

Beacon - Client Side

Slug: A tool to help people find each other and find events happening nearby

Description: A user can broadcast his location and activity of interest to a selection of friends or share via Facebook / Twitter. Friends who get the notification have the option to opt in the beacon or opt out. More participants equates to a larger and more pronounced beacon on a map showing nearby beacons.

App SDK: Phonegap (to be determined)

App Platform Rollout: iOS, Android, Windows Phone

Useful Libraries and Sources:

1. [FlowType.JS](#) : Dynamically change font size with the div container size
2. [Sidr](#) : A JS library for creating side menus
3. [ListJS](#) : A Fast javascript library to sort and search lists
4. [Toolbar](#) : A JS library for toolbar functionality
5. [HookJS](#) : Pull to refresh
6. [Annyang](#) : Voice Recognition / Control

App Development Stepping Stones:

- [] - Hello World App
Display a simple line and make sure everything is configured properly
- [] - Geo-location
Make a central button that when pressed gets the user's LAT and LON and displays it on a new page
- [] - Map Overlay
Modify the button functionality so that in addition to writing out the LAT and LON it also plots it on a map.
- [] - Create the Beacon
Modify the button functionality so that before the transition to the map page, you create and store (locally for now) an object (JSON) with the following fields

Field	Type	Description
date_created	DateTime	Time stamp of creation
location	Geocode	Lat/Lon
category	String	See category table below
msg	String	Custom message (160 chars)

contacts	Array [Strings]	List of contacts (dummy)
duration	DateTime	How long the beacon lasts
magnitude	Integer (Scaled from 0 - 100)	This needs to be discussed

CATEGORIES = [Social, Study, Exercise, Work, Help]

[] - List Beacons

Add a new page that displays a list of beacons

[] - Map Beacon

Vary the size of the beacon on the map depending on the magnitude field

[] - Edit Functionality

On list of beacons page, allow user to swipe left to delete beacon

[] - Timed Delete

When beacon duration expires delete beacon automatically