

**THE LINUX COLLEGE: System Test Procedure**

|                    |  |  |   |                      |                      |                     |                |
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| <b>Version 1.1</b> |  |  |   |                      |                      |                     |                |
|                    |  |  |   |                      |                      |                     |                |
| <b>Test ID</b>     | <b>Description</b>                             | <b>Input / Method</b>                              | <b>Expected Output</b>  | <b>Actual Output</b> | <b>Software Used</b> | <b>Test Results</b> | <b>Comment</b> |
| 1                  | Buttons and links on the homepage working well |  | Redirect users to their desired pages all on the same page                              |                      |                      |                     |                |
| 2                  | Database sync check                            |  | Quick and efficient syncing between content on web pages and the database               |                      |                      |                     |                |
| 3                  | Input validation on all input fields           |  | Verify all input entered by users before processing forms                               |                      |                      |                     |                |
| 4                  | Email server test                              | Emails are sent and received using the mail server | All emails are received and successfully sent   |                      |                      |                     |                |
| 5                  | Database storing information                   |  | Successfully storing users who subscribe to newsletters and new members to the database |                      |                      |                     |                |

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| 6  | Chatbox functionality                | Asking a set of random questions                  | Providing relevant information to users using keywords                                  |  |  |  |  |
| 7  | Chatbox sync with FAQs               |   | Compiling FAQs in the chatbox and other areas and displaying them in the FAQ section    |  |  |  |  |
| 8  | Search bar functionality             | Typing in a set of random keywords and sentences  | Provide relevant search results based on user's search                                  |  |  |  |  |
| 9  | Legacy browser test                  | Using an outdated version to access webpages      | Restricted access to the payment page and other data-sensitive pages on the website     |  |  |  |  |
| 10 | User login test                      | Login as an existing user                         | Successful only if the right credentials are provided and redirection to your dashboard |  |  |  |  |
| 11 | Viewing and editing a user's profile | Accessing user profile and trying to make changes | Successful update and new changes are displayed to users                                |  |  |  |  |
| 12 | Making payment                       | Using wrong credit card information               | Error and users informed of why their card cannot be processed                          |  |  |  |  |

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| 13 | Making payment                         | Using the right credit card   | Successful, a confirmation email sent to user and fees updated  |  |  |  |  |
| 14 | Making payment                         |   | Credit card information is collected and processed on the same page without redirecting users to a 3rd-party website  |  |  |  |  |
| 15 | Withdrawal                             | Trying to withdraw from a class   | Display school policies and whether the user is eligible for a refund   |  |  |  |  |
| 16 | Registering new user                   | Signing up on the website   | Successful only when: <ul style="list-style-type: none"><li>• The email provided is valid and not in use</li><li>• Password is at least 10 characters</li></ul> Prompt users when any of these requirements are not met |  |  |  |  |
| 17 | Required user registration information | Signup up without entering a first name, last name, email, contact, and or password | Prompt user of missing information and proceed with registration only when the right information is provided  |  |  |  |  |

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| 18 | Resetting password  | Clicking the forgot password button/link    | <p>Require users to enter the email address associated with the account been retrieved.</p> <p>When successful:</p> <ul style="list-style-type: none"><li>• Send a recovery email to them</li><li>• Redirect users to the website for a password reset upon clicking the link</li><li>• Prevent users from reusing passwords</li><li>• The new password is at least 10 characters</li></ul> <p>Redirect users to dashboard after requirements are met</p> |  |  |  |  |
| 19 | Image Optimization  |   | <p>Images and media on the website are optimized by using the most minimum size for faster browsing.</p>  |  |  |  |  |
| 20 | Insecure connection | Redirecting HTTPS to other insecure traffic | <p>Maintain secure communication protocols on all webpages</p>  |  |  |  |  |

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| 21 | Site Speed | Multiple access to website using different endpoints producing intense traffic | Maintain quick response to requests on the website |  |  |  |  |
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