

Table of Contents

Description.....	1
Intended User	1
Features.....	1
User Interface Mocks (Phone).....	2
User Interface Mocks (Tablet).....	2
Key Considerations.....	2
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.	3
Google/Firebase Services.....	3
Next Steps: Required Tasks.....	3
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 wishes to track their Fitness activities and Water Intake.

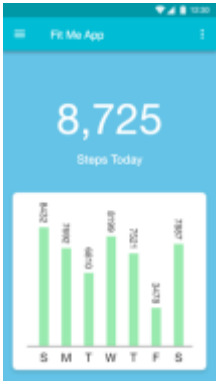
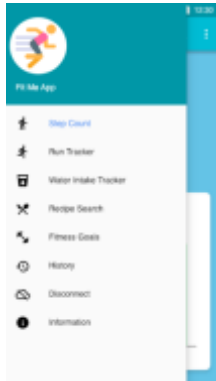
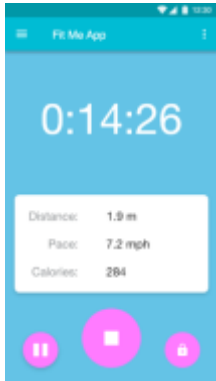

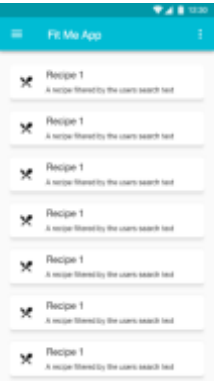
Features

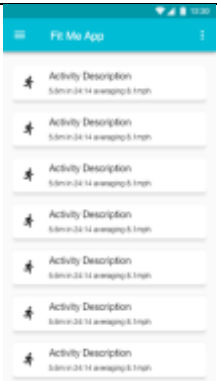
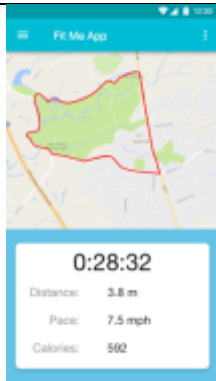
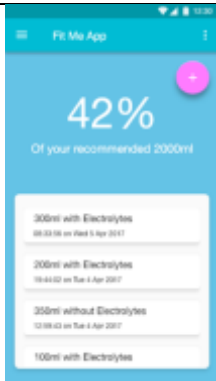
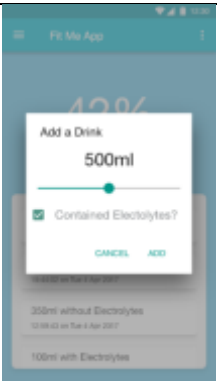

Fit Me App has the following features:

- Provides access to current daily step count and display in widget.
- 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.
- Track your daily drink intake and display in widget.
- 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	Recipe Search	Search Results
				
A variety of screens to cover the UI layouts used in the Application.				

Activity History List	Activity History Detail	Water Tracker	Add A Drink	Widget
				
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?

A Content Provider will hold a persistent record of the Water intake and the stored data will be used to provide the user data on their intake against recommended water intake guidelines. A Loader will be used to fill a list view of Water Intake history. Take advantage of the Google Fit backend data storage for Fitness data.

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>

FatSecret API to allow user to search for a recipe by providing key words and display the ingredients and instructions to the user on selection from a List.

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

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 Google Fit API OAuth Access Key
- Create Project in Google Developer Console
- 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, Water Tracker, Goals and Activity/Water History
- Build a UI for Instructions for User
- Provide a Disconnect function from Google Fit

Task 3: Implement App Logic and Libraries/APIs

- Implement Firebase Analytics and Crash Reporting
- Implement Google Maps integration
- Create Content Provider for storage of drinks taken information
- Create Loader to provide a list of drinks taken
- Create access to FatSecret API for Recipe Search using AsyncTask for requests

Task 4: Create Widget

- Build a widget that displays the current day's step count and the running total as a percentage of users water intake

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.
- Provide a complication to be used in other Watch faces to show water intake.

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**"