FitX Requirements Specification

Version 1.0

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1. Executive Summary

1.1 Project Overview

FitX (FITness and technology eXploration) is a software product created to help people who have little to no information about fitness. This program lets users easily interact with a user-friendly interface in order to help them achieve certain goals. FitX makes every part of a fitness routine easier for everyone, as it allows users to track their progress and if the program they are following is yielding the desired results.

1.2 Purpose and Scope of this Specification

In scope

The following specifications make up the foundations of this product and how it intends to be used:

- This project's purpose is to make fitness more available to the general public

- Intended customers are of all ages (people who can use online apps)

- It will be user-friendly and easy to use

- Users can upload their personal information to help track their progress

- Users can also make online payments for their services,

- Users' personal information is guaranteed to be secure and not misused

Out of scope

The following specifications are not constraints to potential users or existing ones, but rather clarifications on what this product intends to make available to them:

- This product does not aim to oblige users to follow programs outside of their capabilities, but instead encourages them to choose the best option available

- If users are not content with the product, they can stop using it at any time

- Users' personal information is not object to any public availability or other unintended usage

2. Product/Service Description

2.1 Product Context

Our product will be independent from others. Since its starting scope is to be a fitness application with diets and training plans, then there would be no need for any other products as of this first draft. Since it will independent then it shall not have any interaction with external interfaces. The only thing that would come to mind is during the sign up process to send a verification email for the account (idea).

2.2 User Characteristics

The product will have multiple users, in order to make its maintenance easier to manage and increase the availability to potential customers.

Admin: Overviews every aspect of the application. Is responsible for the maintenance of each section and can modify the application if needed. Has the ability to delete/modify any normal level user (Trainer, Customer, and Nutritionist) and also the data that is available.

Nutritionist: Has the rights to create and modify existing diet plans that will be linked to his profile. Will be able to look at users that are following his/her plans (view their progress and make any necessary changes) and notify/communicate with them.

Trainer: Has the rights to create and modify existing training plans that will be linked to his profile. Also will have the right to notify/communicate with the users (view their plans make any necessary changes).

Users: Can follow the given diet/training plans, view his progress over the time period of each plan as well as to communicate with the trainer/nutritionist if he wishes to. Users should also be able to leave reviews.
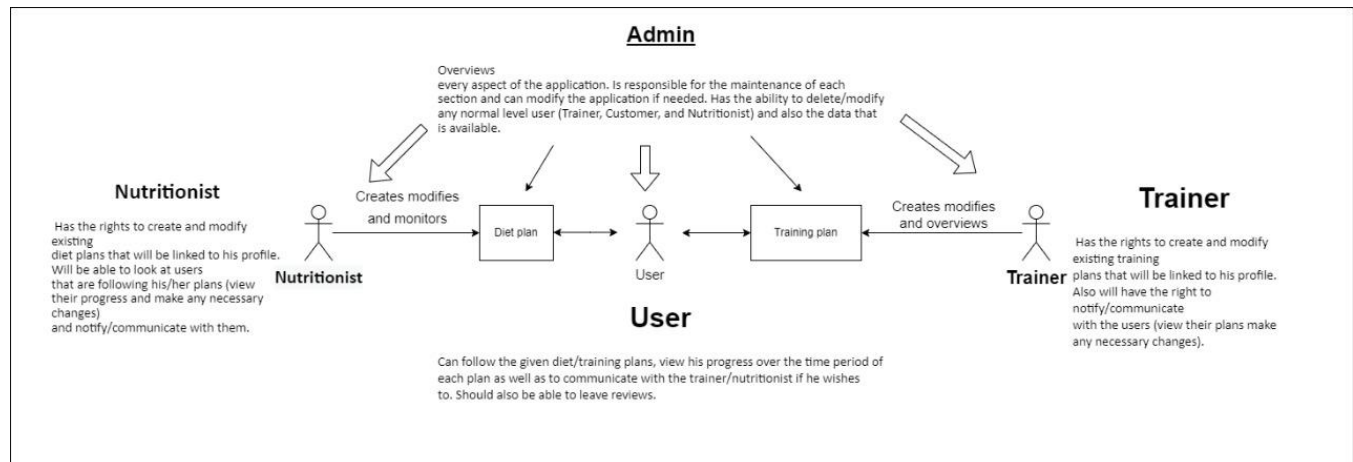
2.3 Assumptions

- We might have issues with SEO since we do not have previous experiences with it
- The application needs to be as much user friendly as possible
- Availability of the products in the online shop

2.4 Constraints

User side:

- The client needs to sign in/sign up
- Clients need to have network connection to access the application
- Financial capabilities to afford the services

System side constraint:

- A server is required to host the webpage (disk space, memory, CPU, etc.)
- A domain is needed to easily connect with the page

2.5 Dependencies

There are some dependencies that might affect the usage of this product:

- Daily reminders in the form of notifications, so users can continue following their programs
- Accessing users' personal data to calculate their progress and the program best suited for them
- Delivering products purchased online by the users, done by a third party

3. Requirements

3.1 Functional Requirements

FitX – The fitness application product

Req#	Requirement	Comments	Priority	Date Rvwd	SME Reviewed / Approved
FITX_01	The product will determine the functionalities provided to the user after the login phase is completed (or register phase if no previous account exists). Users will have differing abilities according to their roles.		1		
FITX_02	The product supports the idea of multiple users and multiple roles. Each user has his personal information and login data. And according to his role, each user will have other specifications.		1		
FITX_03	The product will determine the functionalities provided to users in a predefined manner. These functionalities will not be subject to any change unless circumstances require doing so.		2		
FITX_04	Predefined user roles Admin: Overviews every aspect of the application. Nutritionist: Create and modify existing diet plans Trainer: Create and modify existing training plans Users: Can follow the given diet/training plans		2		
FITX_05	The app will provide the user the ability to update their personal information at any time.		1		
FITX_06	Different users will be able to create, modify or delete specific parts of the product. The admin will overview any actions taken by other users.		1		

Req#	Requirement	Comments	Priority	Date Rvwd	SME Reviewed / Approved
FITX_07	The product will support the idea of user profiles. Each user profile contains customizable options related to their personal data. User profiles are unique and can belong only to one user at a time.		2		
FITX_08	Users will be able to update their profile by using the edit button. They will also be able to change their profile picture and other non-sensitive data.		3		
FITX_09	User will login to the system by entering their username, password and choosing the role. The user is not allowed to login in if the password is incorrect or if the user has no previous account.		1		
FITX_10	The user will have the option of registering (create an account) besides the login option. If registration fails, an error message will be displayed in the screen according to the cause of the error. For example: "Username or password incorrect", "Account already exists" etc. If the registration is successful the user will be redirected to the main menu.		1		
FITX_11	Authorized users will be able to track his progress at any point in time, allowing them to compare results and effectively plan future programs.		1		
FITX_12	The app will provide authorized users permission to search for programs best suited for them, according to their personal data and to other information entered into the search filters.		2		
FITX_13	Users will also be provided with the ability to start a new training program and specify certain attributes of that program such as duration, training days and rest days.		2		

Req#	Requirement	Comments	Priority	Date Rvwd	SME Reviewed / Approved
FITX_14	Training programs chosen by the users will be customizable, meaning that their specifications can be changed In a future time as well. This will allow users to improve their workouts in a consistent manner.		3		
FITX_15	Users will also be able to choose diet programs, according to their personal data and based on suggestion the system will offer them.		2		
FITX_16	The product will also offer authorized users to order custom diet programs from a professional, specifying their preferences or necessities.		3		
FITX_17	The application will provide users (customers) with the ability to do online shopping. This will make different training products more available to the mass.		2		
FITX_18	A variety of products will be offered at the online shopping site, according to the needs of customers and what they look to purchase the most.		3		
FITX_19	The application will gather statistics for every element that completes the fitness experience: the training section, the diet section and online shopping section.		3		
FITX_20	Data gathered by the system will be used to make future improvements to the product and fulfill the needs of the customers. This guarantees an ever-improving experience of using this product.		3		