

Imperial College London

INDIVIDUAL PROJECT INTERIM REPORT

Name

Walking app

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Chapter 1

Introduction

1.1 Motivation

1.2 Objectives

- Record walks (not necessarily on the London Loop)
 - During walks, information is shown about points of interest around you
 - Take photos during walks
- Each user has a profile which walks can be published to
 - Walks can be marked as public or private, with public walks visible on your profile to other users
 - Gamification aspect each user has a score on their profile based on how far theyve walked + other factors e.g. more points if you walk everyday for a week
- Leaderboard of the most popular walks in your area
 - Each walk would show you stats about it e.g. length of walk, which user has walked it the most, etc.
 - Users can then go on these walks by following directions
- Users can invite other users to go on a walk with them
 - Bonus points for score for walking together?
- (extension?) Feed of your friends recent walks
 - Users can add other users as friends
 - Feed shows a list of all the walks recently completed by friends

The aim of the project is to produce a working application that encourages people to walk more and helps discover places in the world. The main objectives for the project are as follows:

- Obj 1** Build a fully functioning iOS application with a simple design and an easy to use user interface
- Obj 2** The application should allow the user to track the routes of the walks they go on, as well as provide statistics about the walk such as distance travelled and calories burned
- Obj 3** During a walk, the application will display certain points of interest on a map near the user's current location
- Obj 4** Each user should be able to register an account within the application and publish their tracked walks to their profile
- Obj 5**

Chapter 2

Background

2.1 Existing Applications

There are a few existing applications that have

Features	MapMyWalk	Strava	Let's Walk	Pokmon Go
Design (2)	2	2	2	2
Ease of use (3)	3	3	2	3
Tracking location (2)	2	2	2	1
Navigation (4)	3	1	1	2
Social interaction (5)	2	2	2	0
Total	12	10	9	8

Table 2.1: Matrix showing how well existing walking apps perform at given features

2.2 Technologies

Chapter 3

Project Plan

3.1 Extensions

Should the objectives listed in section 1.2 be completed before the end of the project and there is enough time remaining, I have created a list of extensions that I would like to implement into the application.

Ext 1 Add the ability for users to add each other as friends within the app

Ext 2 A recent activity feed could be added to show users what walks their friends have been on recently

Ext 3 The user should be able to take photos during a walk and then publish these photos to their profile along with the walk

Chapter 4

Evaluation Plan