Software Requirements Specification

for

Dx HealthClub

Version 1.0.0

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INTRODUCTION:

A **health club** is a place which houses exercise equipment and games equipments for the purpose of physical exercise. Any person can become a member of the club by filling a prescribed form and paying appropriate amount of fees. This membership is given according to various packages available. When the membership is given to a member all his/her details are entered in the records.

The members can avail the following facilities:-

- They can opt for any sports of their choice.
- They can avail the gym facility.

1.1Purpose:

The purpose of this requirement document is to clearly specify the needs of the client for a health club so that it will be easier to communicate among the developers, business analysts, test engineers and project managers. It also introduces a common set of terminology and templates to facilitate the conversations and to make sure a necessary level of due diligence is happening before committing to a potentially major undertaking. The SRS will include the overall description, details of the customer, coaches and packages on click.

1.2 Project Scope:

This project is made to solve the purpose of a Health club.
It fulfils all the needs of a health club as it is very difficult to record all the data manually in a register and do operation but this project makes all these procedures easy.
As today the world is becoming more computerized this project meets the demands of this world.

1.3Intended Audience and Document Overview:

This particular S.R.S is basically written to make the project managers, developers, users, testers and other project associated people to go through and to analyze as to what, how and where the designed software can be implemented. This document is dynamic (will keep changing) since we do not expect the client's are the final.

2. OVERALL DESCRIPTION:

2.1Product Perspective:

The proposed system is managed by the netbeans, which are user friendly windows for every user and for maintaining the database Microsoft access is used.
The system proposed has many advantages.
1. The proposed system provides each department a different view of the customer information.
2. It provides wide range of certain criteria in each window the clients working for better and quicker solution.
3. It maintains report for all customers, coaches and packages.
4. Manages member information separately for all exercise and employee information separately for considering the requirements of gym.
5. Stores information about regular products.
6. This system can run on any windows operating system.

2.2Product Features:

There will be following pages that would be on the web-based health club management system:

1. Home Page: This will be the landing page for any user. Welcome page.
    - Header of the page: will contain the customer, coach, package and exit block.
    - Each block will contain the list of activities the user can perform.
2. Center of the Home Page: Welcome logo.

2.3User Classes and Characteristics:

Methodology Adopted

The Spiral Model:
The *spiral model,* originally proposed by Boehm, is evolutionary software process model that couples the iterative nature of prototyping with the controlled and systematic aspects of the linear sequential model. It provides the potential for rapid development of incremental versions of the software. Using the spiral model, software is developed in a series of incremental releases. During early iterations, the incremental release might be a paper model or prototype. During later iterations, increasingly more complete versions of the engineered system are produced. A spiral model is divided into a number of framework activities, also called *task regions.*

Customer communication
—tasks required to establish effective communication between developer and customer.

Planning
—tasks required to define resources, timelines, and other project related information.

Risk analysis
—tasks required to assess both technical and management risks.

Engineering
—tasks required to build one or more representations of the application.

Construction and release
—tasks required to construct, test, install, and provide user support (e.g., documentation and training).

Customer evaluation
—tasks required to obtain customer feedback based on evaluation of the software representations

2.4Operating Environment:

This application will run in all the available platforms including window 2000 and up including Windows 7 and MAC OS.