

Problem

- The Breazehome web application gives home buyers, home sellers, and real estate agents a platform to sell and buy homes. However schools is currently not a determining factor when purchasing or selling a home.

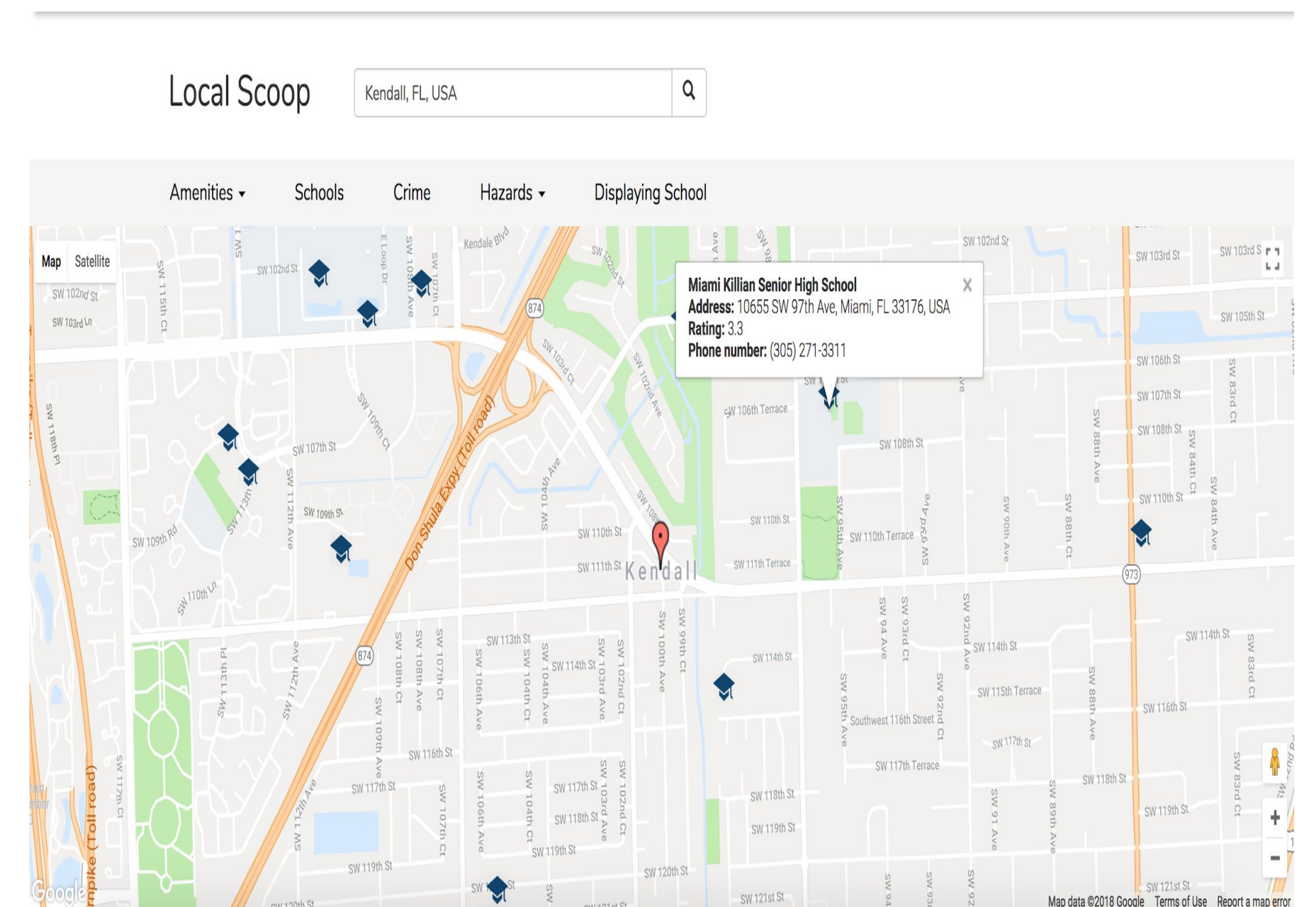
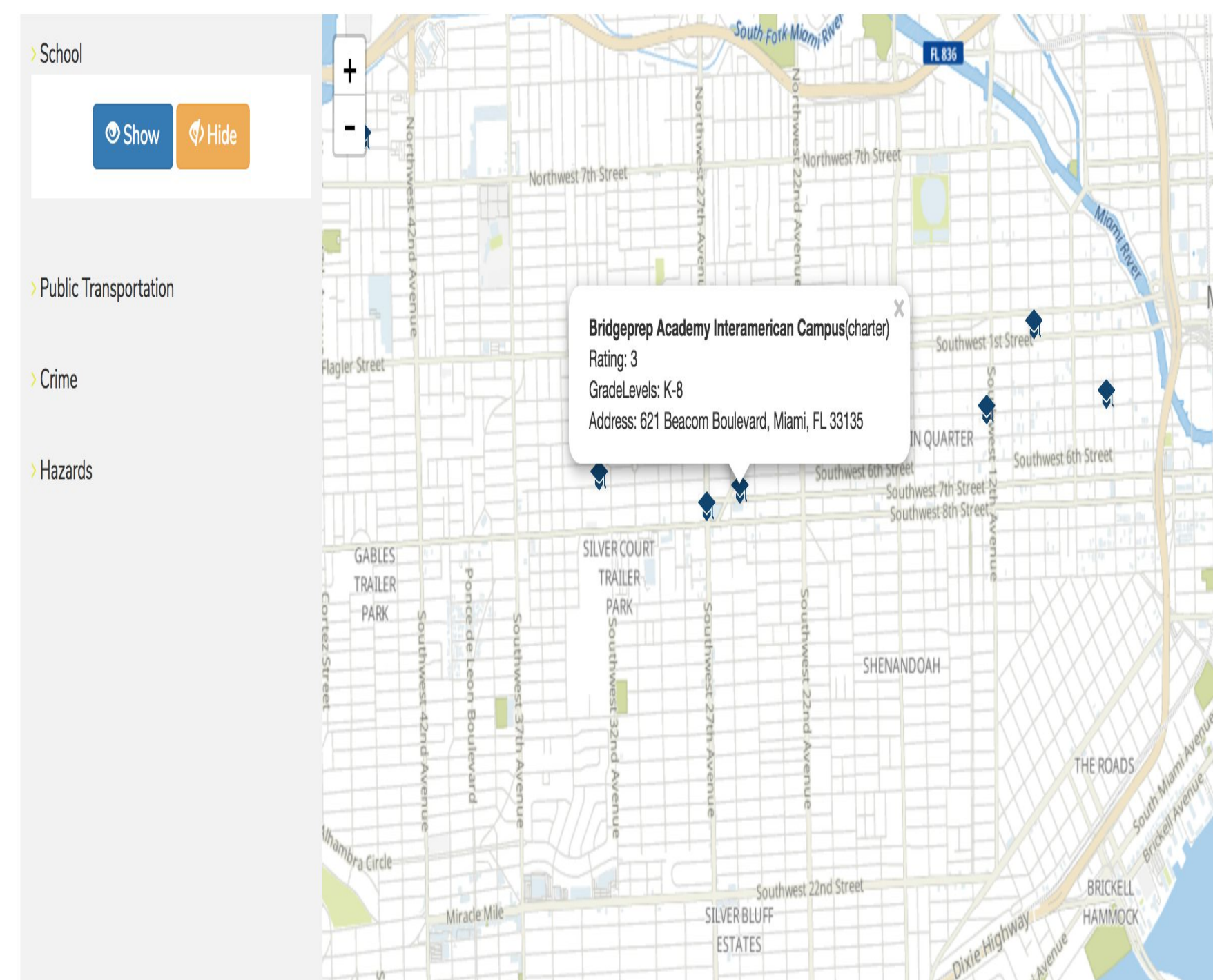
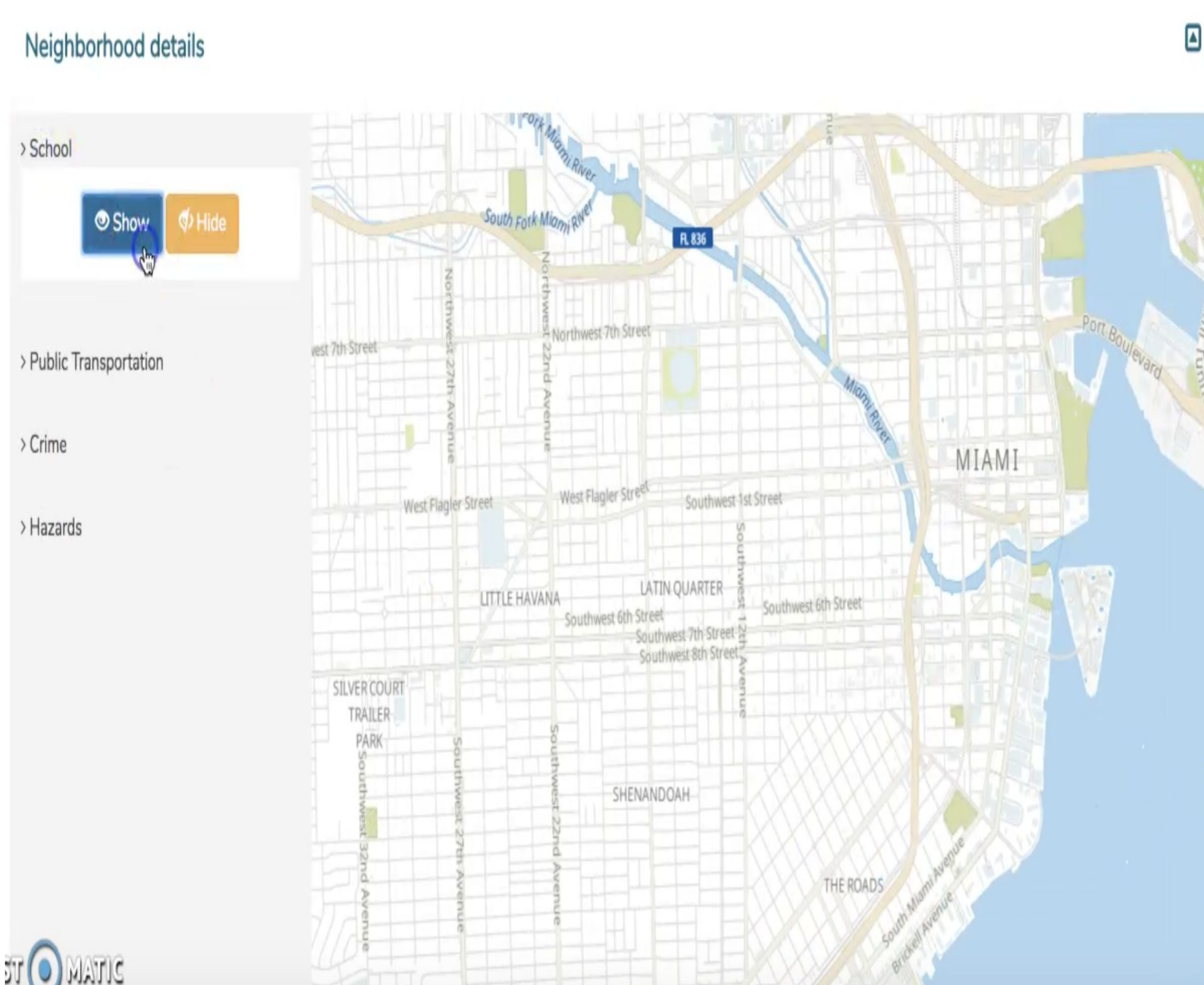
Solution

- Our solution was to include a local scoop page highlighting the neighborhoods important organizations, such as schools.

Current System

- Currently Breazehome has no information about schools to lure in home buyers.

Basic Sequence Diagram (6).png



Requirements

- Must display schools on neighborhood details when show is clicked.
- Must display schools on map when school tab is clicked within local scoop page.
- Must display school name, rating, address and phone number on each schools information window.

Implementation

System Design and Implementation

Front-End: AngularJS, HTML, CSS, Javascript, Bootstrap, Google Maps API

Back-End: Django REST

Database: PostgreSQL

Operating System: Ubuntu Linux

Version Control: Git



System Design

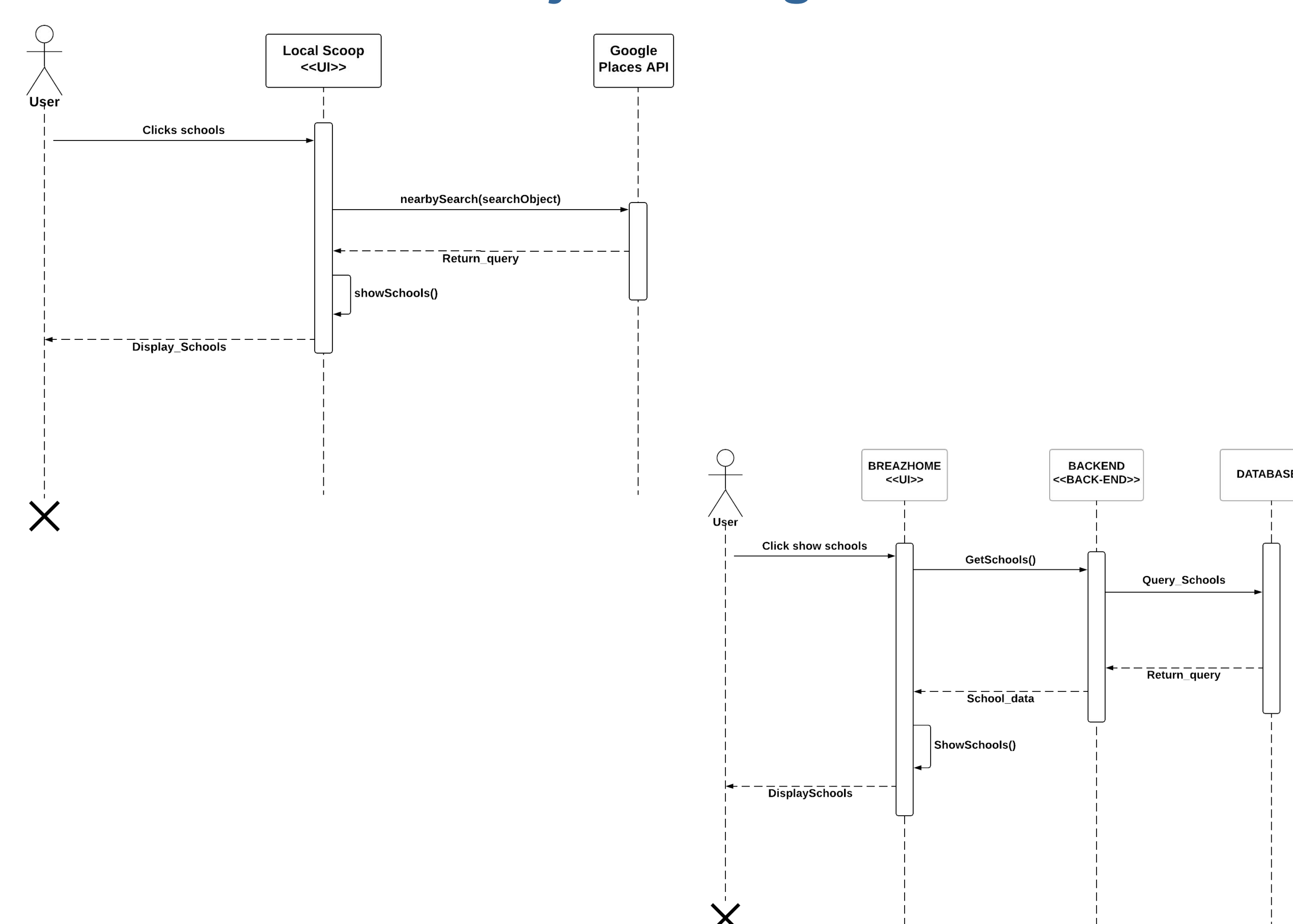
Presentation Tier	Delivery Tier	Data Aggregation Tier	Fundamental Data Tier
BreazeHome Mobile Application	BreazeHome REST interface API Services	BreazeHome CRUD interface Services	BreazeHome Database
BreazeHome Mobile Website	Chat API	Data feeding system	3rd party Dataset
BreazeHome Desktop Website	3rd Party API		

Verification

Test Case ID:	Neighborhood_details_show_school_001
Purpose:	To test that schools are shown on neighborhood detail tab.
Precondition:	1. User is on desktop 2. User has internet connection 3. User navigates to www.breazehome.com
Input:	1. User enters location on search bar 2. User checks desired house neighbor detail tab 3. User clicks show on school tab
Expected Output:	Schools are shown on map.

Test Case ID:	Localscoop_show_school_001
Purpose:	To test that school are shown on local scoop page
Precondition:	1. User is on desktop 2. User has internet connection 3. User navigates to www.breazehome.com
Input:	1. User clicks on local scoop tab on navigation bar. 2. User enters desired location on search bar. 3. User clicks on school tab.
Expected Output:	Nearby schools are shown on map.

Object Design



Summary

- Users can use the application for nearby properties and be able to search for nearby by schools and its information such as rating and its address and phone number on a nation wide scale.