Problem
The BreazeHome web application gives home buyers, home sellers, and real estate agents a platform to sell and buy homes. However users do not have the ability to view and inspect the neighborhood amenities surrounding their property of interest.

Solution
• Utilize the longitude and latitude coordinates of the property of interest and search for nearby amenities using the YelpFusion API.
• Amenities can then be displayed in both list form and on a map of the neighborhood.

Current System
• Current system does not have a neighborhood amenities feature implemented.

Requirements
• Must display amenities nearby the property to the user.
• Must allow user the ability to distinguish how far an amenity is from the property.
• Must allow user the ability to select between the various types of amenities

Implementation
• Database: PostgreSQL
• Web API: Django Rest Framework
• Desktop frontend: AngularJS, HTML, Bootstrap, SASS

Class Diagrams

Verification
• Automated system tests were conducted through a Selenium webdriver
• Tests included:
  ○ Selection of an amenity category
  ○ Clicking a single amenity
  ○ Clicking multiple amenities
  ○ Display map view of amenities
  ○ Display list view of amenities

Summary
• Platform for listing and buying real estate in the Miami-Dade area.
• Users include: Home Buyers, Home Sellers, and Real Estate Agents
• Users can use the application to search for listings and view relevant information on that property such as price, size, amenities, and neighborhood amenities.

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