**CS 1632 – DELIVERABLE 3: Automated System Testing of a Web Application**

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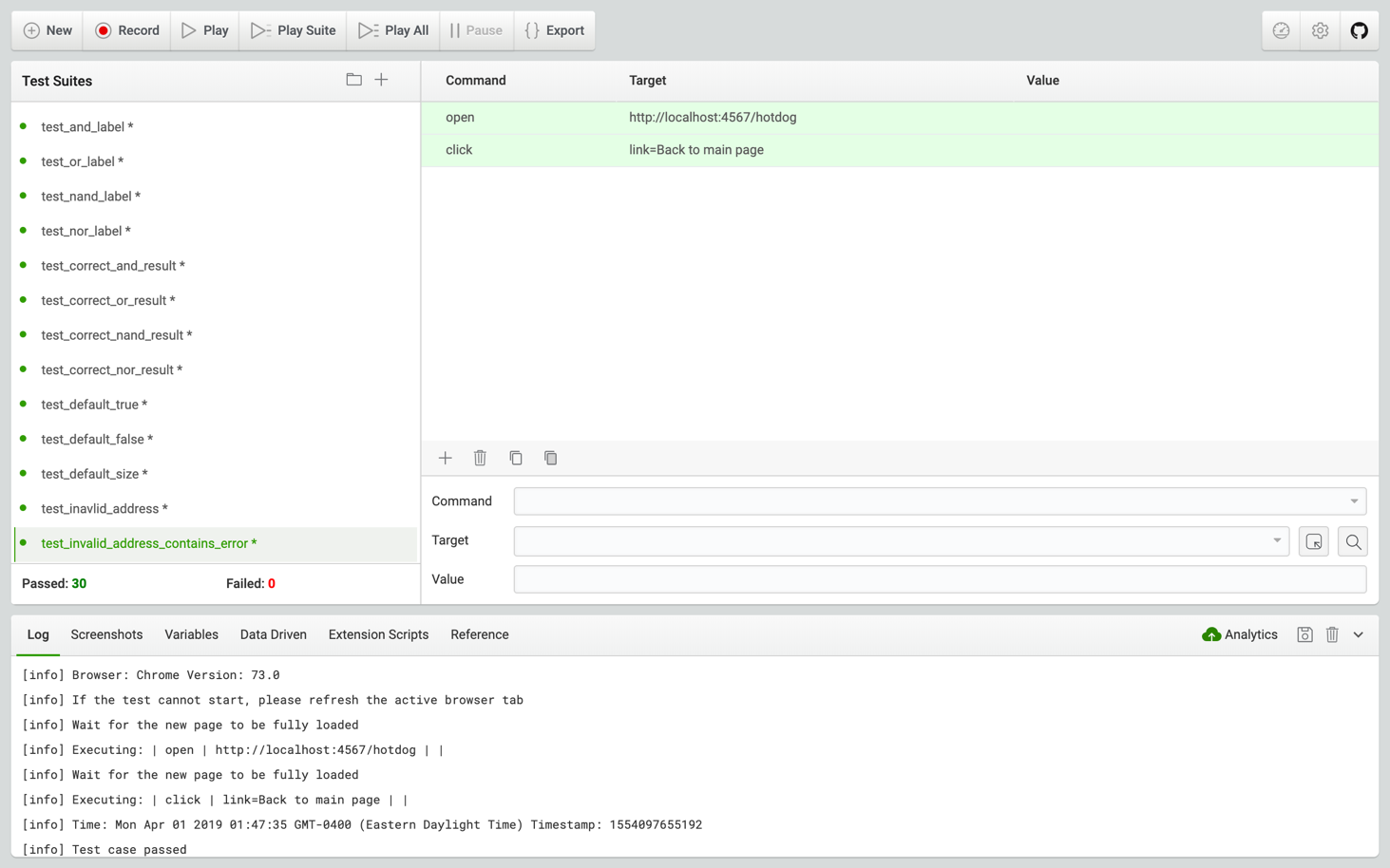
<https://github.com/aliflooo/D3>

**Description of Issues:**

Alongside writing the code and tests, my initial issues arose with figuring how to put together my logic; I had difficulties figuring out which parts I could separate into erb files, and which parts should be included in my main file, truth.rb. Ultimately, I realized that I could put all my errors separate from truth.rb, the latter which could contain logic about producing the correct output from AND, OR, NOR, and NAND.

The next issue I had was trying to figure out how to produce the correct table output. In the end, I gave specific values to AND and OR, and then set the values of NAND to !(AND) and NOR to !(OR) respectively.

**Katalon:**



**Traceability Matrix:**

|  |  |
| --- | --- |
| **Requirement** | **Test Cases** |
| 1 | test\_show\_boxes, test\_submit\_button, test\_correct\_labels |
| 2 | test\_invalid\_param\_link\_to\_main, test\_invalid\_address\_link\_to\_main, test\_table\_link\_to\_main |
| 3 | test\_invalid\_param\_page, test\_invalid\_param\_error\_msg, test\_invalid\_param\_required\_txt, test\_invalid\_param\_contains\_rules |
| 4 | test\_single\_char\_value\_true, test\_single\_char\_value\_false, test\_same\_true\_false, test\_size\_greater\_two |
| 5 | test\_construct\_truth\_table, test\_specified\_symbols, test\_descending\_bit\_values, test\_and\_label, test\_or\_label, test\_nand\_label, test\_nor\_label |
| 6 | test\_correct\_and\_label, test\_correct\_or\_label, test\_correct\_nand\_label, test\_correct\_nor\_label, |
| 7 | test\_default\_true, test\_default\_false, test\_default\_size |
| 8 | test\_invalid\_address, test\_invalid\_address\_contains\_error |