# 2. Test Specification **[Luke Beisser]**

***2.1 Test Case ID: 1***

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| **Test Case ID: 1** | **Goal: Find all pages required** |
| **Steps** | **Sub-Steps** |
| 1.Verify Login Page | |  | | --- | | 1.1 Go to site URL | | 1.2 Check for login before entry | |  | |
| 2. Verify Forgot Password | |  | | --- | | 2.1 Click on forgot password | | 2.2 Check for redirection to password resetter | |  | |
| 3.Verify Index system | |  | | --- | | 3.1 Locate index system | | |  | | --- | |  | | |
| 4.Verify Assignments page | |  | | --- | | 4.1 Locate Assignments page | | |  | | --- | | 4.2 Check for user assignment Info | |  | | |
| 5.Verify CRID students/Faculty | |  | | --- | | 5.1 Check for student/ faculty verification | |  | |
| 6.Verify Profile | |  | | --- | | 6.1 Check for profile page | | |  | | --- | | 6.2 Correct profile shown? | |  | | |
| 7.Verify Classes page | |  | | --- | | 7.1 Locate Classes page | | |  | | --- | | 7.2 Check for user Class Info | |  | | |

**Test Completion Indicator:** All pages have been verified.

**Evaluation Process:** Ensure user checked correct URL and pages.

***2.2 Test Case ID: 2***

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| **Test Case ID: 2** | **Goal: Check for proper login** |
| **Steps** | **Sub-Steps** |
| 1.Verify Login Page | |  | | --- | | * 1. Go to site URL.   2. Check for login before entry. | |
| 2. Load all Incorrect info | |  |  | | --- | --- | | 2.1 Enter variations of incorrect Usernames.  2.2 Enter variations of incorrect Passwords.   |  | | --- | |  | | |
| 3. Load correct username | 3.1 Enter correct username.  3.2 Enter incorrect password. |
| 4. Load correct password | 4.1 Enter incorrect username.   * 1. Enter correct password. |
| 5. Load similar username and passwords | 5.1 Enter incorrect variations of the correct username.  5.2 Enter incorrect variations of the correct password. |
| 6. Load all correct info | 6.1 Enter correct username.  6.2 Enter correct password. |

**Test Completion Indicator:** User has logged in and gained system access.

**Evaluation Process:** Ensure tester has tested all possibilities to prevent erroneous user system access.

***2.3 Test Case ID: 3***

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| **Test Case ID: 3** | **Goal: Check encryption** |
| **Steps** | **Sub-Steps** |
| 1. Check private data | |  | | --- | | 1.1 Go into the system  1.2 Try and access private data  1.3 Check data is encrypted | |

**Test Completion Indicator:** Private data is encrypted

**Evaluation Process:** Try and access data

***2.4 Test Case ID: 4***

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| **Test Case ID: 4** | **Goal: Check for search and query ability in index** |
| **Steps** | **Sub-Steps** |
| 1. Locate Index | |  | | --- | | 1.1 Navigate to index | |
| 2. Check ability of F4 | 2.1 Hit F4 key  2.2 Find the resulting pop up  2.3 Search for a word you see  2.4 Type a SQL query to pull a table from data. |

**Test Completion Indicator:** User can search and query from the F4 key.

**Evaluation Process:** Follow the steps listed in the test case.

***2.5 Test Case ID: 5***

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| **Test Case ID: 5** | **Goal: Check for searchability in Assignments** |
| **Steps** | **Sub-Steps** |
| 1. Locate assignments | |  | | --- | | 1.1 Navigate to assignments | |
| 2. Check ability of F3 | 2.1 Hit F3 key  2.2 Find search bar  2.3 Enter an existing file |

**Test Completion Indicator:** User can search from the F3 key.

**Evaluation Process:** Use the F3 key and search

***2.6 Test Case ID: 6***

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| **Test Case ID: 6** | **Goal: Check for correct services** |
| **Steps** | **Sub-Steps** |
| 1. Check for mySQL | |  | | --- | | 1.1 Inspect the Source code  1.2 Check for mySQL to be used as DB | |
| 2. Check for ReactJS | 2.1 Inspect the source code  2.2 Check that ReactJS is use |
| 3. Check for NodeJS | 3.1 Inspect the source code  3.2 Check that NodeJS is used |
| 4. Check for Azure | 4.1 Inspect the source code  4.2 Check that Azure is used for cloud storage |

**Test Completion Indicator:** The system uses the correct services

**Evaluation Process:** Check for all the required services

***2.7 Test Case ID: 7***

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| **Test Case ID: 7** | **Goal: System can handle traffic** |
| **Steps** | **Sub-Steps** |
| 1. Simulate users | |  | | --- | | 1.1 Make user accounts  1.2 Create script to login users  1.3 Run script | |
| 2. Test system | 2.1 Check system operates with 550 users |

**Test Completion Indicator:** System can handle 550 users

**Evaluation Process:** Login 550 users