

Florida International University
School of Computing and Information Sciences

Software Engineering Focus

Feature Document

User Story: #2796

Search Local Scoop by City, Neighborhood, or Address

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Project: Local Scoop

Product Owner(s): Dr. Masoud Sadjadi

Instructor: Dr. Masoud Sadjadi

USER STORY NUMBER:

#2796

USER STORY TITLE:

SEARCH LOCAL SCOOP BY CITY, NEIGHBORHOOD, OR ADDRESS

Description

- As a user, I would like to search the local scoop page by city, neighborhood, or address so that I can quickly find information about the area I am interested in.

Acceptance Criteria

- User should be able to type a city, an address, or zip-code in a search bar in the local scoop page.
- User should be redirected on the map to the location input in the search bar.
- User should see a marker on the map marking the location that was searched for.

Use Case

Name: Zoom map on “Local Scoop” page

Actor: User

Preconditions: The user must be on the “Local Scoop” page

Description:

Event:

- User zooms in or out of the map

Response:

- Register zoom event on map
- Query map API to get new zoom level on zoom end
- Set map zoom level

Name: Drag map on “Local Scoop” page

Actor: User

Preconditions: The user must be on the “Local Scoop” page

Description:

Event:

- User drags the map

Response:

- Register drag event on map
- Query map API to get new map center drag end
- Set new map center

Name: Search for new location on “Local Scoop” page

Actor: User

Preconditions: The user must be on the “Local Scoop” page

Description:

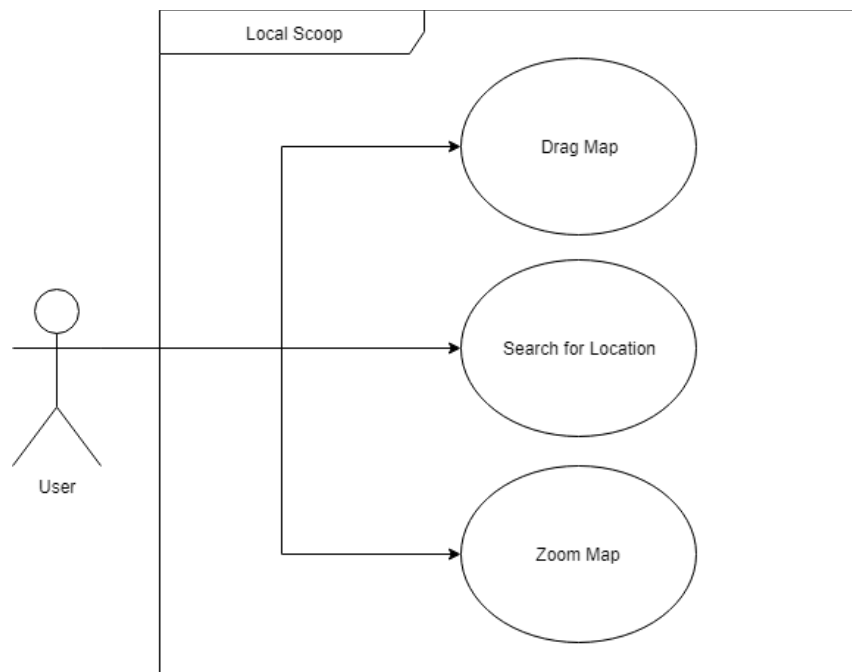
Event:

- User searches for a new location using the search bar

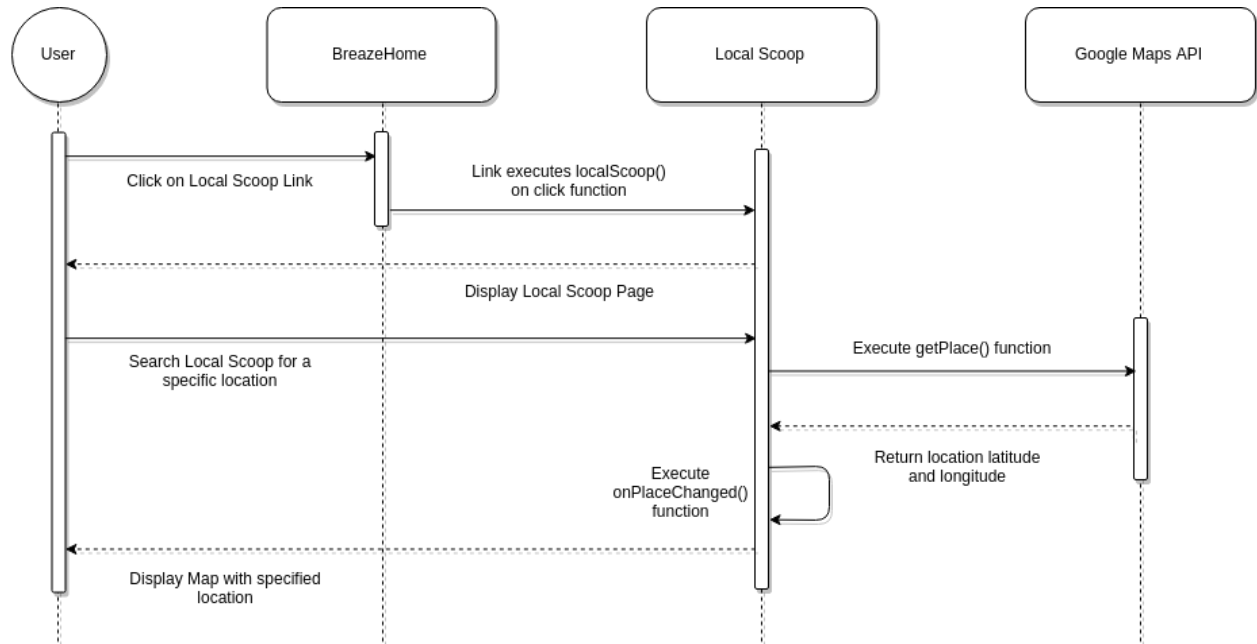
Response:

- Accept user input in the search form
- Execute onPlaceChanged() function
- Query Maps API for latlng of new location
- Set zoom level to 15
- Set map center to returned latlng
- Set map marker on map center

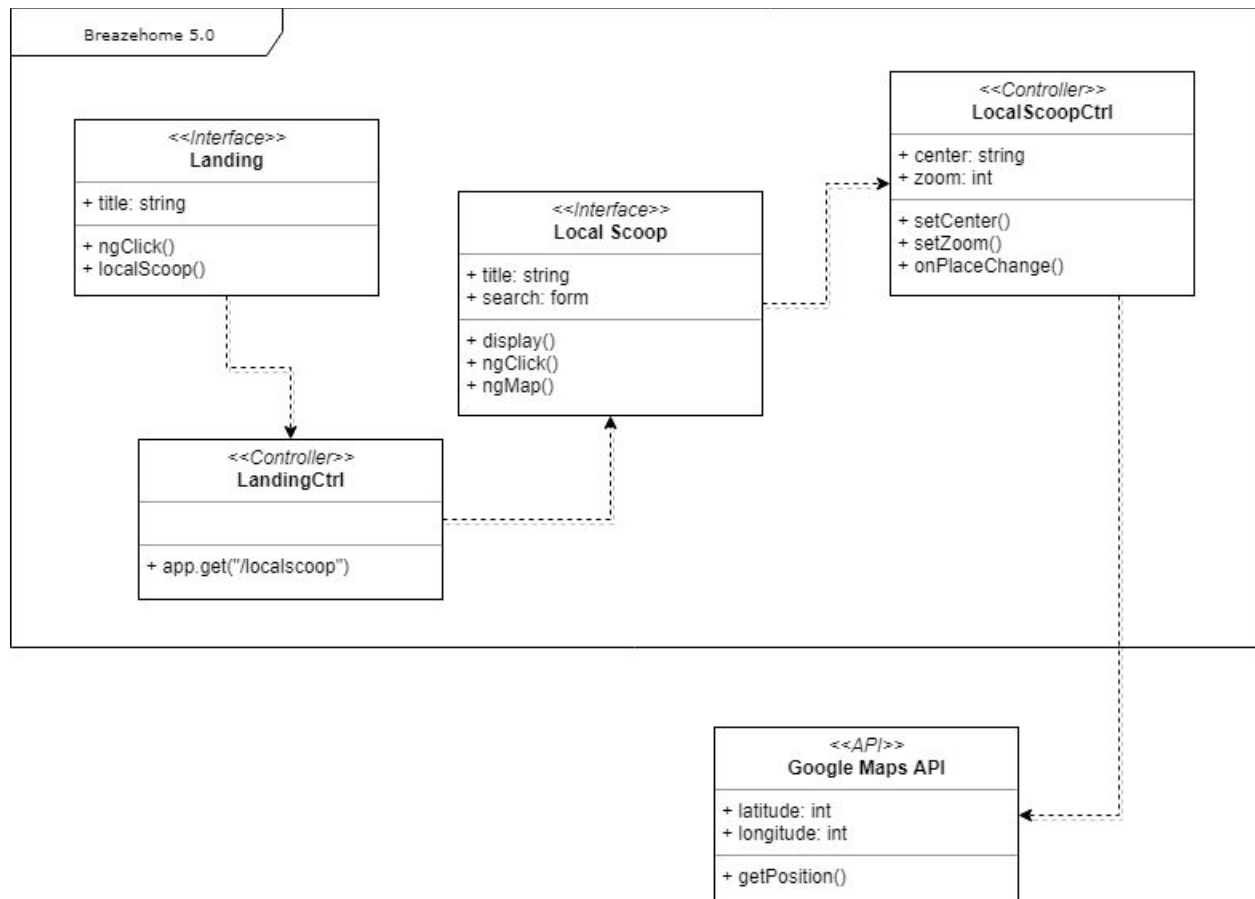
Use Case Diagram



Sequence Diagram



Class Diagram



Unit Test

- **Test case ID:** google_map_api_search_request
- **Description/Summary of Test:** Sends a request to get the latitude and longitude coordinates of a location searched for.
- **Pre-condition:** Must use the search bar on <https://breazehome.com/#/localscoop>
- **Expected Results:** Google Maps should properly return the latitude and longitude coordinates of the location searched in the console.
- **Actual Result:** Google Maps returns the searched latitude and longitude coordinates on the console
- **Status (Fail/Pass):** Pass

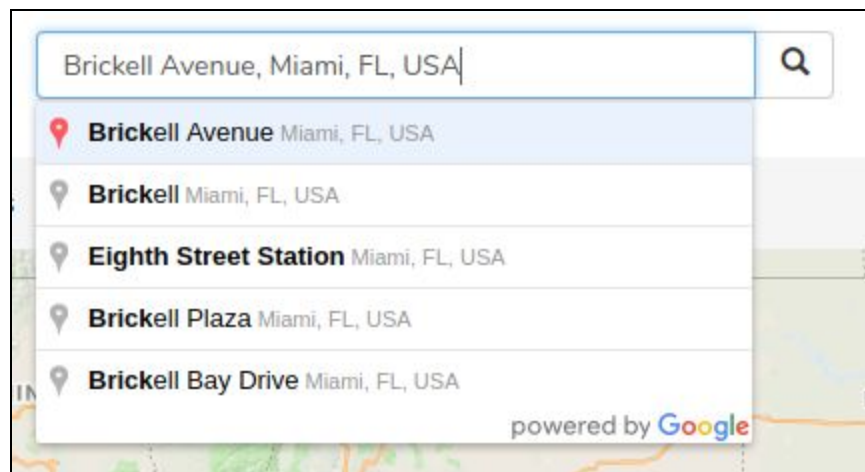
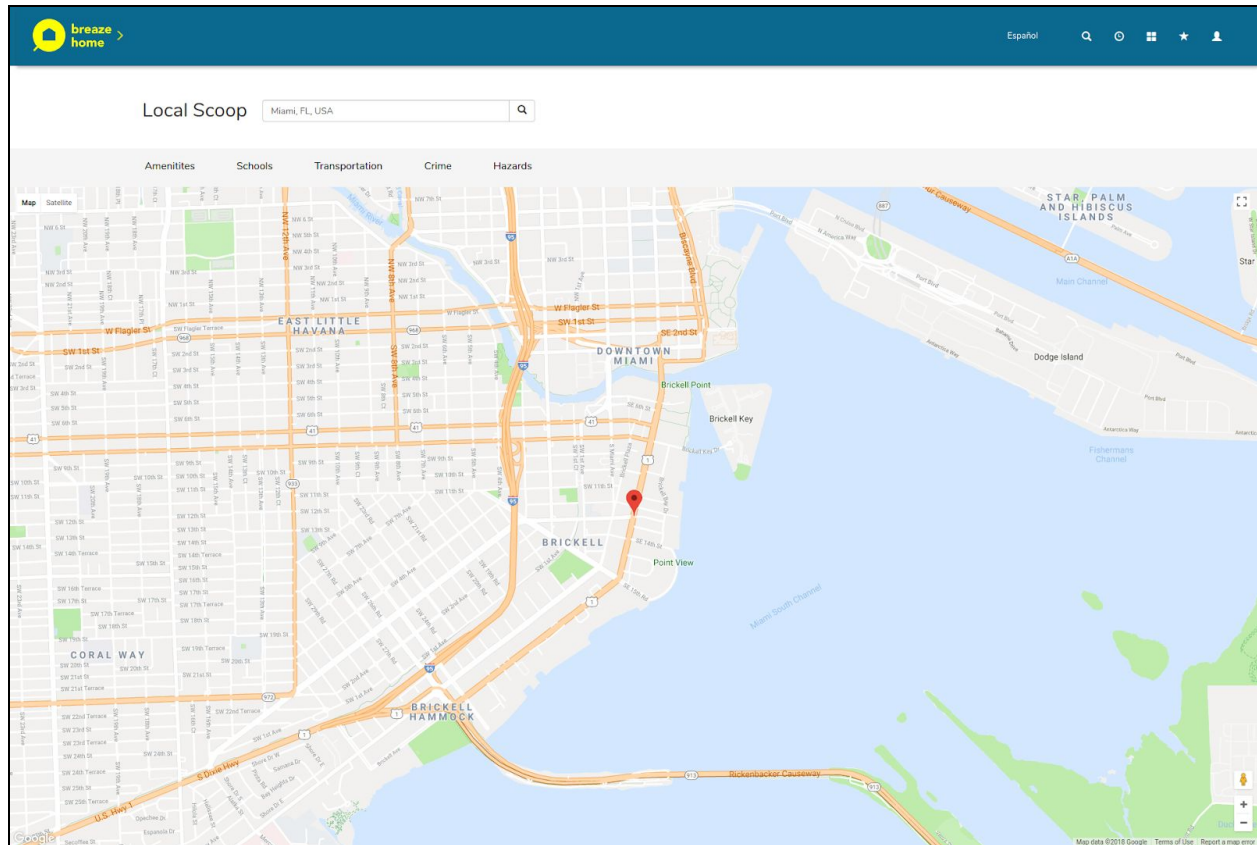
Integration Test

Code is integrated through git in repository:

<https://git.breazehome.com/oarno004/breaze-desktop>

The screenshot shows a GitHub pull request interface for the repository 'Breaze / breaze-desktop'. At the top, there are buttons for 'Watch' (18), 'Star' (1), and 'Fork' (45). Below these are tabs for 'Files', 'Issues' (29), 'Pull Requests' (0), and 'Wiki'. A green button labeled 'New Pull Request' is on the right. The main title of the pull request is '#116 User Story #2796 - Search Local Scoop by City, Neighborhood, or Address', with an 'Edit' button next to it. Below the title, it says 'Merged' and 'sadjadi merged 11 commits from oarno004/master into Breaze/master 2 weeks ago'. There are tabs for 'Conversation' (0), 'Commits' (11), and 'Files changed' (9). The main content area shows a comment from 'oarno004' made 2 weeks ago, stating: 'Implements the search bar functionality to the Local Scoop page allowing for the user to search for any location within the map.' Below the text is a screenshot of a Google Map. To the right of the comment is a sidebar with settings for 'Labels' (No Label), 'Milestone' (No Milestone), 'Assignee' (No assignee), and '1 Participant' (with a profile picture). At the bottom, a message says 'This pull request has been merged successfully!'.

Visual User Guide



Video Demonstration Link: <https://www.youtube.com/watch?v=6iti4XwAGp4&t=353s>