CS1632-Deliverable 3: Automated System Testing of a Web Application

Simran Gidwani

<http://github.com/srg61>/D3

While writing Deliverable 3, I was facing the issue of figuring out exactly how to test the validity of the parameters. When I first attempted solving this, I kept getting the Invalid Parameter error for everything I was doing. After reviewing the sample code of Guesser.rb, I was able to figure out how exactly to format it so that it was being tested correctly. After getting all the tests for the parameters working correctly, I was able to move on to the logic side of this deliverable. Although I was able to get all my test working correctly. However, the only thing that I was unable to get working correctly without messing up the rest of the truth table was the two edge cases for NAND and NOR where they are all either all true or all false. Regarding the truth.rb, these were the only difficulties I had. However, when I moved to the Katalon testing, I was having some difficulty thinking of tests to implement past the ones testing all the requirements. It took me a bit of time to figure out how to work the different settings which also didn’t help. For the most case, I was able to handle all the test cases I could think of without having any of them fail.

Traceability Matrix:

Requirement 1: test\_home\_page

Requirement 2: test\_back\_to\_main, test\_reload\_page

Requirement 3: test\_invalid\_size, test\_t\_and\_f\_are\_same, test\_size\_less\_than\_2, test\_invalid\_parameters

Requirement 4: test\_t\_and\_f\_are\_same

Requirement 5: test\_header\_order, test\_descending\_bits, test\_back\_to\_main, test\_large\_header, test\_default\_table\_header, test\_other\_values\_for\_t\_and\_f

Requirement 6: test\_truth\_table\_large, test\_size\_3,

Requirement 7: test\_default\_values, test\_default\_table\_header

Requirement 8: test\_invalid\_url\_back\_to\_main, test\_invalid\_url\_error

