

Florida International University
School of Computing and Information Sciences

Software Engineering Focus

Feature Document

User Story: #2847
Create Map for Local Scoop Page

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Project: Local Scoop

Product Owner(s): Dr. Masoud Sadjadi

Instructor: Dr. Masoud Sadjadi

USER STORY NUMBER:

#2847

USER STORY TITLE:

CREATE MAP FOR LOCAL SCOOP PAGE

Description

- As a user, I should see a detailed map in the Local Scoop page containing important information regarding the area so that I can make an informed decision on whether to purchase or rent a property there.

Acceptance Criteria

- The map must be scalable and can be resized to fit the page.
- The map must be able to zoom in and out of any location.
- The map must contain a clear and visible marker to distinguish the current location.

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:

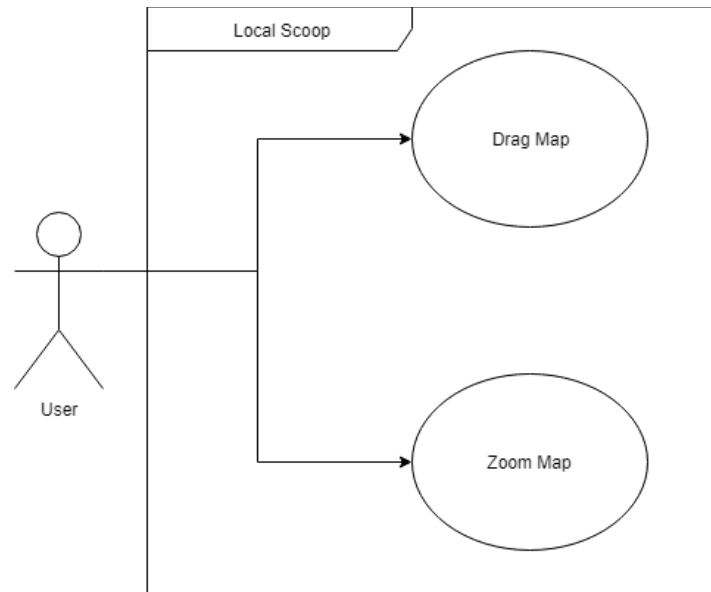
Event:

- User drags the map

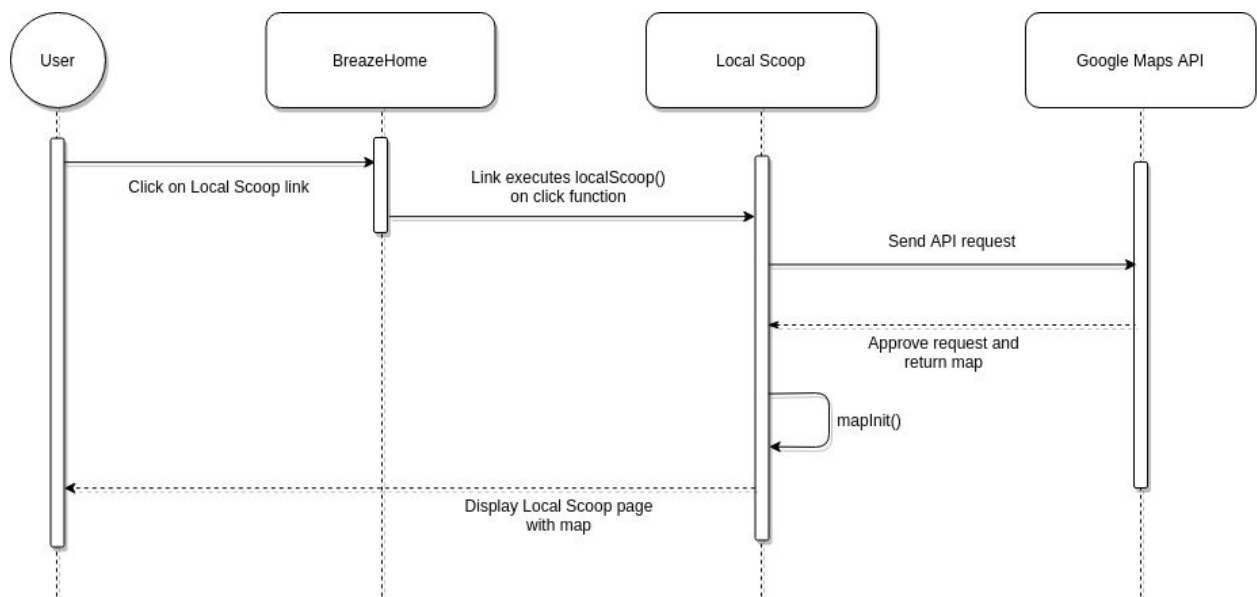
Response:

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

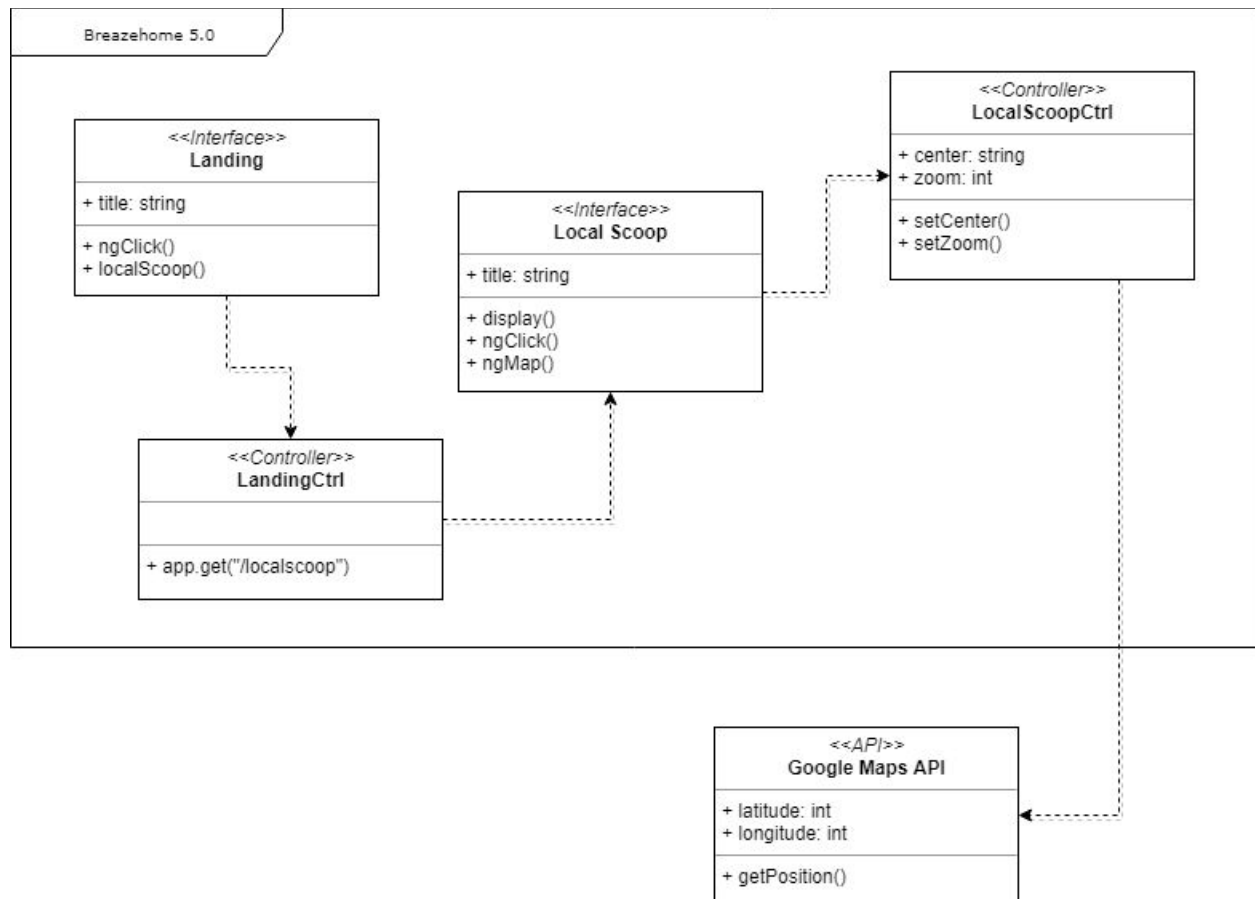
Use Case Diagram



Sequence Diagram



Class Diagram



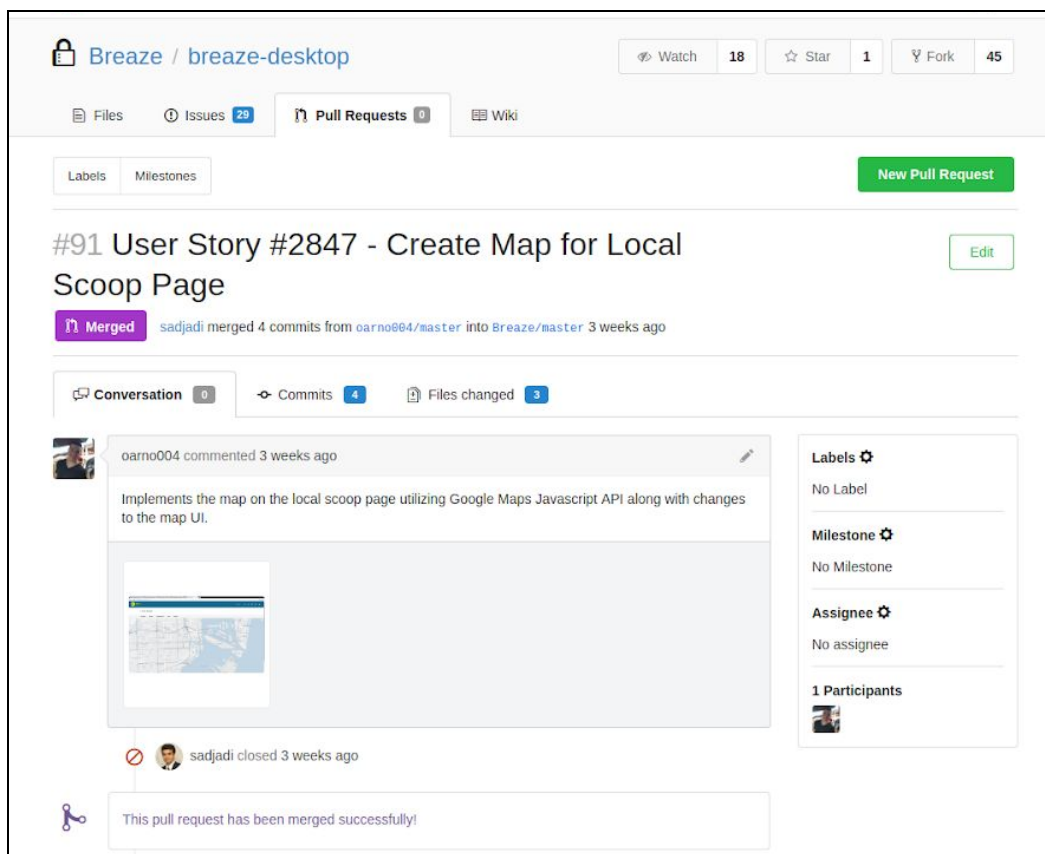
Unit Test

- **Test case ID:** google_map_api_valid_request
- **Description/Summary of Test:** Sends a request to validate the api key and display the integrated google map
- **Pre-condition:** Must be on <https://breazehome.com/#/localscoop>
- **Expected Results:** Google Maps should be properly displayed and all of its features should be usable.
- **Actual Result:** Google Maps was properly displayed and all of its features were usable.
- **Status (Fail/Pass):** Pass

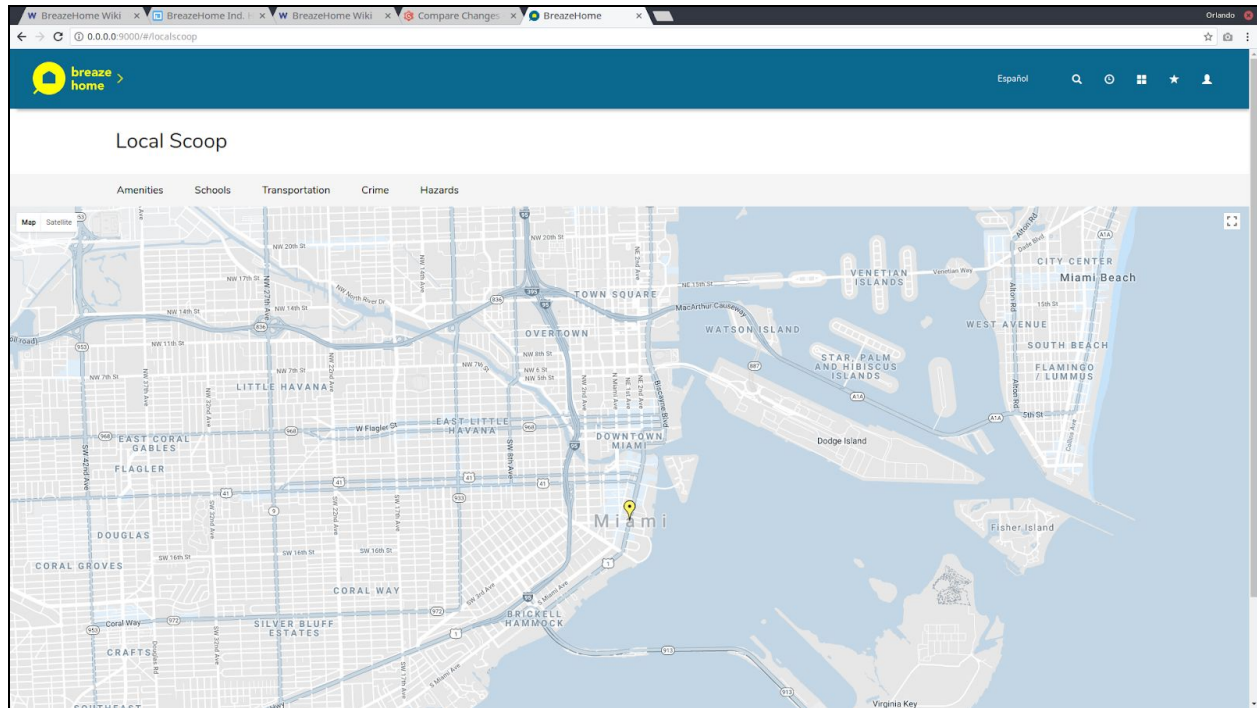
Integration Test

Code is integrated through git in repository:

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



Visual User Guide



Video Demonstration Link: https://www.youtube.com/watch?v=svuf_2y5bnE&t=526s