

Problem

- The BreazeHome web application gives home buyers, home sellers, and real estate agents a platform to sell and buy homes.
- One of the most important factors in purchasing a home is knowing what is around its location.
- There was no intuitive way to browse for neighborhood details such as amenities, schools, crimes, or hazards.

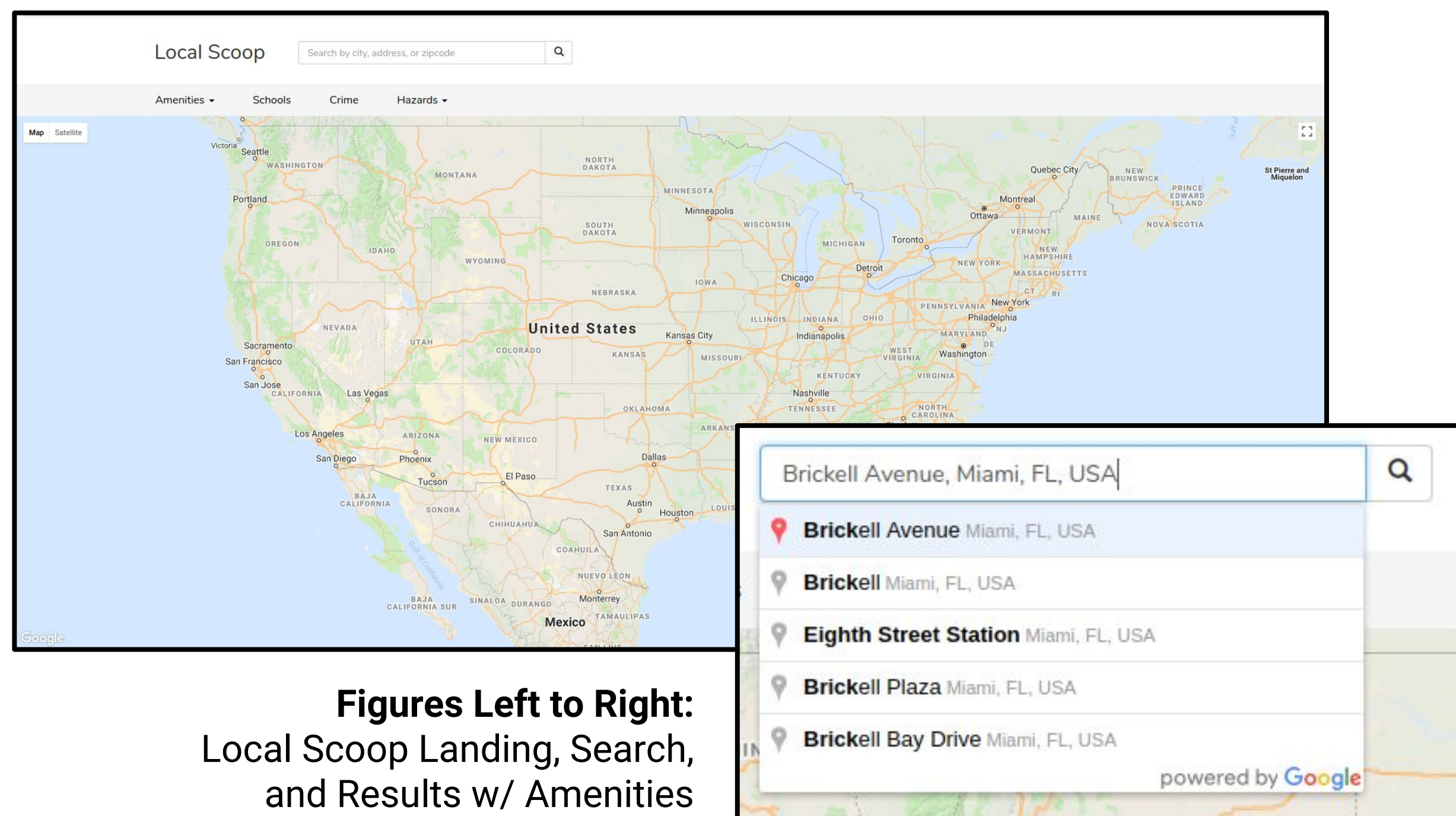
Solution

- Create a user-friendly and intuitive page where users can browse and compare locations they are interested in.
- Implement a map where users can drag and view local amenities, schools, crimes, and hazards.
- Provide search functionality so a user can quickly navigate to a location by an address, city, neighborhood, or zip-code.

Current System

- Neighborhood details was hidden within the property results page amongst loads of other information.
- Design was unintuitive with many features being buried within different submenus.
- There was no way to search for information on a location as it was all bound to the property results.

Screenshots



Figures Left to Right:
Local Scoop Landing, Search,
and Results w/ Amenities

Summary

- This project sought to implement an intuitive way to browse a property location.
- I was tasked with creating the Local Scoop page, integrating the Google Maps and Google Places API to the project, adding the search functionality, and designing the overall look and feel of the page.
- I aimed to facilitate the integration of the extended functionality provided by my wonderful team members.

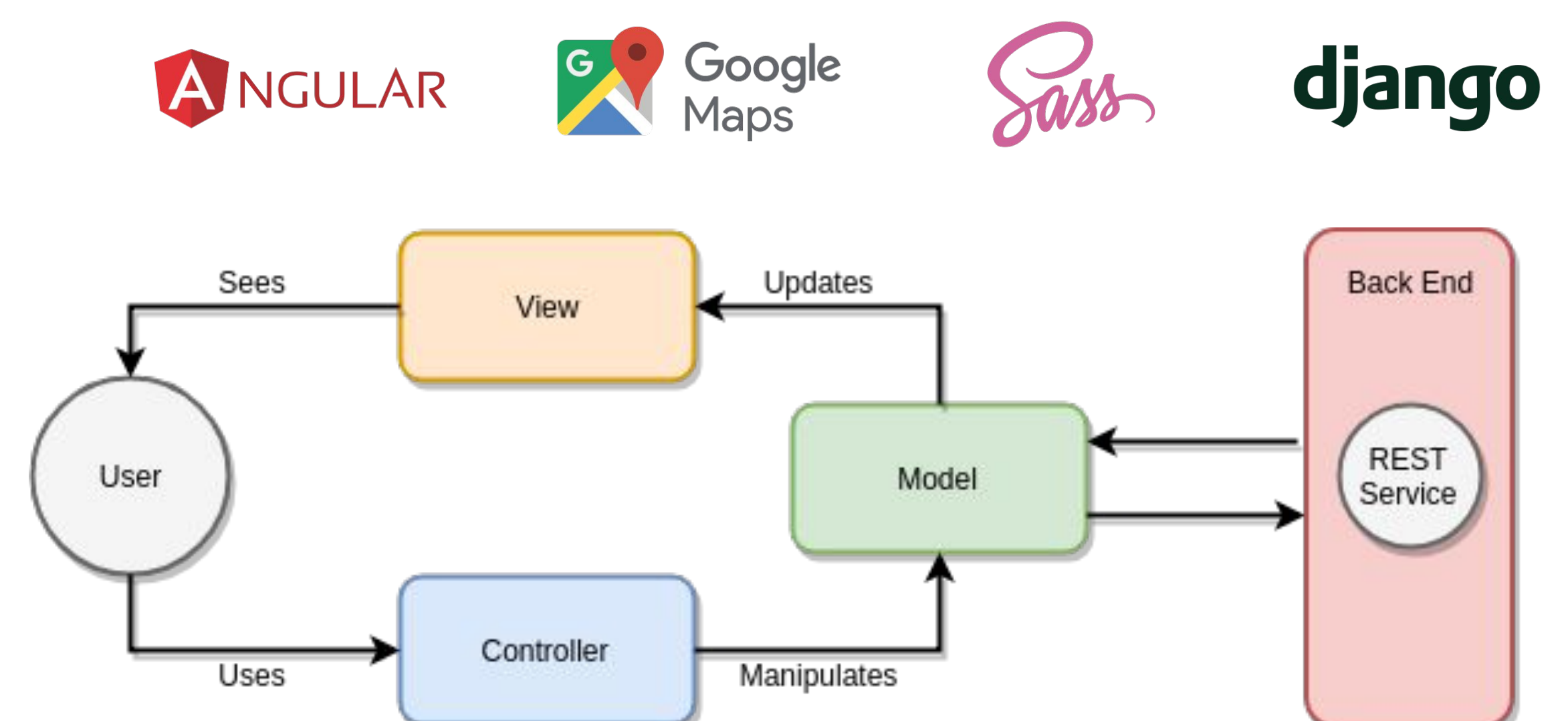
System Design & Implementation

Front End:
AngularJS, NodeJS, Bootstrap,
Google Maps API, HTML, Sass

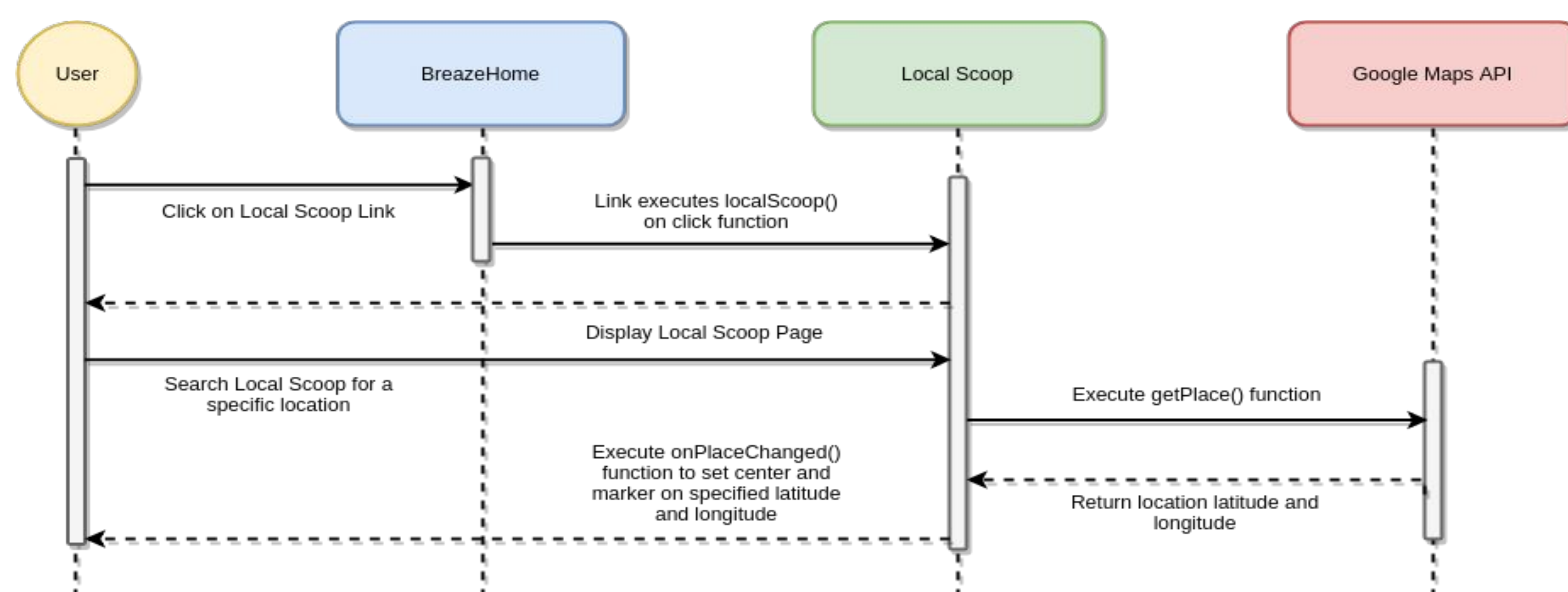
Back End:
Django REST, Python

Database:
PostgreSQL

Version Control:
Git (Gogs)



Object Design



Requirements

- The page must be easily navigated to from the home page.
- The page must have a simple yet functional design.
- The page must allow for quick navigation to a desired location.
- The page must show and hide relevant information regarding nearby amenities, schools, crimes, or hazards.

The material presented in this poster is based upon the work supported by Dr. Masoud Sadjadi. I am thankful for the support of my mentor Dr. Masoud Sadjadi, and my team members Uchenna Ohaeto, Richard Jimenez, Frank Segui, and Jose Perez which whom without, none of this would have been possible.