

CS4670 Coursework - Workout Recorder App

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Contents

| | | |
|----------|---------------------------------------|----------|
| 1 | Introduction | 3 |
| 2 | Requirements | 3 |
| 2.1 | High-level Requirements | 3 |
| 2.2 | Functional Requirements | 3 |
| 2.3 | Non-functional Requirements | 3 |
| 3 | | 3 |

1 Introduction

The purpose of this report is to produce a full and complete set of requirements and goals for a workout recorder app, along with a detailed scope and diagrams to support all of this. I will first analyse what the client's requirements are and how these translate into high level requirements, then break these down into functional and non-functional requirements. I will then use these requirements to produce a set of goals for the system and the needed diagrams (e.g. UML, sequence, collaboration, etc) that will further explore the system. The goal of this report will be such that, when it is finished, a developer or team of developers will be able to take it and build the system it describes.

2 Requirements

2.1 High-level Requirements

The high level requirements of this project are as follows:

- Record which workouts are done or gym classes are followed that day
- Record time and/or distance achieved per workout
- Be able to visualise achievements/goals via graphs or other statistical methods
- App is able to upload progress, achievements and goals to a user-made account
- App is able to work without being connected to the internet
- Non-technical and intuitive user interface
- Development time of three to six months
- Budget of £20,000-£30,000

2.2 Functional Requirements

2.3 Non-functional Requirements

3

Citations

Abramowitz, Milton and Irene A. Stegun (1964). *Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables*. ninth Dover printing, tenth GPO printing. New York: Dover.