**Online Gym Management System**

**Business Requirement Specification**

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# 1. Introduction

# **Document Purpose**

Gym management software is designed to simplify the running of a fitness club from online gym scheduling and automated billing to administrative tasks. The software pulls all data into one place so that you can run your business more efficiently.

# **Project Background**

In midst of Covid-19 situation with all rules and regulations about certain number of members presents in gym. There’s no actual working online system at present to see availability and batch adjustment facility.

# **Goals of the project**

Online Gym is a form of electronic commerce/Online Gym which allows consumers to directly Select Plan and services as per Customer need over the Internet using a web browser or a mobile app. Online Gym or Website usually allow Customer to use "search" features to find specific plans and accordingly select those plans.

# **Customers and Stakeholders**

Customers:

Customers want to Join Gym

Stakeholders:

Gym Owner

# 2. Business Requirements Overview

* Visitor will be able to view and use available services online using their mobile devices, laptops and computer machines.
* Visitor will be able to select service from catalogue with their detail information such as title, description, price and availability.
* Registered customers are supposed to log in to the system with their credentials.
* Customers can check back record/feedback/review of trainer.
* Customers can manage their workout schedule (checking availability).
* Customers can pay fees online.
* Customers can check their diet.
* Customers can check their day-wise sets.
* Customers can see their starting weight, measures and goals.
* Customer can give feedback.

# 3. Functional Requirements Overview

Gym Management system consists of four modules described as below:

* Customers
* Trainer
* Manager

**3.1 Customer**

* Customer can register by using their personal details.
* Registered customers are supposed to log in to the system with their credentials.
* Registered customers can manage their workout schedule (checking availability).
* Registered customers can pay fees online.
* Registered customers can check their diet.
* Registered customers can check their day wise sets.
* Registered customers can see their starting weight, measures and goals.
* Registered customer can give feedback.

**3.2 Trainer**

* Trainer can log in to the system with their credentials.
* Trainer can see allocated batch.
* Trainer can see medical history and all info of customer.
* Trainer can change workout routine.
* Trainer can change diet.
* Trainer can request for equipment’s and facility.

**3.3 Manager**

* Manager can log in to the system with their credentials.
* Manager can check customers payment status.
* Manager can manage schedule.
* Manager can allot trainer.
* Manager can see customer queries (can see feedbacks).
* Manager can approve request of (equipment and facility) from trainer and customers and pass it to admin.

**3.4 Admin**

* Admin can log in to the system with their credentials
* Admin can hire manager and trainers.
* Admin can release fund according manager request.
* Admin can pay salary of managers and Trainers.
* Admin can have access to all logins.

# 4. Non-functional Requirements

**4.1 Security: SSL----- https://www.Goldgym.com**

* Use of SSL (Secure Socket Layer) in all transaction that include confidential customer’s information.
* The system should not leave any cookies on the member's device containing customer’s password.
* The system's back-end servers shall only be accessible to authenticated administrators which is admin.
* Sensitive data will be encrypted before being sent over insecure connections like internet.
* The proper firewalls should be developed to avoid intrusions from the internal or external sources.

**4.2 Reliability:**

* The system provides storage of all databases on redundant computers with automatic switchover.
* The main pillar of reliability of the system is the backup of the database.
* continuously maintained and update to reflect the most recent changes.

**4.3 Availability:**

uptime: It mean 24 \* 7 availability 99.9999%

**4.4 Maintainability:**

* A commercial database is used for maintaining the database and application server takes care of the site.
* The maintainability can be done efficiently.

**4.5 Portability:**

The application is HTML, CSS and scripting language based (Javascript), so the end user part is fully portable and any system using any web browser should be able to use the features of the system, including any hardware platform that is available or will be available in the future.

An end-user is used this system on an OS either it is Windows or Linux.

The System shall run on PC, Laptops and Mobile etc. from access point of view

The technology should be transferable to different environments easily.

**4.6. Accessibility:**

Only registered users should be allowed to take benefits after authentications. Only GUI access of the system should be permitted to end users.

**4.7 Policies:**

The system should maintain security related to sensitive data.

**4.8 Efficiency:**

The system should provide good throughput and response to multiple users without burdening the system by using appropriate number of servers.

**4.9 Safety:**

Software should not harm ethical and environmental conditions of the end users machine.

**4.10 Modularity:**

The system should have user friendly interface. It should be easily updated, modified and sreused.