Sprint Planning Document   **Wifil**
Iteration 1   Team 6
Sprint Length: 3 Weeks

Purpose:

In this iteration our team will set up the XAMPP server and the API for database access, find a way to list the Wi-Fi networks, implement client-to-server communication, and make a demo of the Google Maps view.

Michael:

- Find and list available Wi-Fi networks in range of the client's current location using BSSID. (Estimated 5 hours)
- Show details about individual Wi-Fi networks such as SSID, signal strength, accessibility, IP address, etc. (Estimated 1 hours)
- Implement sending and writing hotspots to database. (Estimated 5 hours)

Billy:

- Set up initial database (Estimated 3 hours)
- Implement API for external database requests - returns static data (Estimated 10 hours)

Brandan:

- Communicate with server (Estimated 5 hours)
- Implement retrieval of hotspots from the server. (Estimated 5 hours)
- Implement editing of server side information. (Estimated 3 hours)

Bakytzhan:

- Set up Google Maps View within Android Client (Estimated 6 hours)
- Enable ability to drop pins in arbitrary locations (Estimated 3 hours)

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.