WifiGeolocator

Jonathan Mellor, Craig Weir

The WifiGeolocator is an application designed to be used by anyone. It has many functions including searching for access points, and analyzing the access points around the user.

Technologies:

* The main framework is using Cordova 2.0.0, JQuery, JQuery UI, and JQuery Mobile.
* To scan for networks, a plugin for Cordova written in Java is being implemented.
* HTML5 local storage is used for storing user settings.
* PHP and MySql are being used server side for long term data storage and data validation.

Summery of work accomplished (programmer, time):

* Cordova Wifi scanner plugin (Jonathan, 8 hours)
* Data Storage (Jonathan, 6 hours)
* Google Maps and Markers (Jonathan, 4 hours)
* Analyze Screen (Jonathan, Craig, 8 hours)
* General UI (Craig, 3-4)
* Settings Page and Storage (Craig, 4)
* Misc. (Jonathan, Craig, 4 hours)

Work reserved to version 2

* Search for access points in locations other then the current one
* Locally store access points with one bulk upload at a later time
* Connect to networks from analyze screen
* Improved navigation on Google maps
* Additional settings for new functions

Changes as a result of difficulties

* A version for iOS has been pushed back because as of iOS 5, wifi scanning is not allowed.
* Many of the work reserved for version 2 were pushed back from version 1 due to time constraints