Wi-Finder

Use Case Diagram

Submitted to:

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Unique Reference:

The documents are stored in *https://github.com/191GPZ1617A/wifinder*.

Document Purpose:

This document serves as a foreword to the project that the group attempts to build throughout the course proper. Stated below are the plans and specifications of the use cases of the Wi-finder project.

Target Audience:

The software is primarily targeted towards mobile users looking for a temporary public internet connection that will suit their purposes (messaging, email, etc.) while on-the-go. The initial release will be focused towards the UP community, and may be expanded if the project is received well.

Revision Control

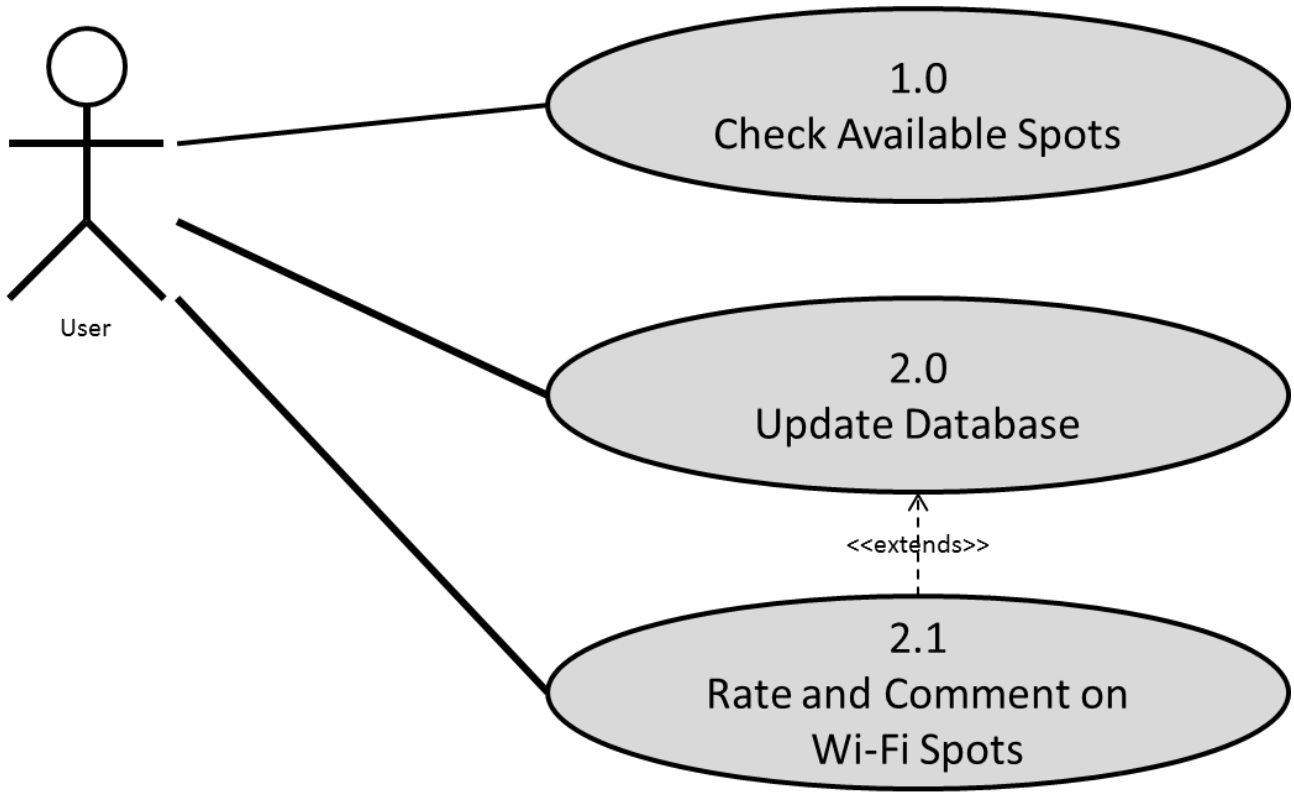
History Revision:

Revision Date	***Person Responsible***	***Version Number***	***Modification***
09/29/16	All Members	1.0	Initial Document; Version number should match the one below.

System Name: Wi-Finder

Description: The system is designed to find reasonable Wi-Fi within a set radius as well as the strength and details such as password, proxy and location. The system will use a database to get the necessary data in order to determine the best router. A rating system will be used to test for accuracy of the Wi-Fi quality.

Use-Case Diagram:



List of Actors:

Actors	***Description***
User	They represent the general users of the system. They would be using the app to check for available Wi-Fi spots. They would also (indirectly) update the server databases with new environment data and provide ratings and comments on available spots.

List of Use-cases:

Use-Case	***Description***
Use-Case 1.0 Check Available Spots	Look for surrounding Wi-Fi hotspots and internet places, and gather all necessary info regarding the spots (e.g. signal strength given time of day). This can be done by checking either the environment or the device's last updated version of the database.
Use-Case 2.0 Update Database	Send updates to the server database. This uses the gathered data from the surroundings.
Use-Case 2.1 Rate and Comment on Wi-Fi Spots	Give user ratings of Wi-Fi spots and send these to the server database.