**Software Requirements**

**Project Name-Gym system management**

**Company: Shark Gym**

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**1. Introduction**

**1.1 Purpose**

The objective of the project is to design and develop a user-friendly system, easy to use and efficient

computerized system and to develop an accurate and flexible system which can eliminate data redundancy.

It can also increase the rate of successful and good service that can be provided from coaches for their

clients. It can make any style of coaching better, no matter if it’s for long or short-term.

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**1.2 Intended Audience**

The aim of this project is to design and

develop a user-friendly system and to target all millennials who hit the gym. This software will be very efficient for clients who hit the gym and need more information.

**1.3 Intended Use**

There are many different options for gym, especially in our city. The aim of this project is to design and

develop a user-friendly system and to target all millennials who hit the gym.

When managing a gym, communication with your costumers is the key. You need to engage with them

when they are with you, but also keep them motivated when they aren’t, so that they remain an active

member of your facility. This is very important, which gym management software can help with.

**1.4 Scope**

This software will look after all members, memberships, and activities.Also will provide lots of functions such as data entry of customers, member registration, payments, plan,

customer's fee, which will help to provide good quality of services to customers from gym managers. The

staff will have access to modify, and delete any record and finally the service, gym provides to its customers

and, will have access to the database to make changes, if necessary. It will be simple and effective.

**2. Overall Description**

**2.1 User Needs**

This project is designed to facilitate a gymming and fitness center to automate its operations of keeping records and store them in the form of a large and user friendly database further facilitating easy access to the personnel. The software is capable enough to allow the concerned person to store and retrieve any type of record with just a single click of mouse. The software allows interactive interface environments where even standalone users can work very easily.

All the data will be kept at a central database from where its attributes can be easily controlled.

**2.2 Assumptions and Dependencies**

A software error is an error that causes a [**software**](https://1902software.com/custom-software/) to suddenly not work or behave strangely in some situations.

Software errors can be very frustrating because they often occur at the most inconvenient times, and in unexpected corners of your system.

Typically, errors occur :

* Failed to foresee a specific user action or behavior;
* Made a definite error;
* Forgot to check if the data required to complete an action is missing or incorrect;
* Utilized an external system that is offline or delivers incorrect data;
* Utilized ‘libraries’, i.e., program types built into the operating system, such as Windows, that are either obsolete or not present on the computer or server where the software is installed; or
* Worked on tasks that may have been beyond their competence

**3. System Features and Requirements**

**3.1 Functional Requirements**

Functional Requirements:

* The system will get data from users.
* The system will allow the staff to log in in their account.
* The system will allow staff to enter data for their customers.
* The system will allow users to see more information and also reset their password in case they forget it.

**3.2 External Interface Requirements**

The aim of the website is to be user-friendly and easy to access to all the information you will need about the gym, book appointments with the trainer and also ask different questions.

**3.3 System Features**

These are the functions in order the system to work;

* Provides networking support
* Provides user interface
* Provides utilities and system services
* Provides security features

**3.4 Nonfunctional Requirements**

* Each page must load within 2 seconds.
* A user must be able to edit messages after they are sent to correct errors.
* Database security must meet HIPAA requirements.
* On-going support and maintenance.
* Software configuration management.