**Project 6: Crunch Fitness Gym Online Management System**

**About the Client**

We have a No Judgments philosophy here. It's our Monday-thru-every-day mantra. A simple philosophy that drives us to create a community and a gym for all. No judgments means room for everyone, regardless of shape, size, age, race, gender or fitness level. No matter your workout of choice, we want you to feel good while reaching your goals.

Our gyms have an easy vibe to them, they're massive, designed to offer you more variety and space to keep you motivated. We set low membership prices with no lock-in contracts to suit all budgets so there's no barriers to making fitness a lifestyle.

Our teams are prep'd to cheer you on and help inspire you every day - it's up to you how to 'perspire' for your goals; but you'll always be praised for every step you make!

**Project Brief & Business Problem Specifications:**

Crunch Fitness Gym Management System should be a project that could be able to manage the fitness gym business memberships and payments records along with the common user frontend. The system should store the fitness gym membership plans, packages, and trainers. The plan list should help organize the member’s selected plan for his/her membership with the Crunch Fitness Gym. Each plan is a one-time payment only, which means the membership fee of the members are based on their selected program, and this refers to how long the member will be marked as an active member in the Crunch Fitness Gym.

The packages list should refer to the list of packages that the fitness gym management offers to their members. This program of the Crunch Fitness Gym is payable by month until the expiration of the member’s membership. The trainer list will be used if the member will also hire a trainer if every trainer is not included in his/her package. The trainer’s rate will be added to the monthly amount payable to the member. The membership can be renewed when the fitness gym member’s membership plan will expire, which means the member can extend his/her membership. Crunch Gym Management System will include the membership fee again to the first-month payment of the member after his/her previous membership expires. The gym management or the system user must end the member’s plan if the member changes his/her membership plan or packages after his/her previous membership plan expires to allow the system to know that the member is not active anymore in any membership plan and packages.

**System Modules Requirements**

* **Login Page**
  + The page where the system users will submit their system credentials to access the gym management system data.
* **Dashboard**
  + The page where the system users will be redirected by default after logging in.
* **Plan Page**
  + The page where the fitness gym membership plans are listed and can be managed.
* **Packages Page**
  + The page where the system users will populate the list of the packages they offer to their members.
* **Members Page**
  + The page where the fitness gym members are listed and managed.
* **Member Details Modal**
  + The popup modal in the member’s page that shows the member’s details, and active/previous membership plans.
* **Trainers Page**
  + The page where the list of fitness gym trainers are listed and managed.
* **Membership Validity Page**
  + The page where the list of active member’s plan are listed and managed.
* **Schedule Page**
  + The page where can system user schedule or store the expected date of the member’s presence. This feature only for the fitness gym management’s reference to check the expected members on a certain date.

**User Modules (User Frontend):**

Developers need to research and discuss with the client to finalise the modules and requirements.

**UI Design**

User Interface Design is concerned with the dialogue between a user and the computer. It is concerned with everything from starting the system or logging into the system to the eventually presentation of desired inputs and outputs. The overall flow of screens and messages is called a dialogue.

**UI Design Requirements**

1. The system user should always be aware of what to do next.
2. The screen should be formatted so that various types of information, instructions and messages always appear in the same general display area.
3. Message, instructions or information should be displayed long enough to allow the system user to read them.
4. Use display attributes sparingly.
5. Default values for fields and answers to be entered by the user should be specified.
6. A user should not be allowed to proceed without correcting an error.
7. The system user should never get an operating system message or fatal error.

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.

* + Security of data.
  + Ensure data accuracy's
  + Proper control of the higher officials.
  + Minimize manual data entry.
  + Minimum time needed for the various processing.
* Greater efficiency.
* Better service.
  + User friendliness and interactive.
  + Minimum time required.

**Functional Requirements:**

Payment Processing

Appointment Scheduling

Attendance Management

Attendance Tracking

Automated Scheduling

Barcode / Ticket Scanning

Barcode Recognition

Billing & Invoicing

Booking Management

Calendar Management

Class Management

Class Registration

Class Scheduling

Contact Database

Credit Card Processing

Customer Accounts

Customer Database

Customer History

Customer Support

Customer Surveys

Customizable Reports

Dashboard

Data Import/Export

Data Security

Debit/Credit Card Processing

Deferred Billing

Discount Management

Document Storage

Electronic Payments

Electronic Signature

Email Templates

Employee Management

Employee Scheduling

Event Calendar

Event Management

Event Scheduling

Facility Scheduling

Gift Card Management

Group Scheduling

Instructor Management

Inventory Management

Inventory Tracking

Invoice Management

Member Accounts

Member Portal

Membership Management

Mobile Access

Mobile Booking

Mobile Payments

Multi-Period Recurring Billing

Multiple Payment Options

Online Booking

Online Payments

Online Registration

Order Management

Recurring Invoicing

Recurring/Subscription Billing

Registration Management

Reporting/Analytics

Resource Scheduling

Retail Inventory Management

Retail POS

Returns Management

Sales Reports

Scheduling

Search/Filter

Social Media Integration

Staff Management

Stock Management

Team Management

Training Management

Transaction History

Transaction Monitoring

Vendor Management

Visitor Management

Web-based Deployment

Website Integration

Website Management

eCommerce Management

**Hardware Requirement: Should be recommended by the developers.**

**Software Requirement: Should be recommended by the developers.**