

## Table of Contents

<b>Description.....</b>	<b>1</b>
<b>Intended User .....</b>	<b>1</b>
<b>Features.....</b>	<b>1</b>
<b>User Interface Mocks (Phone).....</b>	<b>2</b>
<b>User Interface Mocks (Tablet).....</b>	<b>2</b>
<b>Key Considerations.....</b>	<b>2</b>
How will your app handle data persistence? .....	2
Describe any corner cases in the UX. ....	2
Describe any libraries you'll be using and share your reasoning for including them. ....	2
Google/Firebase Services.....	2
<b>Next Steps: Required Tasks.....</b>	<b>2</b>
Task 1: Project Setup .....	3
Task 2: Google APIs setup .....	3
Task 3: Implement UI for Each Activity and Fragment .....	3
Task 3: Your Next Task.....	3
Task 4: Create Widget.....	3
Task 5: Create Watch App.....	3

GitHub Username: [Jacko1972](#)

# Fit Me App

## Description

An App to provide access to the features provided by the Google Fit Ecosystem.

## Intended User

A User who wished to track their Fitness activities.

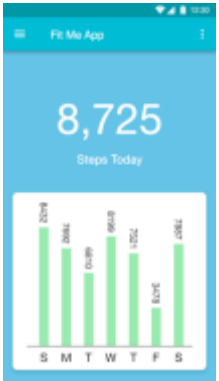
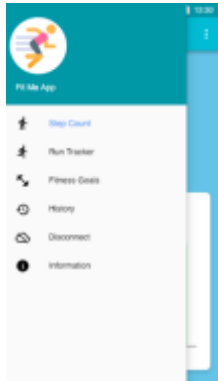
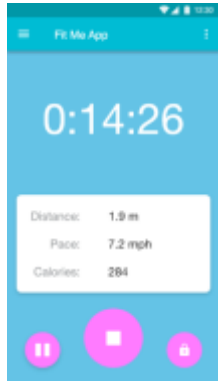
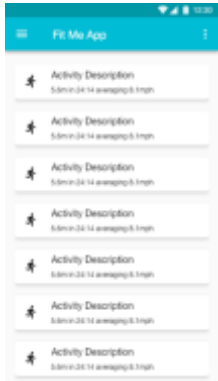
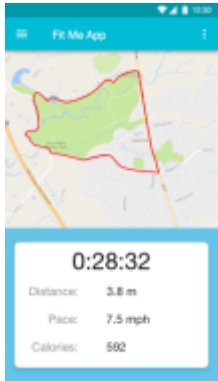
## Features

Fit Me App has the following features:

- Provides access to current daily step count.
- Displays a history of step counts in an easy to read bar chart format.
- Create your own Fitness Session, save and store it to the Google Fit cloud.
- Align the App to meet your own Fitness Goals.

## User Interface Mocks (Phone)

Created with the Adobe Creative Cloud program, Experience Design (Beta).

Step Count Screen	Navigation Drawer	Running Activity	Activity History List	Activity History Detail
				
A variety of screens to cover the UI layouts used in the Application.				

## User Interface Mocks (Tablet)

UI layouts for Tablets will follow Material Design specifications following the Phone layouts above.

Predominantly the App will be used on a phone or watch, rarely do users run with a tablet.

## Key Considerations

### How will your app handle data persistence?

Taking advantage of the Google Fit backend data storage

### Describe any corner cases in the UX.

A Navigation Drawer will provide access to the different functions the App provides

### Describe any libraries you'll be using and share your reasoning for including them.

MPAndroidChart is a powerful & easy to use chart library for Android to display activity data.

Welcome Screen <https://github.com/stephentuso/welcome-android>

## Google/Firebase Services

Google Fit APIs for Android

Google Maps API for display of Activity Sessions if Location is used.

Google Firebase Analytics and Crash Reporting

## Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

## Task 1: Project Setup

- Create project in Android Studio
- Create Classes
- Create Google Play Services connections for Google Fit APIs

## Task 2: Google APIs setup

### Create Project in Google Developer Console

- Create Google Fit API OAuth Access Key
- Create Google Maps API Credentials
- Import Project in Firebase Developer Console
- Setup Firebase Analytics for use in Project

## Task 3: Implement UI for Each Activity and Fragment

- Build a UI for Step Count, Run Tracker, Goals and History
- Build a UI for Instructions for User
- Provide a Disconnect function from Google Fit

## Task 3: Your Next Task

- Implement Firebase Analytics and Crash Reporting
- Implement Google Maps integration

## Task 4: Create Widget

- Build a widget that displays the current day's step count.

## Task 5: Create Watch App

- Create a Watch App to allow the User to start an Activity Tracker Session.
- Provide a complication to be used in other Watch faces to show step count.

---

### Submission Instructions

1. After you've completed all the sections, download this document as a PDF [ File → Download as PDF ]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone\_Stage1.pdf**"