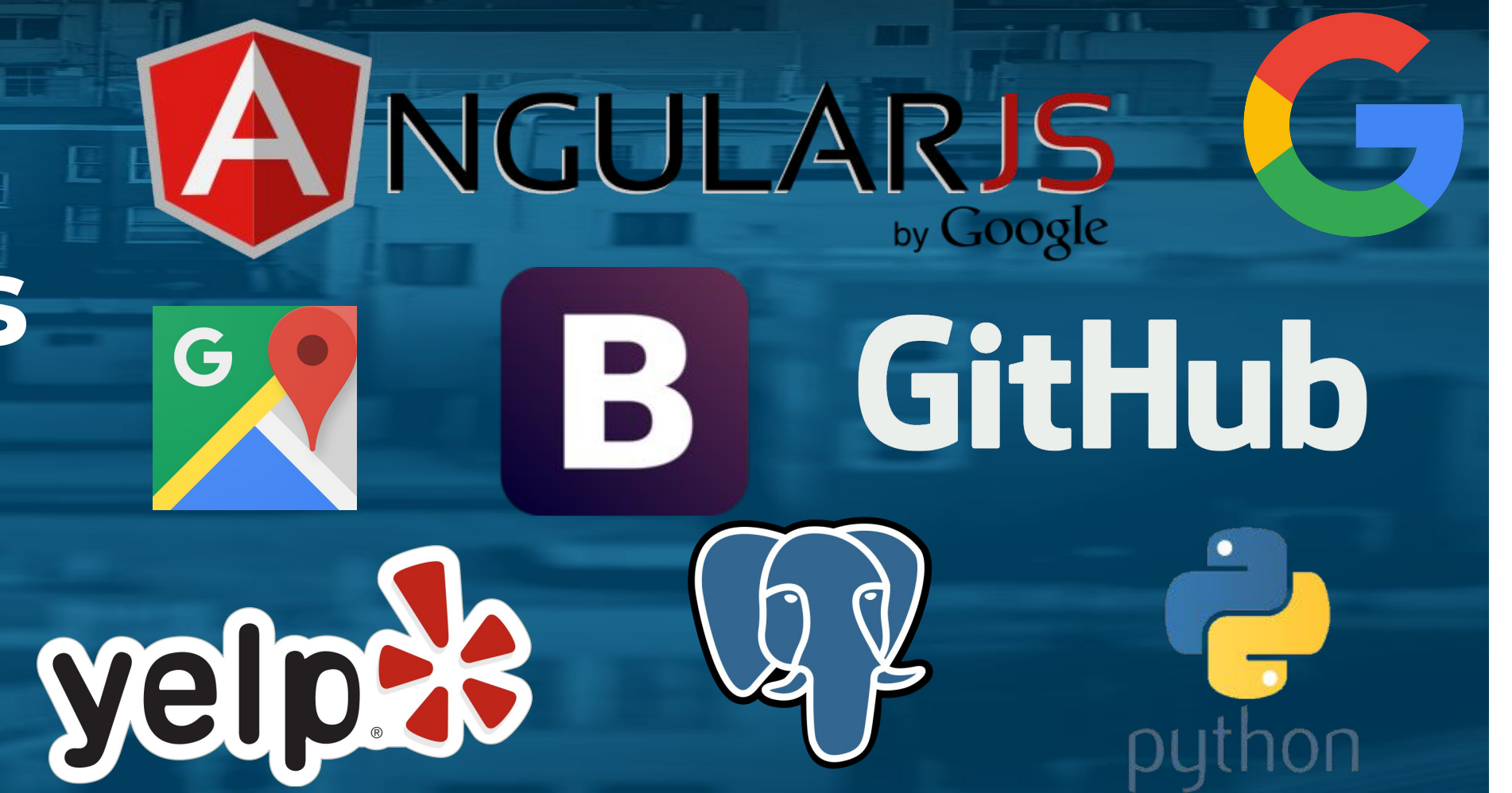




Problem

- **BreazeHome** is an academic project led by Dr. Masoud Sadjadi with the purpose of use for the FIU SCIS Senior Project Class
- **BreazeHome** offers a means to view amenities near a selected property, however, the data is not reliable.
- Additionally, there is no way for a user to search for and identify a desired neighborhood based on local amenities.

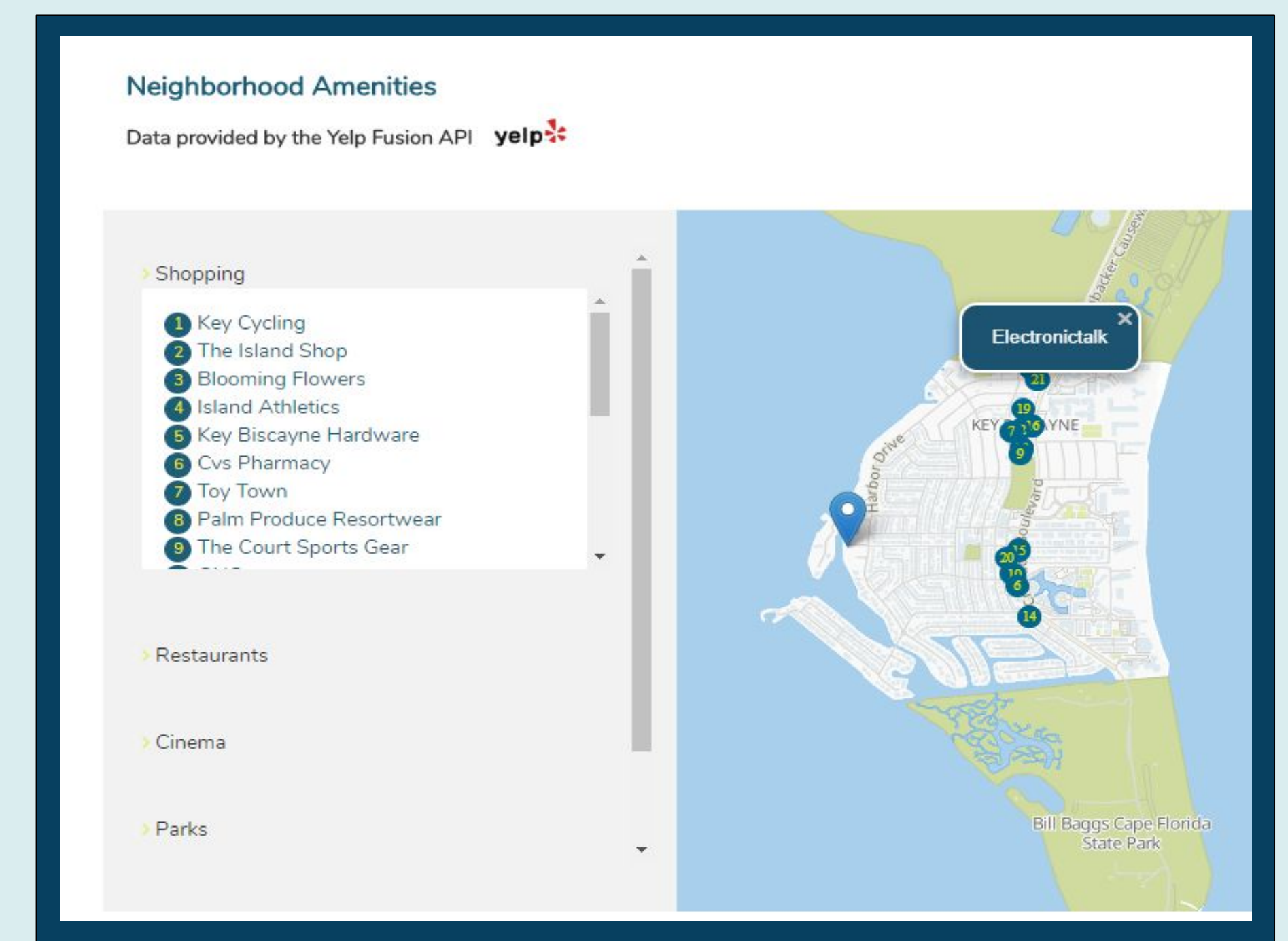
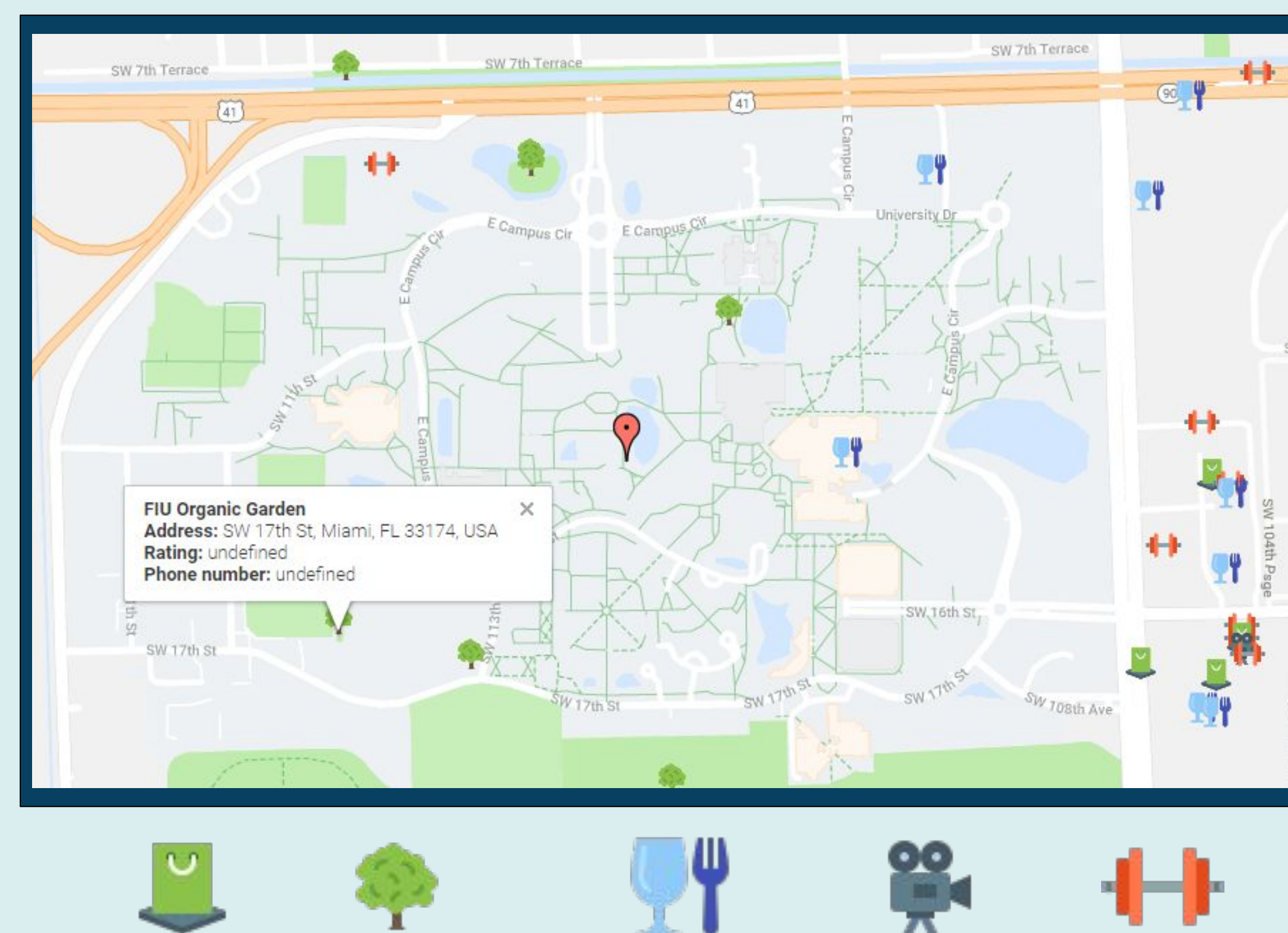
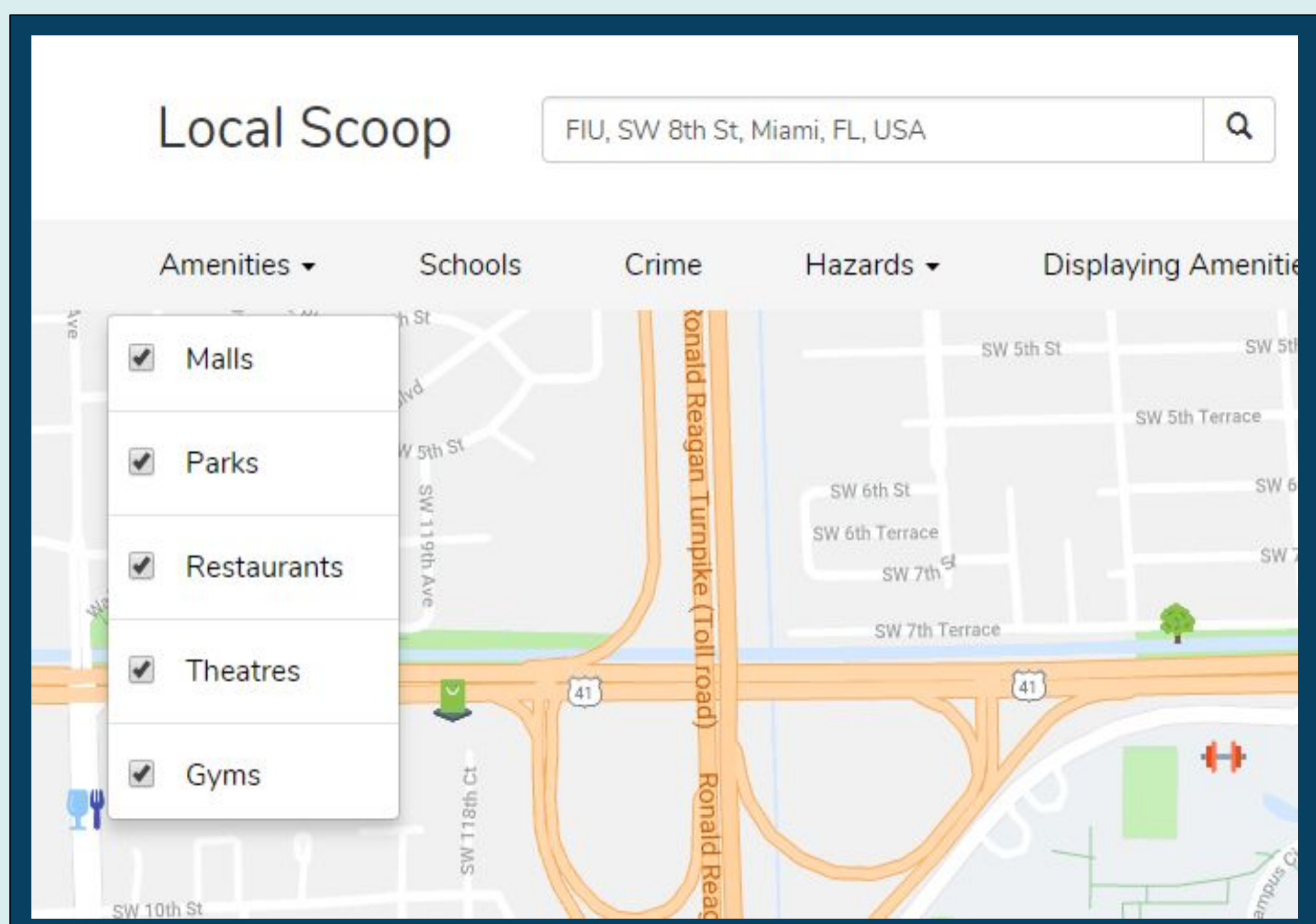
Solution

- Create a page with the purpose of browsing areas on a map using address data ranging from city to street address.
- Provide a simple and intuitive way for users to hide/show amenities on the map
- Display simple information concerning a selected amenity on the map (Address, Rating and phone Number

Current System

- Partitions part of the results page to display amenities
- Lengthy list of irrelevant/rare amenities are listed.
- Amenity categories with no results are displayed.
- The current system does not provide means to search for a desired neighborhood area on a map

Screenshots



Requirements

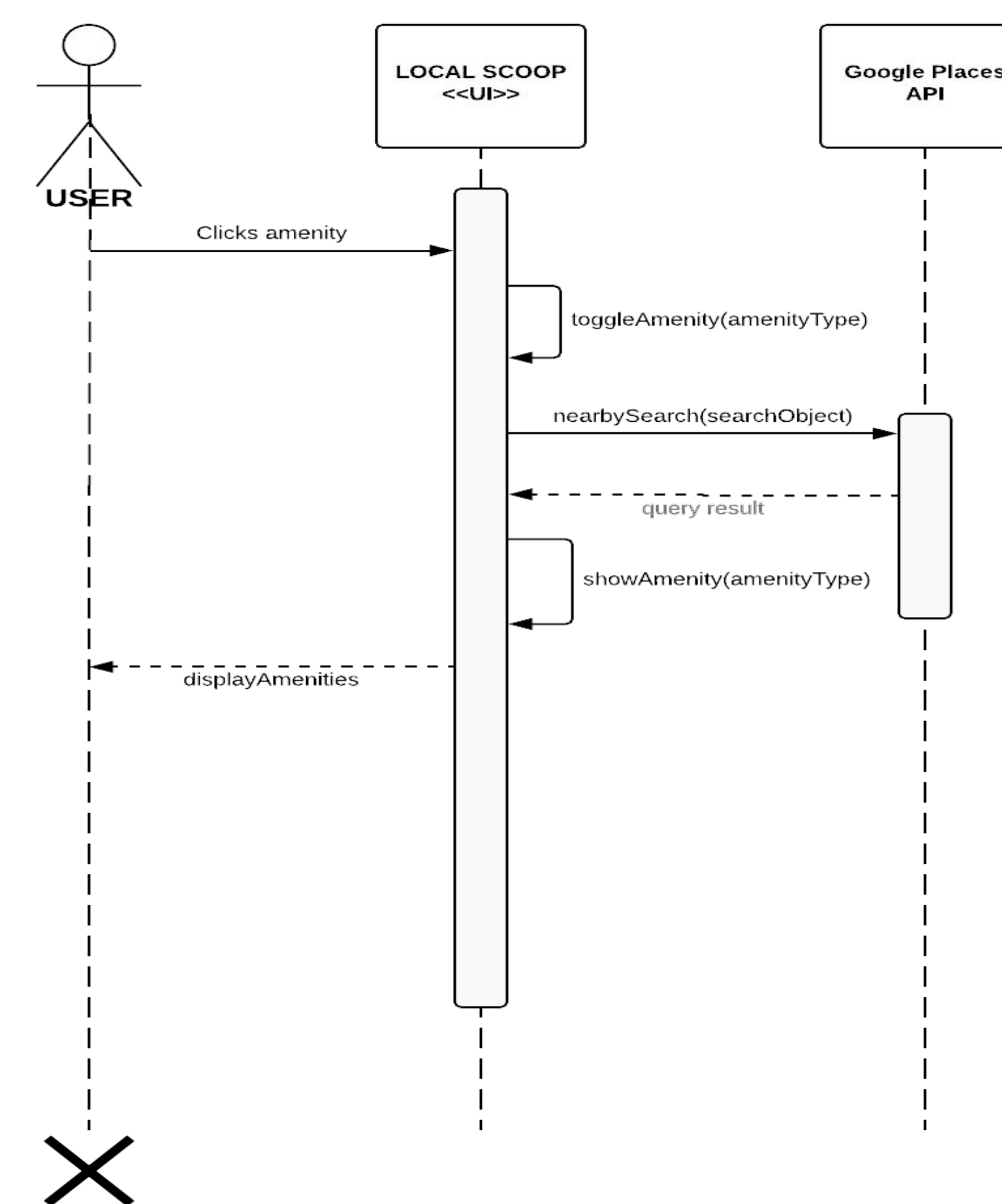
On the property details page:

- The amenities section must follow the Yelp Fusion API Display Rules and display the Yelp logo.
- The amenities section must list a manageable amount of amenities along with valid results.

On the Local Scoop Page:

- View control of amenities on the map must be provided for each amenity type.
- Updates to the view of the map must occur in real-time.
- Each amenity type should have a unique map icon
- As a user drags the map, the view of map must be updated with corresponding amenities results
- If a user clicks on an amenity icon, information about the amenity should be clearly displayed.

System Design



Summary

- Amenities section of property details page is more responsive no longer overwhelms the user with a complete list of all amenity types available
- Amenities section of property page now clearly states the use of the Yelp Fusion API to retrieve data.
- Amenities dropdown on the Local Scoop page is quick and responsive. Icons for each amenity are also provided on the map.
- As a user drags the map on the Local Scoop page, selected amenity types are rendered on the map based on location.

Verification

- **Test ID:** local_scoop_show_amnty_01
- **Test Summary:** When an amenity is checked, API is called and selected amenities lists are populated with locations.
- **Precondition:** Request to API made with coordinates
- **Expected Result:** Amenities marker lists are populated with query results.

Implementation

- Frontend: AngularJS, Bootstrap, HTML5, CSS3
- Backend: Python 3, Django
- Database: PostgreSQL
- Version Control: Git
- OS: Mac OS Sierra