SOFE 3650U Software Design and Architecture
Project Proposal
Modifying Gym Website

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Introduction

For the project, we are planning to modify a gym website created by one of the group members. This website entails creating a gym membership, and booking time slots for working out. We would like to ensure that during this pandemic people are able to work out and practice physical distancing guidelines as well.

Functional Requirements

Adding functional requirements will add more features and attract potential and current gym members. We will add an option for people to sign up for fitness classes. This will give options for people going to the gym to learn about a specific workout and be taught by professionals during the sessions. Another requirement is selling merchandise online with the addition of including discounts and promotion codes for those products. This will encourage people to purchase a gym membership, as it could be used to save money and buy workout gear and equipment. Additionally, we will add a contact form where they could send their questions and concerns and staff will respond during business hours. Moreover, we will add a unique store page that includes discounts and promo codes on specific equipment, which will convince the members to buy from us. We will create a membership page that allows access to members only and to the online store. We will also include subpages for each type of member for example adults, children, and students etc.

Non-Functional Requirements

For our project, the non-functional requirements are important to retrieve and obtain our gym members. Non-functional requirements are always mandatory to complete, but help create an improved environment for users. The first requirement we will focus on is the usability of the website. This means we will ensure users are encouraged to use the website by adding colours to the website, as well as pictures to capture the user's eyes. The next requirement we will focus on is the availability and accessibility of the website. This means that we will make sure the website is available 24/7 so that users will have access to make bookings throughout the entire day. Additionally, we will make sure that the website can hold a certain capacity of users so that the website doesn't crash if many people are on the website creating bookings. Finally, the last requirement we will be focussing on is the security of the website, meaning that we will make sure that users will not have to worry about their accounts being hacked from leaked passwords.