual report summarizing for subscriptions include chart.
- Manage Static Pages (Update the content of static pages like Home, About Us, and Contact Us.) (CURD)

3.2 Member

- Register and Log In.
- View all available membership plans and subscribe to a selected plan.
- Make a one-time payment for subscriptions.
- Receive an invoice as a PDF via email upon successful payment.
- Members can download the invoice from their profile or email.
- Submit feedback or testimonials about their experience with the gym. (Create)
- View and Update Profile.

3.3 Trainer

- Login.
- Trainers can see a list of members.
- Trainers can create customized workout plans, including exercise routines, schedules, and goals.
- Update Workout Plans.
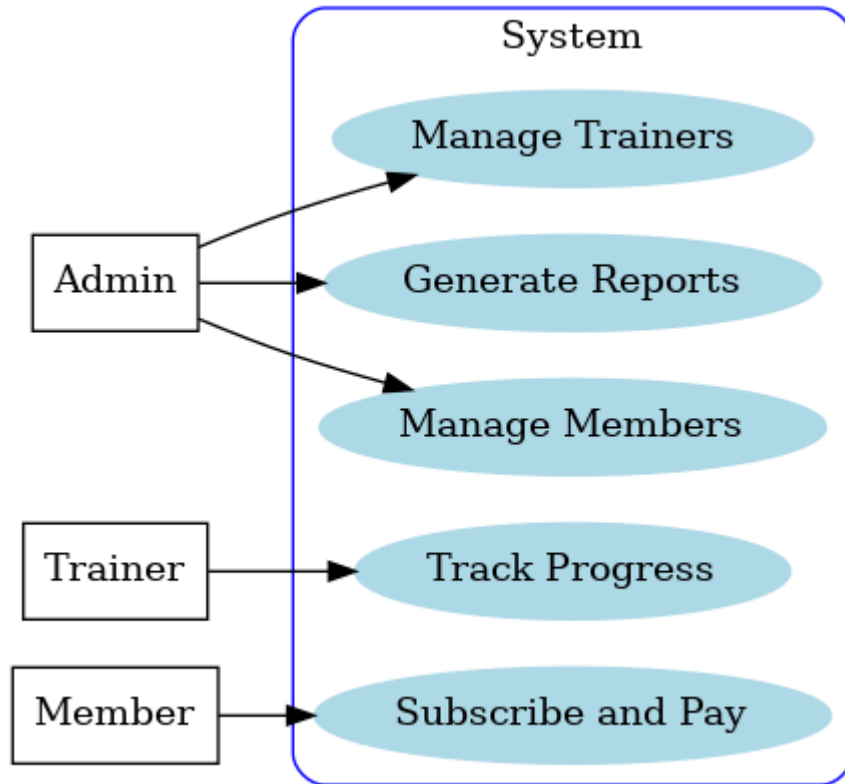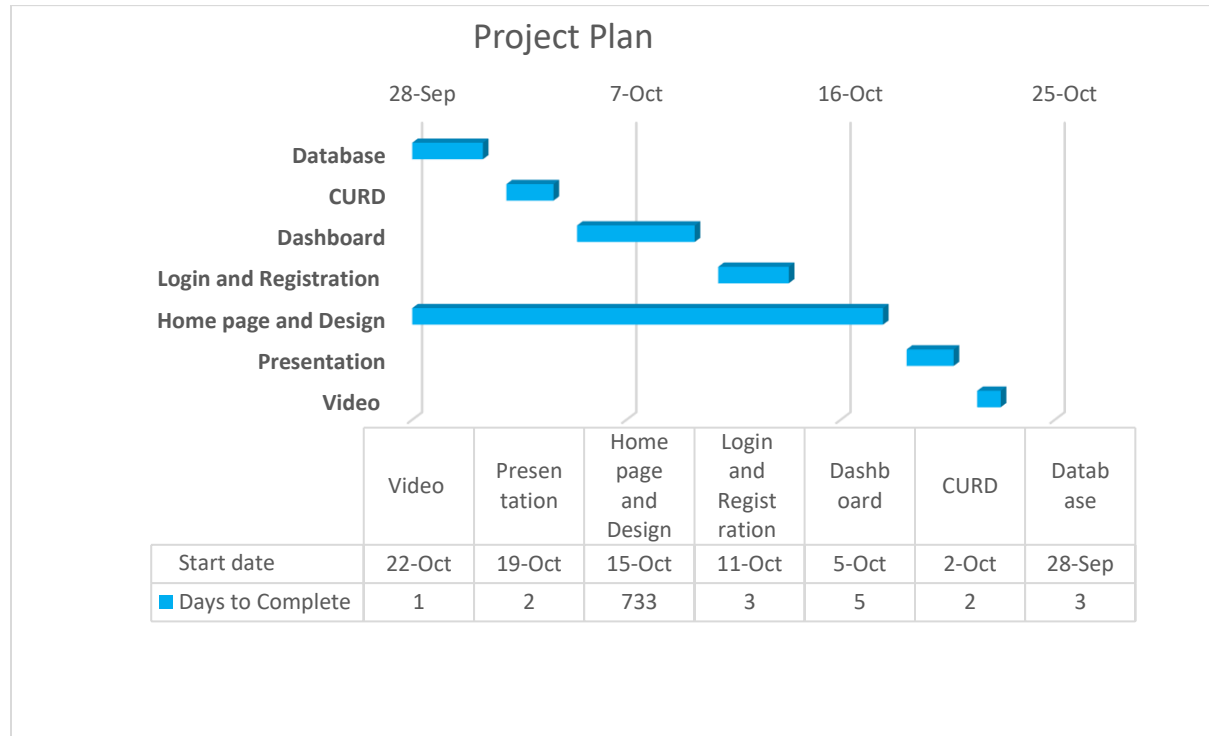- View and Update Profile

4. Workflow Chart

4.1 Home

Header
Navbar
Background/ Slider
Templates
Contact Form
Footer

4.2 Use Case Diagram

4.3 Project Plan

Project Plan

	Video	Presentation	Home page and Design	Login and Registration	Dashboard	CURD	Database
Start date	22-Oct	19-Oct	15-Oct	11-Oct	5-Oct	2-Oct	28-Sep
■ Days to Complete	1	2	733	3	5	2	3

5. Interface Design

- Use the Bootstrap template to prepare the home page.

- Use the recognized colors in the design.

- Don't forget to Search by name and interval.

- The report is displayed on the website and document.

- Use a dashboard template for different users.

- Users' sessions must be designed.

- The Home Page must contain reviews, testimonials, about us, contact us, header, footer, and background or slider.

- Each part of the home must change dynamically using the Database.

6. Rules

- Keep the rules of the clean code.

- Keep the rules of the business.

- Don't forget to design the logout button.

- Keep the project name.

7. Project Programming Language and Technologies

- Use Visual Studio 2022.
- Oracle Server.
- Use SQL Developer.
- ASP .Net MVC

8. Project Upload Requirements

- Upload your project code.
- Upload Project Presentation (Advertising presentation) .
- Upload Project Video.

9. Project Evaluation

- 15% Project video and presentation.
- 35% Interfaces Design.
- 50% Code Functionality.

10.   Deadline

06/01/2025 – 16/01/2025