



Wi-Finder

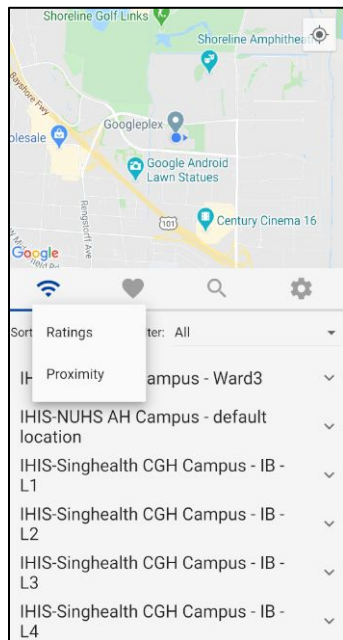
TeddyBack

Nicholas, Tammy, Jia Hui, Jeremiah, You Min, ZhiWei



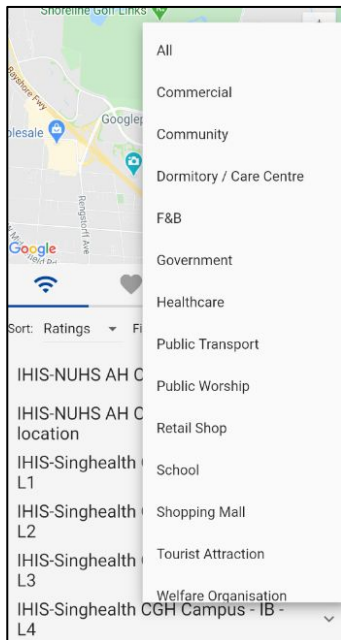
Wi-Finder is a mobile application that aims to aid users in finding the nearest available free Wi-Fi hotspot from Wireless@SG

Features

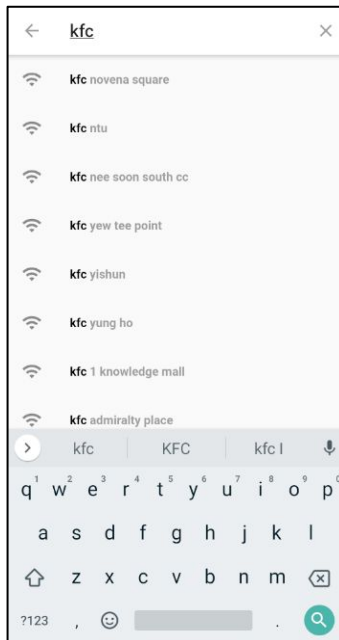


Sort

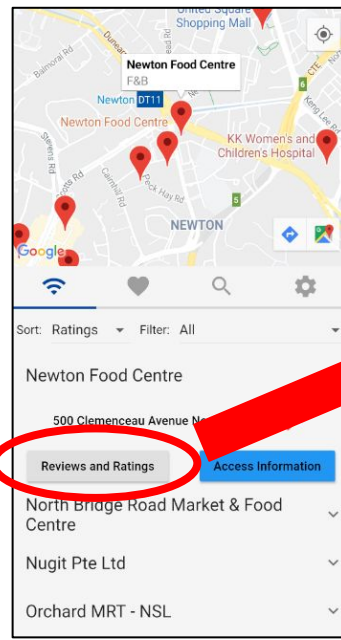
Hotspots are displayed on a Map, with the options to sort, filter and search for them



Filter

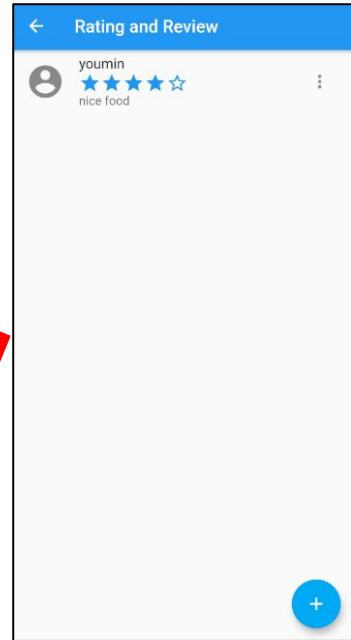


Search

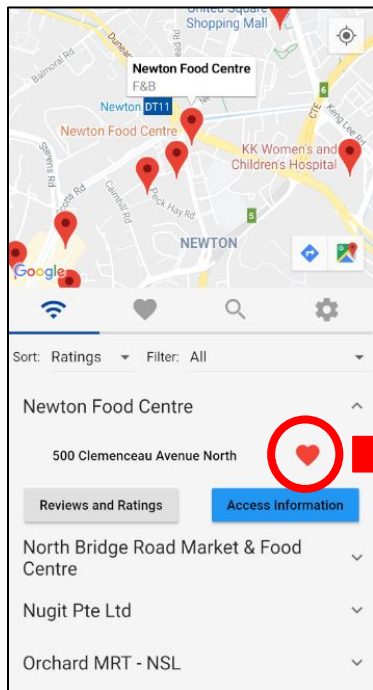


Review Hotspots

Users can view other people's reviews of a hotspot. They also can post, edit and delete their own reviews

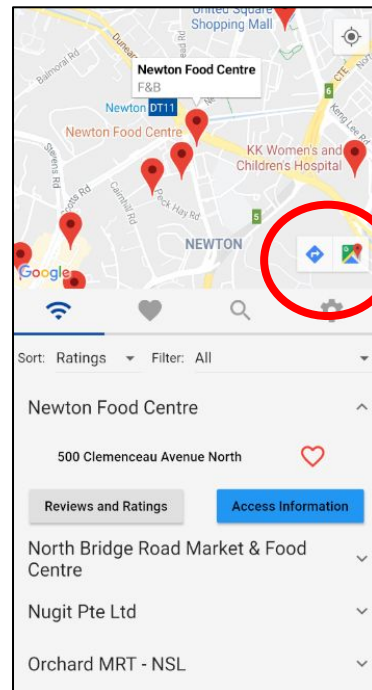
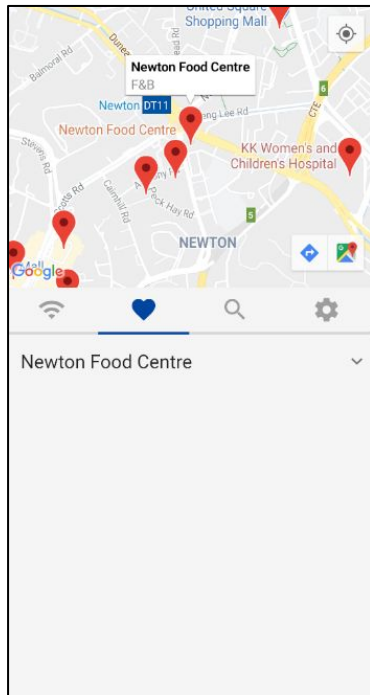


Features



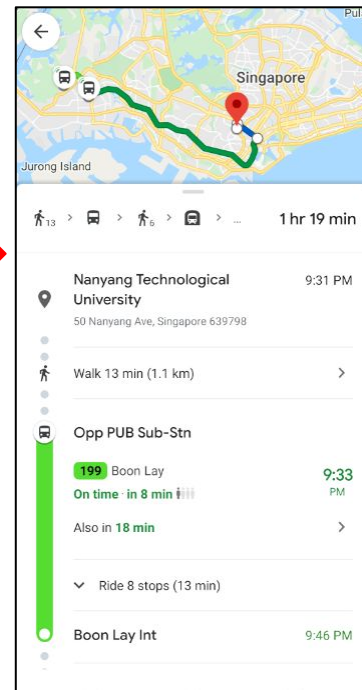
Favourite Hotspots

Users can add hotspots to their favourite list. Favourites are saved to user account to ensure mobility between multiple platforms

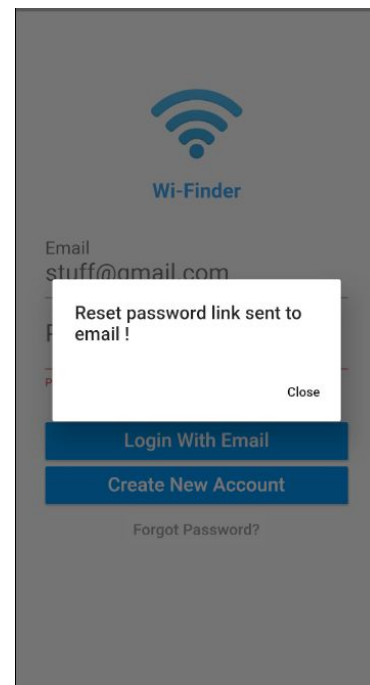
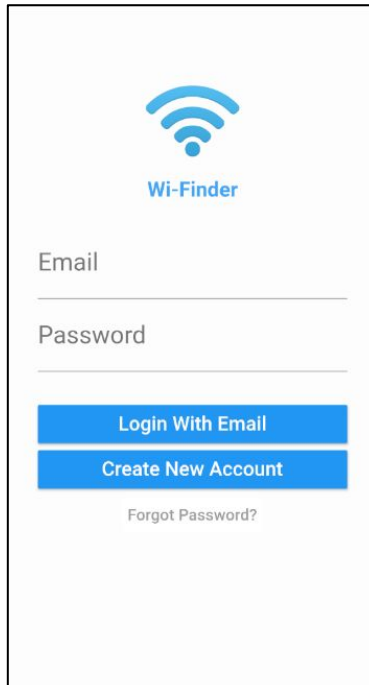
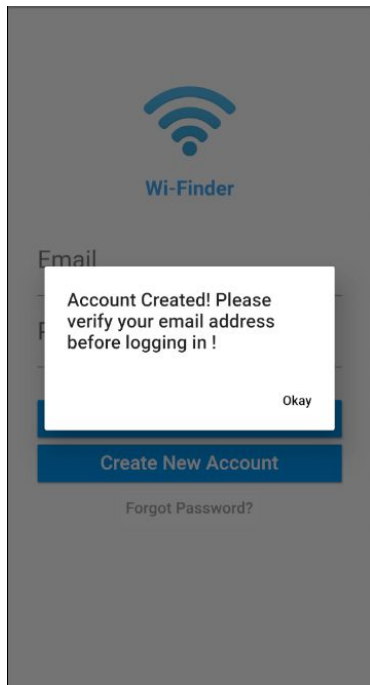


Direction Guide

Give users directions to desired hotspot by linking to Google Maps



Features



Login

User login and verification to add reviews and save data





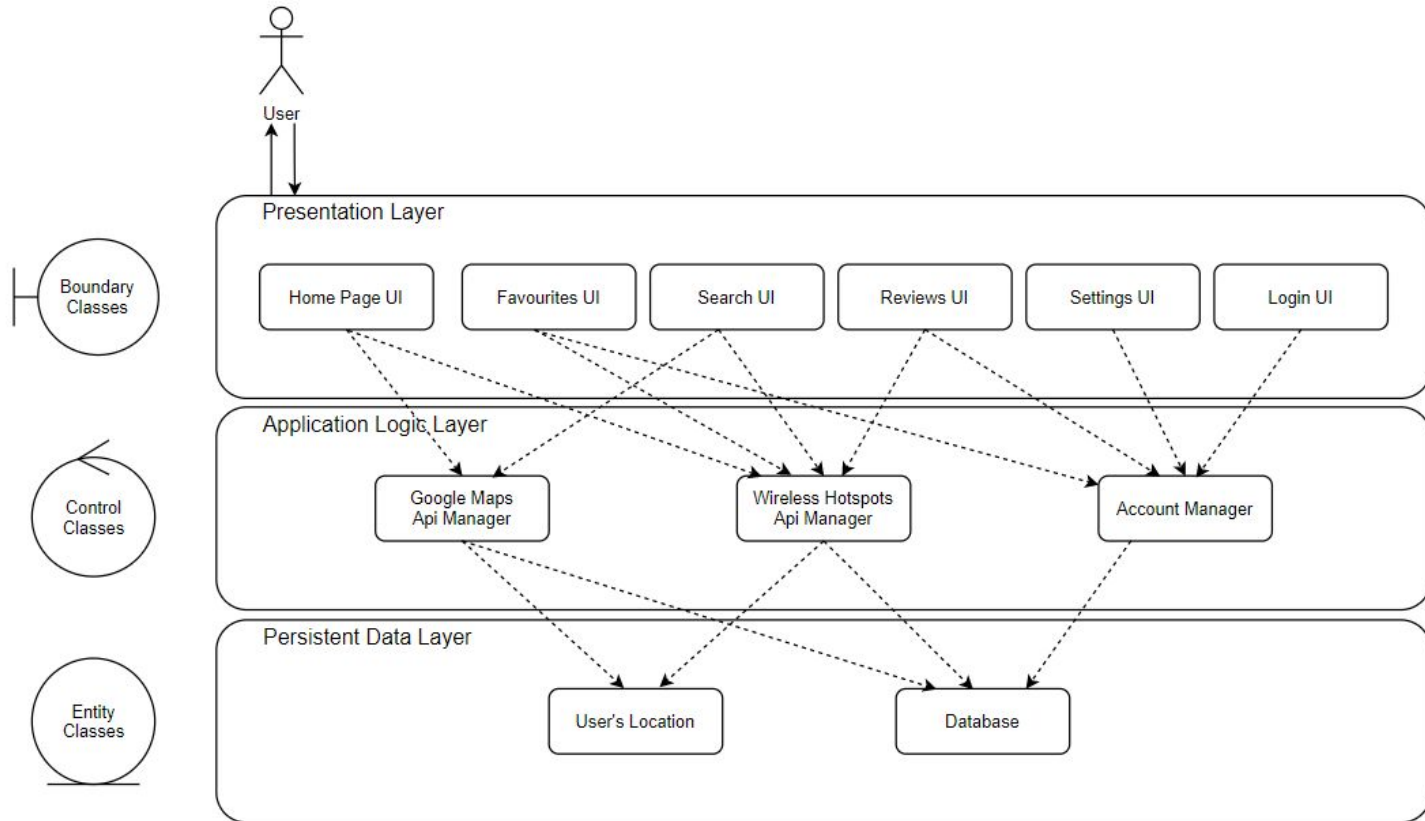
Flutter

+

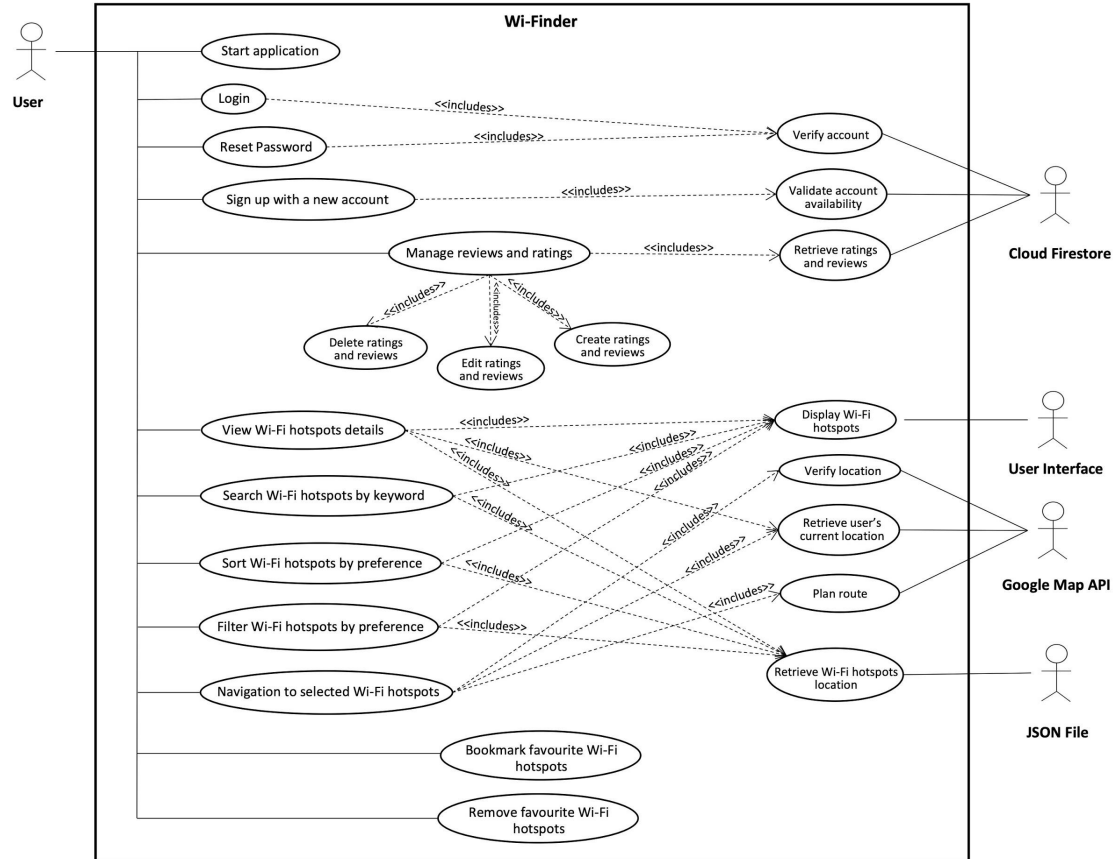


Firebase

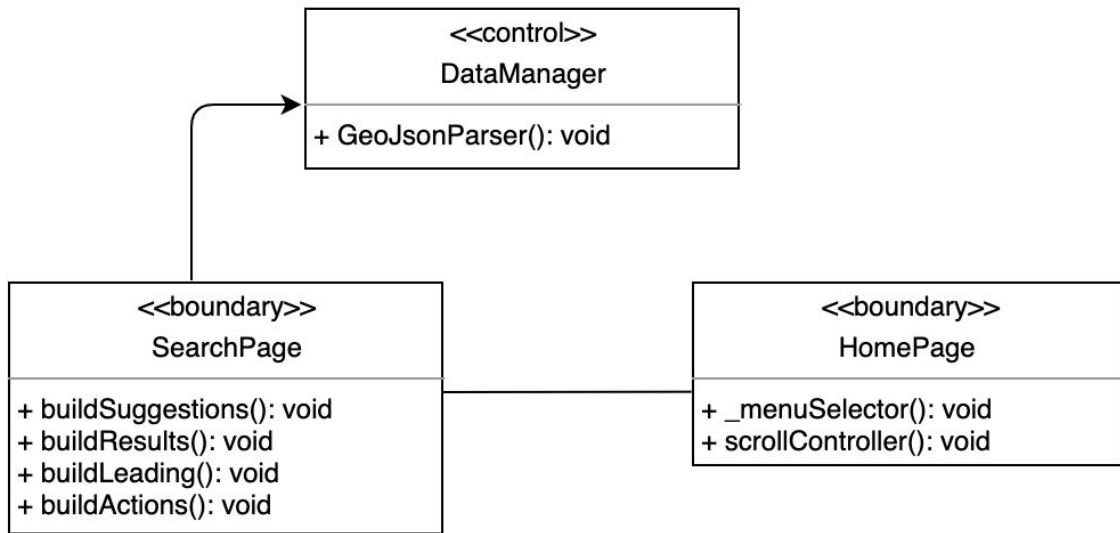
System Architecture



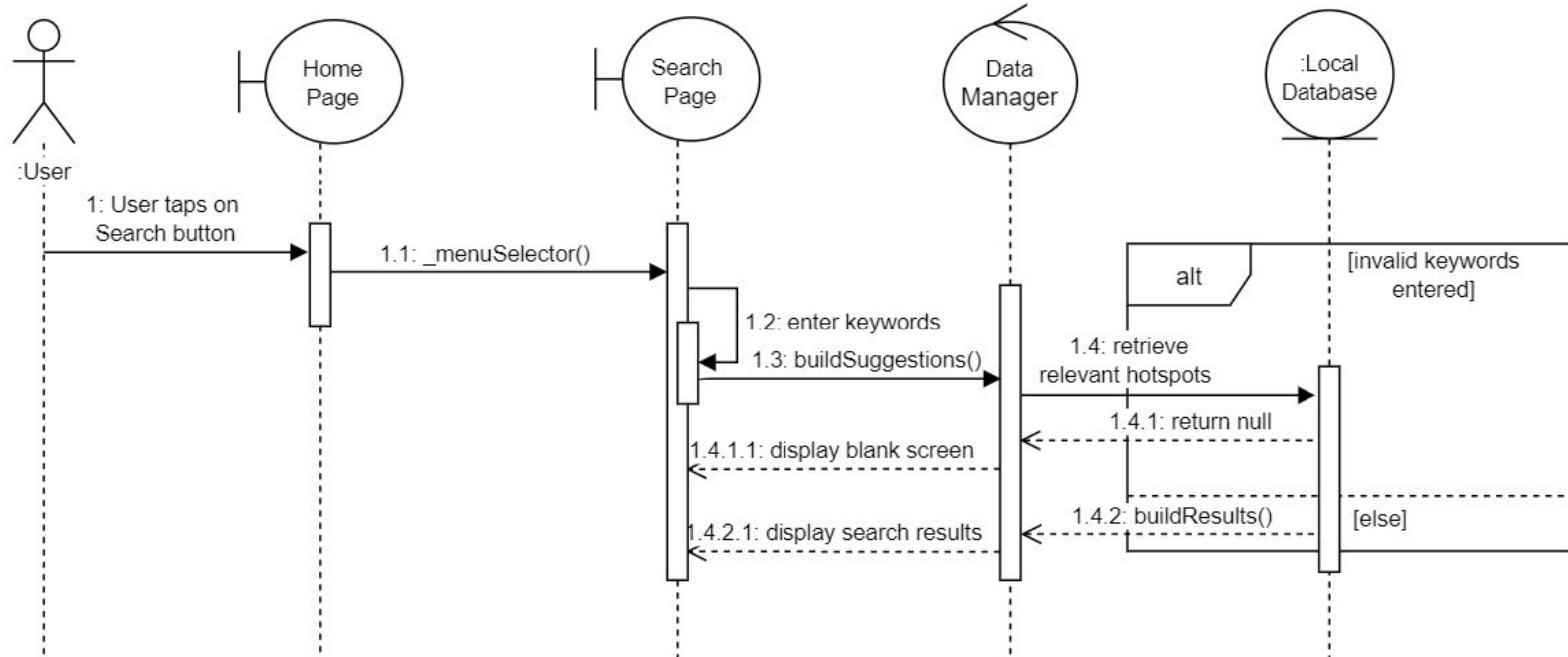
Use Case Diagram



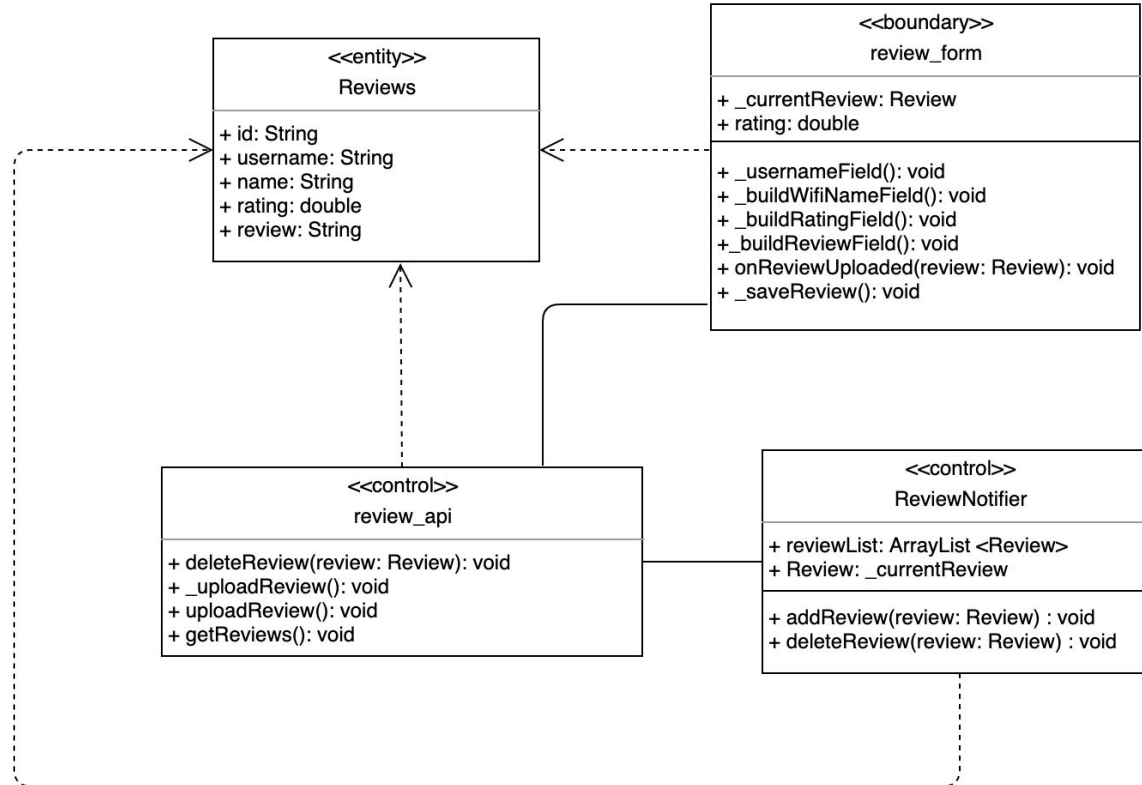
Class Diagram: Search



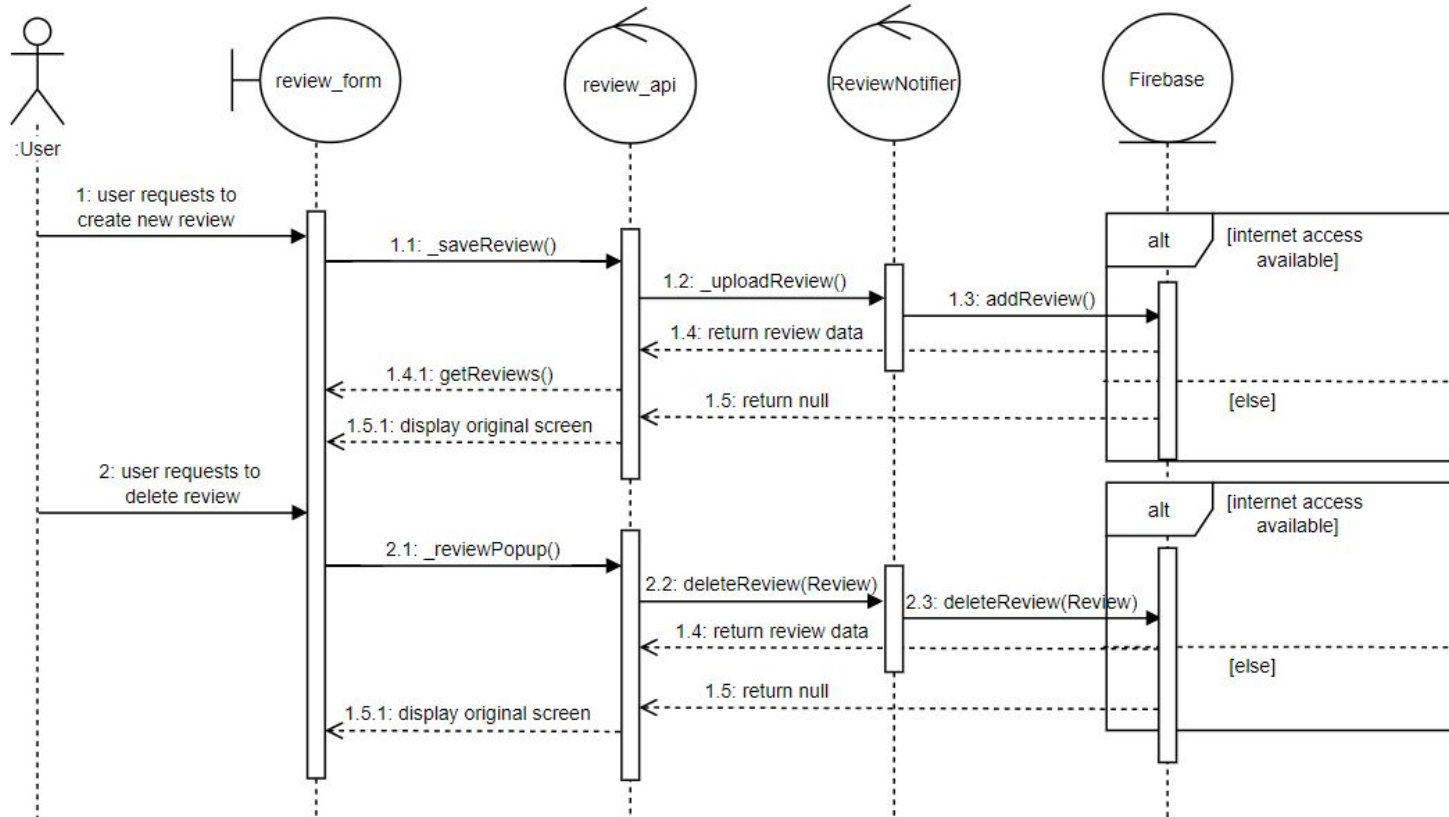
Sequence Diagram: Search



Class Diagram: Ratings & Reviews



Sequence Diagram: Ratings & Reviews

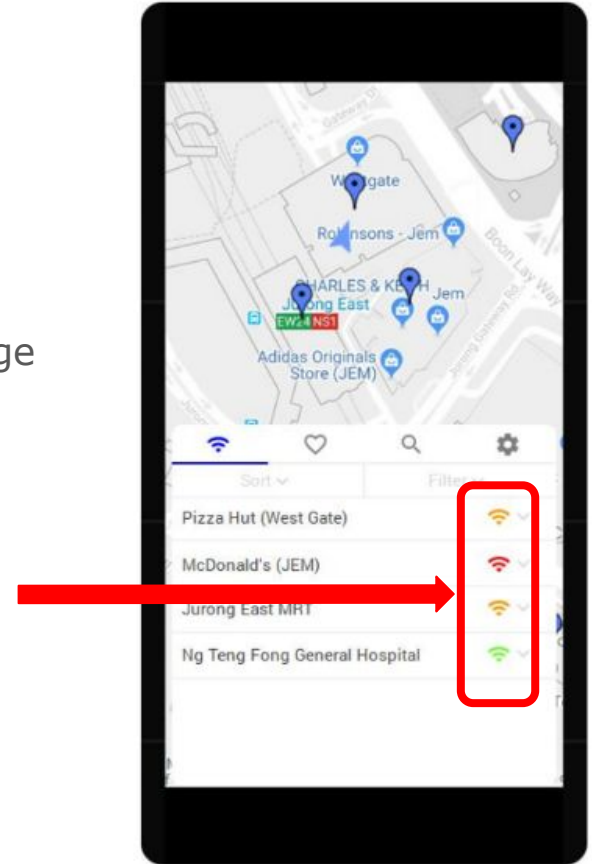


Future Implementations: Crowd Data



1. Allows users to check the level of crowd of any Wi-Fi hotspot location
 - a. Users can gauge the availability of seats/Wi-Fi performance
2. Crowd data can be updated at will by refreshing the page

Crowd-level
indicator



Future Implementations: Offline Mode



1. Allows users to choose a predefined area to download the database for that area
 - a. Stores the information on local phone storage as a local database
2. Users can use the app and all its features; search, sort, filter, without an internet connection
3. Offline-mode database can be updated in the app's settings whenever user have an internet connection

Product Demo

