

Project Database System Ideas – Group 3

Date: 01 August 2025
Deadline: 03 August 2025

Project Idea 1: Gym Membership and Plan Management System

Overview:

A complete gym management system that allows users to register, subscribe to membership plans, and choose additional services. The system will maintain a structured database to store user details, subscriptions, and service preferences.

Key Features:

- **User Registration:** New members can sign up via the website or at the gym.
- **Membership Plans:**
 - **Normal Plan:** \$7 per week
 - **Premium Plan:** \$11 per week (includes extra benefits)
- **Additional Services (Optional):**
 - Personal Diet Plans
 - Meal Prep Guidance
 - Custom Workout Plans
- **User Dashboard:** View plan, update preferences, and manage services.
- **Admin Panel:** Manage users, plans, payments, and services.

Database Requirements:

- **Users Table:** ID, Name, Email, Phone, Address, Password
- **Plans Table:** Plan_ID, Plan_Name, Price, Description
- **Subscriptions Table:** Subscription_ID, User_ID, Plan_ID, Start_Date, Active_Status
- **Ad d-On Services Table:** Service_ID, Service_Name, Price, Description
- **User_Services Table:** User_ID, Service_ID, Start_Date

Project Idea 2: Travel Agency Booking and Tour Management System

Overview:

A user-friendly travel agency platform that promotes group tours and allows clients to build custom travel packages. A backend database will manage tours, bookings, and client data.

Key Features:

- **Tour Options:**
 - 5 Predefined group tour packages (for 10–20 people)
 - Customizable tours based on client preferences
- **Custom Tour Features:**
 - Select destinations
 - Additional visit spots
 - Pick travel dates and group size
- **Booking & Payment Integration**
- **Admin Dashboard:** Manage packages, bookings, schedules, and updates

Database Requirements:

- **Clients Table:** Client_ID, Name, Email, Phone, Preferences
- **Tour_Packages Table:** Package_ID, Name, Description, Locations, Base_Price
- **Bookings Table:** Booking_ID, Client_ID, Package_ID, Tour_Date, Group_Size, Customizations, Total_Price
- **Destinations Table:** Destination_ID, Name, Country, Attraction_Notes
- **Custom_Plan Table:** Custom_ID, Booking_ID, Extra_Stops, Notes