# SPRINT 9 TASK 5

## GROUP 3

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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

For this task, the development are free to implement anything.

#### PRODUCT BACKLOG

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

- Search by postcode/address or budget
- Filter by house/flat
- Add colour bar to map
- show most recent/or specified sale for a particular year
- show pins past a certain zoom level
- save favourite places
- comparison between two postcodes
- get least and most expensive postcodes in country
- get criminal activity for each postcode
- Standard of living for different postcodes
- public transport points

#### 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. Search by postcode/address or budget (10)
- 2. Filter by house/flat (10)
- 3. Add colour bar to map (5)
- 4. show most recent/or specified sale for a particular year (20)
- 5. show pins past a certain zoom level (15)
- 6. save favourite places (20)

#### **BURNDOWN CHART**

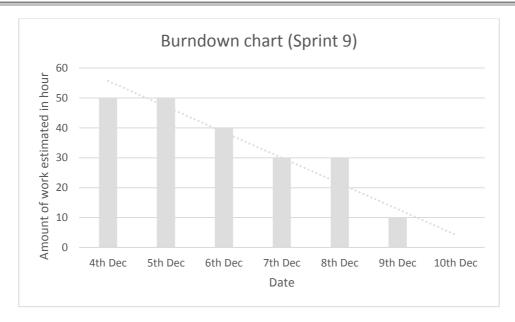


FIGURE 1. BURNDOWN CHART SHOWING THE AMOUNT OF WORK LEFT ON ANY GIVEN DAY ESTIMATED IN HOUR.

#### CLASS DIAGRAM

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

TABLE 1. MARKS FOR UML-SUPPORTED VISIBILITY TYPES.



Figure 2. Class diagram. The upper part contains attributes of a class and lower part contains methods of a class.

#### USE CASE DIAGRAM

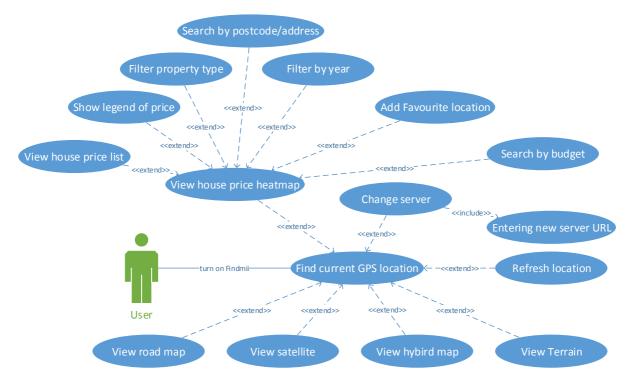


FIGURE 3. USE CASE DIAGRAM SHOWING THE ACTIVITIES A USER CAN DO.

#### SEQUENCE DIAGRAM

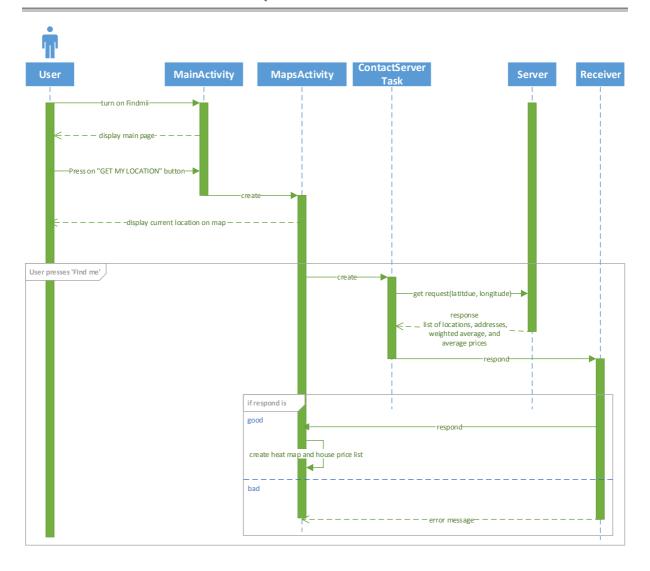


FIGURE 3. SEQUENCE DIAGRAM SHOWING INFORAMTION FLOW BETWEEN USER AND OBJECTS WHEN THE USER USES FINDMII TO FIND THE CURRENT LOCATION.

#### DATA BASE STRUCTURE

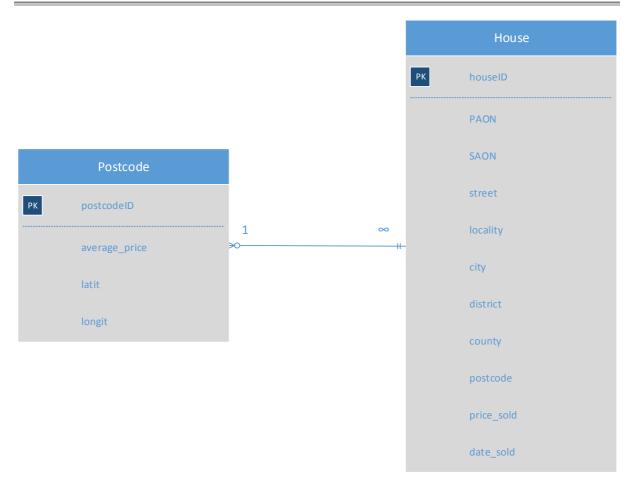


FIGURE 5. DATABASE NOTATION.

PAON: Primary address object name, which is the house number of the property.

SAON: Secondary address object name, which is the flat number of the property.

#### PATCH NOTE

#### Findmii version 4.0

Regarding the price heat map, the user can now:

- Search by postcode/address or budget
- Filter by house/flat
- show most recent/or specified sale for a particular year
- show pins past a certain zoom level
- save favourite places
- toggle the legend of price