

**Gym Management System**

[Document subtitle]



group:3

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# A. What is the system idea in a nutshell?

The proposed project is a **Gym Management System (GMS)** designed to streamline and automate key gym operations. The system allows users to register as members, subscribe to weekly membership plans, and optionally choose personalized fitness services. It also offers an admin panel for managing users, plans, and service subscriptions. The goal is to improve both user experience and operational efficiency by maintaining a well-structured relational database that ensures secure, scalable, and reliable data management.

# B. What information and services will the system offer to users and admins?

**For Users:**

**Registration & Login:** New users can sign up and access their personal dashboard.

**Membership Plans:**

* + Normal Plan – $7 per week
  + Premium Plan – $11 per week (includes added benefits)

**Optional Services:**

* + Personal Diet Plans
  + Meal Prep Guidance
  + Custom Workout Plans

**Dashboard Features:**

* + View active plans and services
  + Update preferences
  + Cancel or change subscriptions

**For Administrators:**

* Manage users, membership plans, and service offerings
* Track active/inactive subscriptions
* Monitor payment records and user engagement

# C. What data will the system store and where will it come from?

To enable the above functionalities, the database will store the following structured data:

* **User Information:** Name, contact, address, and login credentials
* **Membership Plan Details:** Plan type (Normal or Premium), pricing, and benefits
* **Subscription Records:** Active subscriptions with start dates and statuses
* **Optional Services:** Add-on services like diet plans, workout plans, and meal prep guidance
* **User-Service Mapping:** Which services each user has selected and when they started

**Data Sources:**

* Mock data designed by the development team
* References from real-world gym offerings (e.g., Les Mills, Jetts)
* Custom scenarios based on typical gym workflows

# D. What are the main use cases and who are the target users?

**Use Cases:**

* Register a new user account
* Subscribe to a weekly plan
* Add or remove optional services
* View or update user dashboard information
* Admin edits or creates plans and services
* Admin reviews subscription and payment details

**Target Users / Actors:**

* **Gym Members:** Access and manage subscriptions and services
* **Administrators:** Oversee users, plans, services, and payments

# E .DIAGRAM