Automated Testing Documentation for COMP10066 Assignment #2

 **Name:** Harsh Goswami

 **Student Number:** 000894310

* **INTRODUCTION:**

 **Assignment Overview:** This document outlines the testing strategy and detailed test cases for the COMP10066 website. The focus is on validating functionality through automated tests using Katalon, covering aspects like user navigation, member searches, and administrative configurations.

 **Hardware/Software Tested:** The tests target a web application accessible at <https://csunix.mohawkcollege.ca/tooltime/comp10066/A3>. Testing requires a computer with internet access, a web browser, and the Katalon Recorder extension.

**Scope of Testing:** Includes testing user authentication, navigation, search functionality, and administrative settings. Tests will not cover performance under varying network conditions or browser compatibility beyond Chrome and Firefox.

* **Test Cases Table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Number | Test Name | Reason for Test | Expected Result | Observed Result | Status |
| 1 | Admin Login | Verify that the admin can log in successfully. | Admin logs in successfully. | Asexpected | Pass |
| 2 | Member Search | Test member search functionality. | Search returns correct member details. | Asexpected | Pass |
| 3 | Invalid Login | Check system response to invalid login. | Error message for incorrect credentials. | Error message displayed | Pass |
| 4 | Add New User | Verify adding a new user by admin. | New user is added successfully. | User added | Pass |
| 5 | Unauthorized Access | Attempt access without login. | Access should be denied. | Access correctly denied | Pass |
| 6 | FAQ Navigation | Ensure FAQ questions are highlighted when selected. | Selected question is clearly highlighted. | Question not highlighted | Fail |
| 7 | Delete User | Verify admin can delete a user. | User is deleted successfully. | User deleted | Pass |
| 8 | Admin Logout | Test admin logout functionality. | Admin logs out successfully. | Admin logged out | Pass |

* **BUG SUMMARY:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bug Number** | **Test Case** | **Description** | **Supporting Test Cases** |
| 1 | FAQ Navigation | FAQ question not highlighted on selection. | FAQ Navigation Test |

* **Bug Description:** When a user selects a FAQ question, the application navigates to the correct section but does not visually distinguish the selected question from others, complicating user navigation and usability.
* **Test Procedure for Running Automated Test Scripts with Katalon Recorder:**

 **Initiate Browser:**

* Start up your preferred web browser.

 **Navigate to Test-Site:**

* Type in the URL of the site you wish to evaluate and hit Enter.

 **Activate Katalon Recorder:**

* Open the Katalon Recorder by clicking its icon located in your browser’s extension toolbar.

 **Choose Your Test Suite:**

* Select the appropriate test suite you plan to execute.

 **Execute Tests:**

* Press the "Play" button within Katalon Recorder to begin the testing process.

 **Assess Test Outcomes:**

* Watch the test progress and scrutinize the outcomes for any discrepancies.

 **Terminate Katalon Recorder:**

* Shut down the Katalon Recorder extension after completing your tasks.