
GALVANIZE



Q1 Project Planning: **ClimaPark**

Prepared for: Craig Quincy

Prepared by: Nicolas Roldos

February 24, 2017

Proposal number: 123-4567

GALVANIZE

EXECUTIVE SUMMARY

Objective

Create a parking web application that combines current weather data with available parking data and suggests the best places to park based three parameters: your destination, available parking, current weather conditions.

Goals

Pull from two api's: api.darksky.net api.parkwhiz.com/search/ GET (for both)

Uses base-map and routing api: to display resulting parking garage data (as visual map pins) allows user to get directions from their current location. Two main options: MapBox Api, GoogleMaps Api

Solution

Web based app that shows top 5 available and ideal parking garage locations based on destination, current weather conditions and garage availability. User input required includes current location, inferred through base map Api, and destination address. Provide routing from users current location to selected parking garage through base mapping Api.

Project Outline

Create skeleton html with: an address field input, map with current-location and routing capabilities, javascript files to create GET requests, massage data, handle errors and add resulting Api data to the map on front-end. Style page with materialize css. Test, get approval and present in front of peers, colleagues and instructors.

- step1 UI: enter destination
 - step2: behind the scenes API GET request(s)
 - **lat, long** is input into GET request for api.darksky.net
 - based on **current** weather conditions some **parameters** are set and **destination lat, long** are also set for GET request to parkwhiz/developers
 - **parkwhiz** API will return: best parking available near user-input destination; based on parameters set by current weather (returned by api.darksky.net), availability (i.e. 20/250) and price (\$)
 - **Return visually represented as points on map**
-

GALVANIZE

SAMPLE WIREFRAME:

