ParkZone - Web Application

Created By:
Ramy Magdy, Michael Medina, & Mark Lindo

Outline:

- Abstract
    - Overview of the application and overview of goals
- Main Body (Not necessarily in this order)
    - Database
        - Gathering the data
        - GeoJson (plotting the points)
        - Drawing for the database to plot points
        - Etc.
    - Map Interface
        - Animations
        - Markers
        - Design elements
        - Site UI
        - Etc.
    - Query Functions
        - Plotting points based on proximity
        - Limiting search based on parameters
        - Etc.
- Conclusion
    - Final words

Abstract:

Determining proximity of a user's location to other predetermined objects and returning those objects based on distance utilizes three main ideas. First is determining the user's geo coordinate location, second is to determine the geo coordinate location of all objects being referenced, and finally returning all objects that fall within specified parameters of the query. Using these ideas, ParkZone is an application that given a location will query a database of geo coordinates and return all the parking garages within a specified radius of the location. In addition to that, based on the same radius, a second database will be queried and all of the parking signs will be returned, detailing where on the road parking may or may not be available. The goal is to create a simple to use application that displays a visual and interactive way to relay database based information to a user.