SPRINT 1

TASK 2

GROUP 3

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UNIVERSITY OF SUSSEX | 14 OCT 2015

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INTRODUCTION

Sprint documents are a series of documents that the Documentation writer will publish after every sprint, detailing all aspects of the sprint including user specification, product backlog, release backlog, burndown chart, class diagram, use case diagram, sequence diagram, and patch note.

By reading this series of documents, the reader will have a clear picture of what is done in every sprint and details about each version of the release.

USER SPECIFICATION

The client is looking for an android application that can display the phone's current GPS location. The development team have to consider the following:

- Format of display
- Update/refresh rate of the position
- What happen when GPS is off or not available

PRODUCT BACKLOG

This list of features includes everything that the development team might ever do.

As a user, I want to:

- Know my location
- Read it on a map
- Zoom in and out
- Know name of places on map
- Know longitude and latitude position
- See different views of the map, i.e. satellite, road, etc.

RELEASE BACKLOG

Here are the features to be implemented in this sprint. Listed in priority order with the most important feature at the top of the list, and the amount of time needed to complete the task estimated in hour.

1. Display location using Longitude and latitude positions (1 hour)
2. Display on map with a marker (1 hour)
3. Display name of the place (1 hour)
4. Views (satellite, Earth, street) (1 hour)
5. Zoom in/out (1 hour)

BURNDOWN CHART

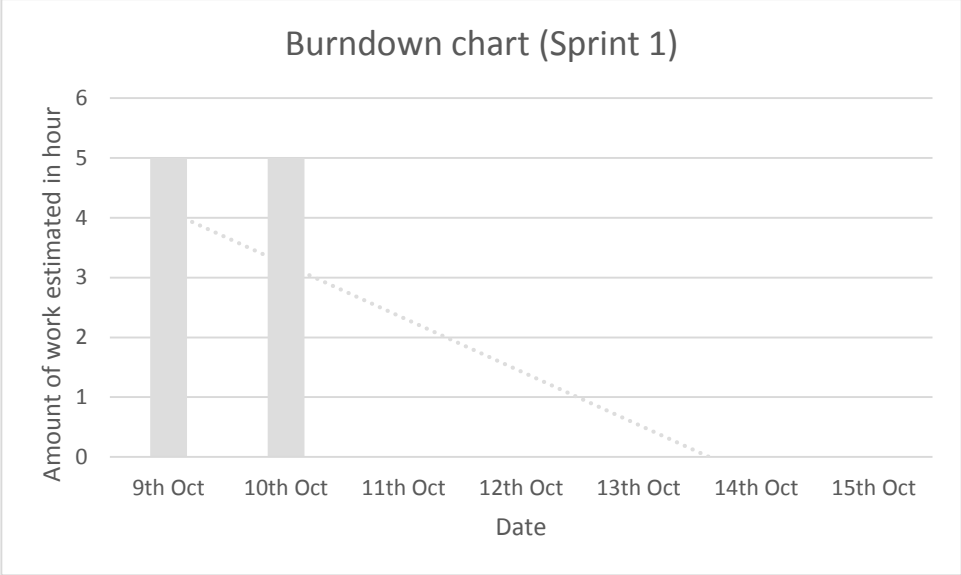

FIGURE 1. BURNDOWN CHART SHOWING THE AMOUNT OF WORK LEFT ON ANY GIVEN DAY ESTIMATED IN HOUR.

CLASS DIAGRAM

Mark	Visibility type
+	Public
#	Protected
-	Private
~	Package(default)

TABLE 1. MARKS FOR UML-SUPPORTED VISIBILITY TYPES.

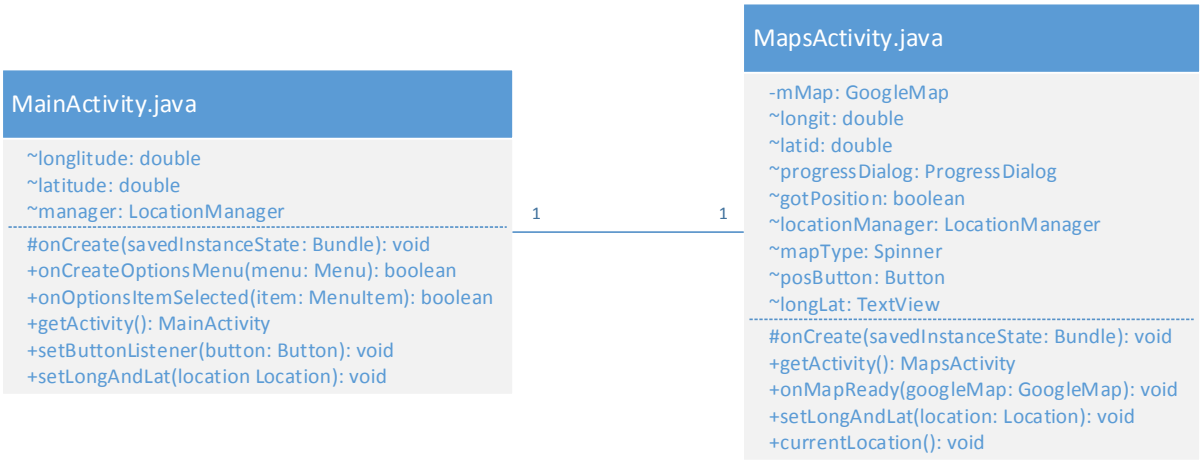

FIGURE 2. CLASS DIAGRAM SHOWING MAINACTIVITY.JAVA AND MAPSACTIVITY.JAVA. THE UPPER PART CONTAINS ATTRIBUTES OF A CLASS AND LOWER PART CONTAINS METHODS OF A CLASS.

USE CASE DIAGRAM

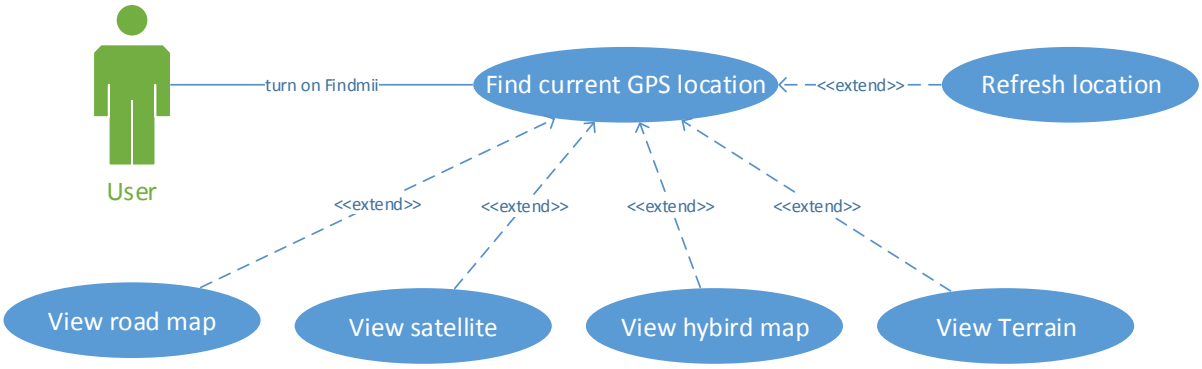

FIGURE 3. USE CASE DIAGRAM SHOWING THE ACTIVITIES A USER CAN DO.

SEQUENCE DIAGRAM

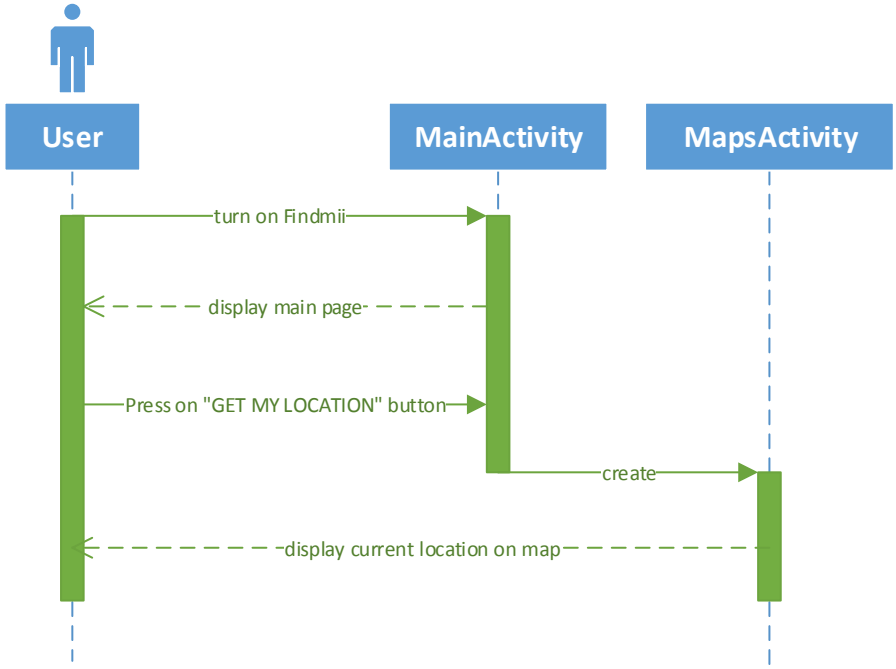

FIGURE 4. SEQUENCE DIAGRAM SHOWING INFORAMTION FLOW BETWEEN USER AND OBJECTS WHEN THE USER USES FINDMII TO FIND THE CURRENT LOCATION.

PATCH NOTE

Findmii version 1.0

- First release of Findmii.
- Implemented a main page with a “GET MY LOCATION” button.
- Implemented the GPS system using Google map API that will display the current location of the phone.
- Implemented the switch view system that would allow the user to switch between satellite, road map, hybrid map, and terrain view.
- The user can zoom in and out of the map.
- The user can refresh the location by pressing the “Find me again…” button.
- Latitude and Longitude are displayed at the bottom of the screen.