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| TestID | createAccount() | searchSong() |
| Purpose of Test | To test whether the system can handle login request or not | To test whether the database and the middleware are communicating correctly |
| Test Environment | HtmlUnit | HtmlUnit |
| Test Steps | Start nodeinterface.js in cmd, run the javascript loginTest through an IDE (you must input username and password as parameters) | Start nodeinterface.js in cmd, run the javascript loginTest through an IDE (the test should use data that has already been populated into the database) |
| Test Input | Username and password | N/A |
| Expected Result | Success |  |
| Likely Problems/Bugs Revealed | Problems with the client computer communicating with the host. Errors in javascript coding such as users being able to login with incorrect passwords. | Problems with the database being able to populate a search list. Problems with tables interacting properly with the middleware. |

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| Bug | Test That Uncovered Bug | Description of Bug | Action Taken |
| 404 Error | createAccount() | The headless browser is not able to connect to receive feedback after sending form to database | Run the test on a client computer that has a confirmed connection to the database. Attempt to setup a dummy server. |
| ElementNotFoundError | searchSong() | The client computer is not able to find form ID’s by name. | We will try leaving the form ID’s blank for the time being to see if the client computer can consistently get values from them. |