Project Proposal – Member Management System

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Introduction

Most gyms today use a membership system that is outdated or doesn't allow the user to do tasks on their own. The current systems do not allow a user to sign in or make appointments with a trainer remotely. Most of the time a member just wants to get in, work out, and get out. A member can spend unwanted time at the front desk, along with a lot of time waiting for occupied machines. A perfect solution to this problem is an updated user interface involving the implementation of these mentioned issues. This system will cut the time that the members interact with the front desk in order to provide them with a hasty and satisfactory outcome.

Objectives

- Easy-to-use system in order to complete tasks remotely.
- Process membership data and allow for authentication/secure check-ins.
- Membership signups.
- Appointment scheduler.
- Crowd meter

Functionality

Users will be able to:

- Check-in remotely
- Sign-up remotely

- Schedule appointments

- See appointment availability

- View operating hours

- View gym capacity

Customers

- Gym members

Development approach

The project will be developed using Java, HTML, XML, and CSS. The project will include databases involving SQL.

Development Plan

Week 1-4: Front-end

Week 4-8: Backend/validation

Week 8-12: Front-end & backend

Week 12-16: Fixes