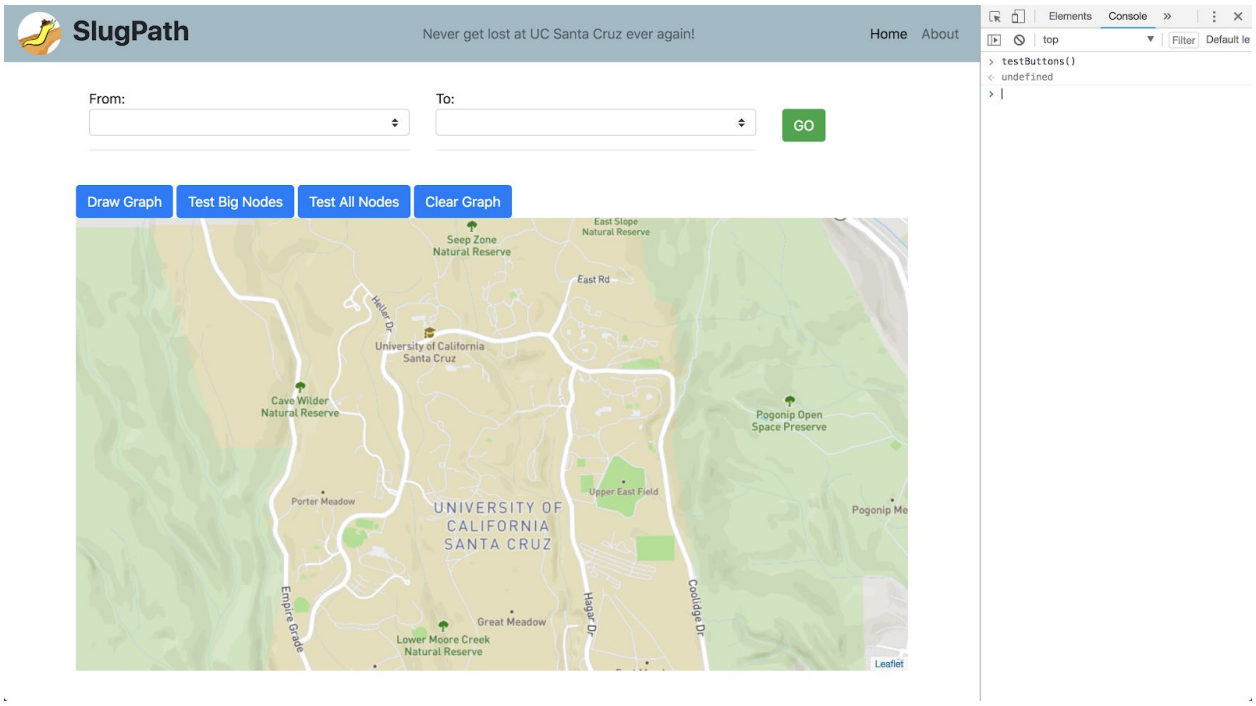
Software Quality Assurance Report

Team Slugstras
Release Name: SlugPath v1.0.0
Release Date: 03/22/18
Revision 1.1 (03/11/18)

[Usage]:
To allow ease of testing functionality, type the following command into the browser's console:

```
testButtons()
```

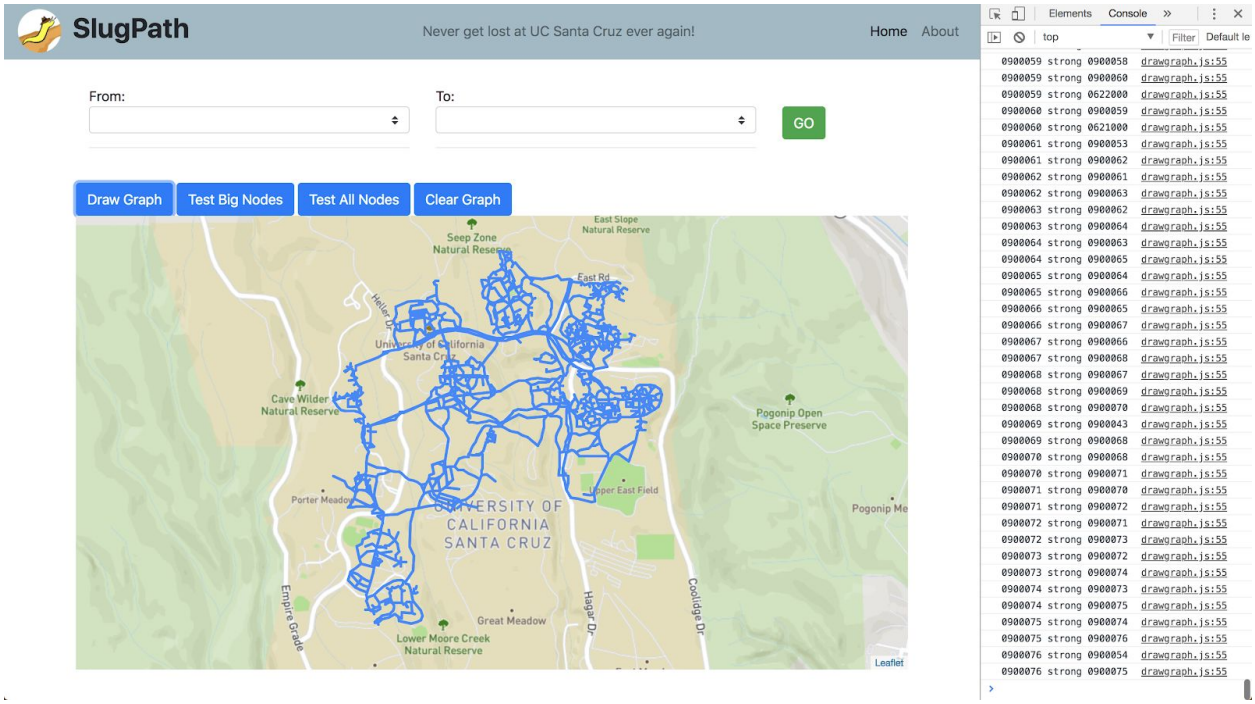
This allows all the hidden buttons to show with all the test scripts, and the following test outputs should show on console/UI.



[Test Script 1]:

`drawGraph()`

This script allows for testing and debugging, visually showing all connected nodes, as well as showing weak, strong, and duplicated edges in the console as well.



[Test Script 2]:

```
testBigNodes()
```

This test script tests for all validation of each big node connection. Checking that there is at least one path for each and every drop down selection. This script's runtime is $O(n^2)$. It selects one dropdown from the [From] selection, and outputs each path for ever [To] selection under console. Once the script is finished, it displays:

```
full, [#of paths on campus]
```

Test should finish ~4 minutes

[Test Script 3]:

```
testNodes()
```

This test script tests for all validation of each ALL node connection. This script's runtime is $O(n^2)$. It goes down location.js and validates that each node can connect to ANY node.

DISCLAIMER: This test requires minimum of 2 hours to complete.