

## **Sprint Planning Document**

Iteration 2

Sprint Length: 3 Weeks

**Wifil**

Team 6

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### **Purpose:**

For this iteration we want to bring together all of what the team has produced individually and start building a single cohesive project entity. The project, by the end of this iteration, will be able to demonstrate the basic functionality of the application. This includes Wi-Fi locating/listing, server communication, and database management.

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### **Michael:**

- Implement a custom scrollable ListView to contain the Wi-Fi hotspots in a user-friendly manner. (Hours: 3)
- Add the ability to post a Wi-Fi hotspot JSON object to the database. (Hours: 2)
- Use Wi-Fi signal strength to determine rough estimate of the radial signal reach of hotspots. (Hours: 1)

### **Billy:**

- Create request testing page w/ jQuery/AJAX - possibly repurpose later as web viewer (Hours: 1)
- Create API call to write new hotspots to the server (Hours: 2)
- Create API call to update existing hotspots (Hours: 2)
- Improve API call to search for hotspots given coordinates and radius using hash system (Hours: 2)

### **Brandan:**

- Add functionality to the ServerCommunication file for JSON file uploading (Hours: 2)
- Allow for data retrieval from the servers via POST requests (Hours: 2)
- Integrate the ServerCommunication to the main android application body (Hours: 2)
- Integrate API calls into the android application (Hours: 3)

### **Bakytzhan:**

- Integrate GoogleMap (Hours: 2)
- Connect it to database so it can retrieve the data from the server and send data to it. (Hours: 4)

### **Group:**

- Meet together to integrate all of our individual parts to one cohesive working project.

## User Stories:

- As a student, I would like to easily be able to find public Wi-Fi hotspots within a given radius of myself on campus.
- As a general user, I would like to be able to find public Wi-Fi hotspots within a given radius of myself in any location.
- As a user, I would like to have quick server responses for Wi-Fi searches.
- As a user, I would like to enjoy the security and control over which Wi-Fi locations I pin.
- As a user, I would like to be able to view settings and information pertaining to individual Wi-Fi hotspots.
- As a user, I would like to be able to filter hotspots based on a set of provided criteria.
- As an Android phone owner, I would like to use an intuitive user interface that follows Android UI design patterns.
- As a user, I would like to log in using my pre-existing Google account.
- As a user, I would like to cache nearby hotspot information for offline access.
- As a user, I would like to view ratings and detailed information about specific hotspots.
- As a developer, I would like an easy to use API for third party application access.
- As a Google Maps user, I would like to be able to save or favorite hotspot map locations.
- As a user, I would like to view locations on the map to easily find the location.