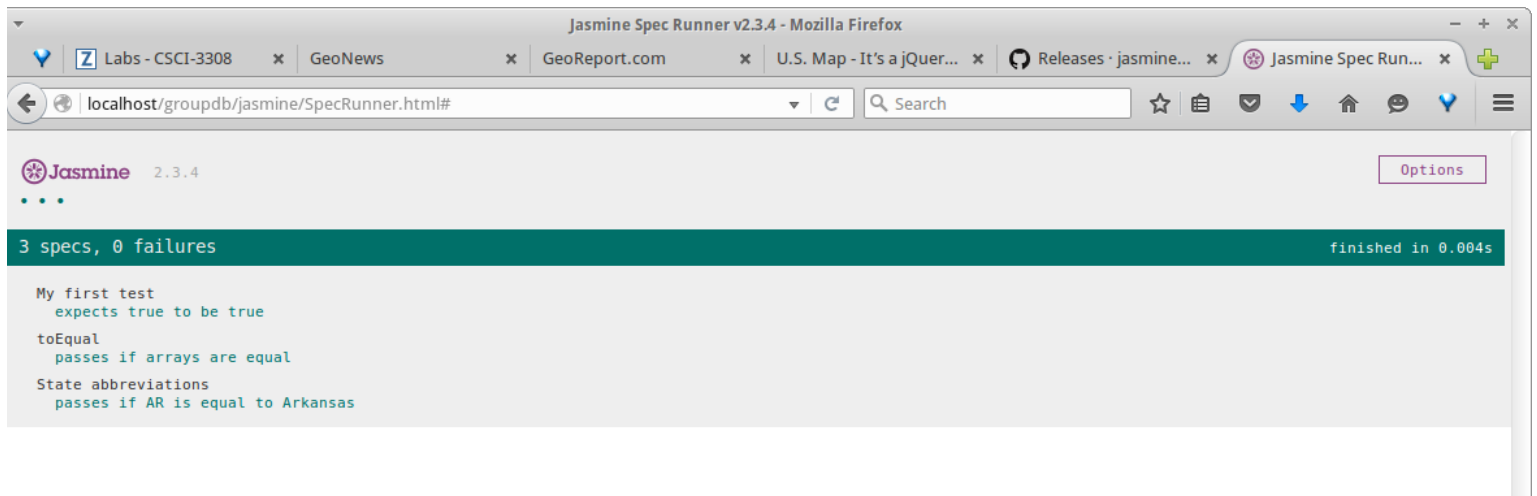# GeoReport

Taylor Maurer, Ian McGinnis, Leif Waldner, and Fang Wang

Vision:

The final product will be a website displaying a map of the United States that when an individual state is clicked on will show news headlines relevant to that state.

Automated Tests:

To test the javascript used in our project we decided to utilize Jasmine which is made to test javascript framework. To run this test the user would need to install our project's GitHub repository (linked below), install Apache, and then create a symlink from /var/www/html to the directory that the repo was installed on. This allows the Apache webserver to access our repository and the website files. Then a browser needs to be pointed at localhost/<symlink_name>/groupdb/jasmine/SpecRunner.html.

The first test is a demo on how to get a test going. This tests that 'true' is actually read as 'true'. The second test, 'toEqual', is a demo comparing returns from the functions. It compares two arrays and verifies that they are equivalent. The last test makes sure that the getName function returns the appropriate state name. This means that when 'AR' is passed into it 'Arkansas is returned. As seen above all three tests are passed for the JavaScript used.

Project Name: GeoReport	
Test Case: Website Testing	
Test Case ID:t_website	Test Designed By:Leif Waldner
Test Priority:LOW	Test Designed Date: November 11th, 2015
Module Name:html	**Test Executed By:**
Test Title:Data Display	**Test Execution Date:**
Description: The purpose is to ensure the website works as intended. When a user opens "www.GeoReports.com" the website loads quickly with no errors.	

Pre-conditions:User has ability to access the internet

Dependencies:database, html display, d3 map

Test Steps	Expected Results	Acutal Results	Status (Pass/Fail)	Notes
1. User goes to www.GeoReport.com	The website loads as intended			
2. User Checks console for errors.	No errors display			

Project Name: GeoReport	

Test Case: Data display

Test Case ID: t_display1	**Test Designed By:** Taylor Maurer
Test Priority: HIGH	**Test Designed Date:** November 10th, 2015
Module Name: html display, map.d3	**Test Executed By:**
Test Title: Data Display	**Test Execution Date:**

Description: The purpose of this test is to verify that when a user clicks on the d3 map, that at least some data is displayed. This does involve the map being there and present and being clickable. This test doesn't necessarily involve the markup from html but being visually pleasing would be a plus.

Pre-conditions: User has ability to access the internet				
Dependencies: database, html display, d3 map				

Test Steps	Expected Results	Acutal Results	Status (Pass/Fail)	Notes
1. User goes to www.GeoReport.com	A map is displayed along with formatted website			
2. User mouses over each state	Each state highlites, showing it is clickable			
3. User clicks a specific state	Data is displayed with no warnings or errors issued			
4. User clicks 5x more states	Data is further displayed for each consecutive state			

Project Name: GeoReport	

Test Case: Correct Data

Test Case ID: t_display_correct	**Test Designed By:** Taylor Maurer
Test Priority: MED	**Test Designed Date:** November 10th, 2015
Module Name: realtime database, html.index	**Test Executed By:**
Test Title: Correct Data	**Test Execution Date:**

Description: The purpose of this test is to verify that when data shows up after clicking a state, that the correct data is presented. This means that the data has to be realtime (defined as within 10 minutes) and pertaining to the state that it represents.

Pre-conditions: User accessed GeoReport.com, and the map and website function correctly

Dependencies: News Polling tool, Database storage and access

Test Steps	Expected Results	Acutal Results	Status (Pass/Fail)	Notes
1. User clicks on a state	Data is displayed			
2. User checks data for realtime validity	Headlines displayed need to be most recent			
3. User checks data for state representativeness	Headlines should pertain to state they represent			
4. User Googles a specific state news	Provides results to verify step 2 and 3			

VCS:

GitHub @ https://github.com/leif-waldner/Software3308-Group1.git