Software Requirements Specification

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Gym Assistant app

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# 1.0. Introduction

## 1.1. Purpose

The purpose of this document is to present a detailed description of the Gym Assistant application .Content includes research, requirements, use cases, data requirements, usability. This document outlines key technical details of the Gym Assistant application.

This document is intended for both the stakeholders and the developers of the system.

## 1.2. Scope

Gym Assistant is a community based health and fitness mobile application. It aims to offer a social environment for people interested in health and fitness. The application will be fueled by user generated content, users will be able to submit and view exercise programs within the application. All programs in the application will be submitted by users of the application, so if a user finds a certain program works really well for them or finds a useful workout on the internet, they can submit it to the application for other users to try out. Users will be able to rate programs submitted to the application, this will help ensure high quality content within the application. The main objectives of our project is to create an app which enables the user to effectively lose weight, maintain weight and gain muscle in a sustainable manner with clear and concise plans

## 1.3. Glossary

|  |  |
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| **Term** | **Definition** |
| Software Requirements Specification | A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document. |
| Stakeholder | Any person with an interest in the project who is not a developer. |
| User | Any person who will use this app. |
| Google Firebase | A No SQL, real-time, online database used to permanently store application data. |
| GUI | (graphical user interface) is a system of interactive visual components for computer software. A GUI displays objects that convey information, and represent actions that can be taken by the user. The objects change color, size, or visibility when the user interacts with them |
| API | An application programming interface (API) is a computing interface which defines interactions between multiple software intermediaries. |
| IOS | iOS is a mobile operating system created and developed by Apple Inc. exclusively for its hardware. It is the operating system that presently powers many of the company's mobile devices, including the iPhone, and iPod Touch; it also powered the iPad prior to the introduction of iPadOS in 2019 |

## 1.4. References

IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.

## 1.5. Overview of Document

The next chapter, the Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter.

The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.

Both sections of the document describe the same software product in its entirety, but are intended for different audiences and thus use different language.