**CS 1632 - DELIVERABLE 3: Web Testing with BDD**

Stack Overflow BDD Web Testing

David Neiman and Luke Nosbisch

https://github.com/lmn33/CS1632\_Assignment3

**Summary**

We chose to test stackoverflow.com for this project, as it provides a lot of testable functionality to users such as logging in and out and navigating between pages. We began testing with the Selenium IDE and found that testing the site was relatively straightforward. As a question and answer platform, Stack Overflow has many static elements and is simple to use.

We began by testing the login and logout features, which are required to actively participate on the site. These test cases included logging in with and without valid credentials as well as logging out. While we tested the success case, we made sure to cover numerous scenarios in which the user should not be able to log in, such as when entering an invalid password. We then tested for navigation from page to page, including cases to and from the main page. Our remaining tests looked at functionalities users would implement within the pages, such as searching in the jobs tab.

In drafting our user stories and scenarios, we focused on the major functionalities that users would need to use the site. We also used exploratory testing to gain familiarity with the site, so that we could understand how to test it better. These steps allowed us to identify important features to test and guided us in writing our test plan.

**Experiences During the Testing Process**

Problems that we encountered during this Assignment were with the commands themselves. Finding out what different commands we had available was a major problem because Eclipse does not always autocomplete. Also there was nothing like the java API to show all available commands that We could use. A lot of this assignment was accomplished with trial and error till we got it to work and then researched why it worked the way we needed it to. Also our first issue was finding a suitable website for us to run tests on. We were originally going to do reddit, but it was what was used on our examples, so we proceeded to hackthissite.org. This site we had to scrap because they did not have names or any type of identifiers for their variables so we could not grab or test what we wanted to, so we finally decided with StackOverFlow.

