|  |  |
| --- | --- |
| **Project:** Moffat Bay Lodge – Group 3 |  |
| **Course:** CSD460 – Capstone in Software Development |  |
| **Description:** Web Site for the Marina Bay Lodge |  |
| **Date:** 09/04/2024 |  |

To complete the test case plan, fill out the information for Project, Course, Description and Date in the header below.

.

**TABLE OF CONTENTS**

[Landing Page Layout and Navigation Functionality 2](#_Toc231601188)

[Link Functionality 2](#_Toc1551305514)

[<Login Success Functionality> 3](#_Toc753657010)

[<Login Failure Functionality> 4](#_Toc2102472386)

[<Registration Success Functionality> 4](#_Toc175839718)

[<Registration Failure Functionality> 5](#_Toc1869034438)

[<Description> 6](#_Toc1062491714)

For each test, the developer should: provide a test description, a test objective, the developer name and date tested. For each step, fill out the actions to be taken and describe the expected results, and indicate yes or no for each step depending upon the result. The peer tester should provide their name, date tested, indicate yes or no for each step depending upon the result, and a screenshot (thumbnail) of the result.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 1 | **Landing Page Layout and Navigation Functionality** | | | |
|  | **Test Objective:** Verify that the landing page displays all key elements correctly and the navigation bar functions as expected | **Developer:** Brandon  **Date tested:** <yyyy/mm/dd> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail**  **+ Screenshot** |
| 1 | Open the landing page in a browser | The page loads with the correct background image | <yes/no> | <yes/no> |
| 2 | Verify that the logo is centered in the navigation bar | Logo is centered and visible between the menu items | <yes/no> | <yes/no> |
| 3 | Click on the "Home" menu link | Page reloads or stays on the current page (no errors) | <yes/no> | <yes/no> |
| **Comments** | The landing page should visually resemble the provided mockup. Any misalignment or missing images should be noted. The background image and font settings must be checked for accuracy. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 2 | **Link Functionality** | | | |
|  | **Test Objective:** Verify that all the links in the navigation bar and buttons function correctly and lead to the appropriate pages or placeholders. | **Developer:** Brandon  **Date tested:** <yyyy/mm/dd> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Click on the "Home" link in the navigation bar | Reloads the current landing page without errors | <yes/no> | <yes/no> |
| 2 | |  | | --- | | Click on the "About Us" link in the navigation bar |  |  | | --- | |  | | Leads to the About Us page or a placeholder page | <yes/no> | <yes/no> |
| 3 | Click on the "Attractions" link in the navigation bar | Leads to the Attractions page or a placeholder page | <yes/no> | <yes/no> |
| 4 | Click on the "Lodging" link in the navigation bar | Leads to the Lodging page or a placeholder page | <yes/no> | <yes/no> |
| 5 | Click on the "Contact Us" link in the navigation bar | Leads to the Contact Us page or a placeholder page | <yes/no> | <yes/no> |
| 6 | Click on the "My Reservations" link | Leads to the My Reservations page or a placeholder page | <yes/no> | <yes/no> |
| 7 | Click on the "Login/Register" button | Leads to the Login/Register page or a placeholder page | <yes/no> | <yes/no> |
| 8 | |  | | --- | | Click on the "Learn More" button in the hero section |  |  | | --- | |  | | Leads to the specified page or a placeholder page | <yes/no> | <yes/no> |
| **Comments** | All links should either function correctly or lead to placeholders if the pages are not yet created. If any links do not work or lead to 404 errors, they should be checked for typos or broken paths. Links should open without issues, and the URLs should match the expected destinations. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 3 | **<Login Success Functionality>** | | | |
|  | **Test Objective:** Connects to MySQL database. Allows and verifies user input. Properly redirect user to reservation page after successful login. | **Developer:** Alexis  **Date tested:** <yyyy/mm/dd> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | User input correct username | Proceed to type in password | <yes/no> | <yes/no> |
| 2 | User input correct password | Proceed to click login button | <yes/no> | <yes/no> |
| 3 | Click “Log in” button | Login successful and user is redirected to registration page. | <yes/no> | <yes/no> |
| **Comments** | User should be able to type in the corresponding text boxes. In the case that the input is all correct, user is then redirected to the reservations page. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 4 | **<Login Failure Functionality>** | | | |
|  | **Test Objective:** Connects to MySQL database. Allows and verifies user input. Redirects user to refreshed login page with a note explaining the issue. | **Developer:** Alexis  **Date tested:** <yyyy/mm/dd> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | User input incorrect username but correct password, click “login” button | Page refreshes with “user not found” | <yes/no> | <yes/no> |
| 2 | User input correct username but incorrect password, click “login” button | Page refreshes with “invalid password” | <yes/no> | <yes/no> |
| 3 | Click “Log in” button without input | Popup bubble “Please fill out this field” | <yes/no> | <yes/no> |
| **Comments** | User should be able to type in the corresponding text boxes. There are many cases in which unsuccessful login may occur, including: no user input, wrong username and correct password, correct username and wrong password. The page will prompt if there are blank text boxes that must be filled before proceeding to the next page. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 5 | **<Registration Success Functionality>** | | | |
|  | **Test Objective:** Connects to MySQL database. Allows and verifies user input. Properly inserts user input into database. | **Developer:** Alexis  **Date tested:** <yyyy/mm/dd> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | User input user info such as name, email, phone, address, city, state, zip code, country | Proceed to username creation | <yes/no> | <yes/no> |
| 2 | User input username at least 6 characters long | Proceed to create password | <yes/no> | <yes/no> |
| 3 | User input password at least 8 characters in length with at least 1 numerical value. | Proceed to click register | <yes/no> | <yes/no> |
| 4 | User clicks “Register” button | User information successfully stored into database, and user is prompted to Login page. | <yes/no> | <yes/no> |
| **Comments** | The user should be able to type in their information smoothly and click “Register Now” to submit this information into the database. Backend code should effectively enter this information into the database and the user should be redirected to the Login page and able to login with their created username and password. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 5 | **<Registration Failure Functionality>** | | | |
|  | **Test Objective:** Connects to MySQL database. Allows and verifies user input. Prompts messages wherever necessary for incorrect user input. | **Developer:** Alexis  **Date tested:** <yyyy/mm/dd> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | User input blank | Prompts message bubble “Please fill out this field” | <yes/no> | <yes/no> |
| 2 | User input correct Name, Email, Address, State, City, Zip, and Country but input phone number less than 10 digits long or non-numerical values. | User is prompted to match requested format “Phone number must be exactly 10 digits” |  |  |
| 3 | User input correct information: Name, Email, Phone, Address, City, State, Zip Code, Country | Proceed to create username | <yes/no> | <yes/no> |
| 4 | User input username less than 6 characters in length and password 8 characters long with at least 1 number | User is prompted to match requested format of at least 6 characters long. | <yes/no> | <yes/no> |
| 5 | User input username at least 6 characters in length and password less than 8 characters long | User is prompted that the password should be at least 8 characters long and include at least 1 numerical value. | <yes/no> | <yes/no> |
| 6 | User input username at least 6 characters long and password 8 characters long but no number | User is prompted that the password should be at least 8 characters long and include at least 1 numerical value. | <yes/no> | <yes/no> |
| **Comments** | As there is a high margin of error when it comes to user input, there should be plenty of measures to account for these errors. Users should not be able to proceed to the next step (registering their account) without having filled out all the required information and should therefore be prompted when any information is missing. Furthermore, to keep the database consistent, there are restrictions on phone number entry (10 digits, no special characters). Lastly, there are minimum requirements for username and password for basic security. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test 5 | **<Description>** | | | |
|  | **Test Objective:** | **Developer:**  **Date tested:** <yyyy/mm/dd> | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** |
| 1 | <Enter an action> | <Enter the expected results> | <yes/no> |
| 2 | <Enter an action> | <Enter the expected results> | <yes/no> |
| 3 | <Enter an action> | <Enter the expected results> | <yes/no> |
| 4 | <Enter an action> | <Enter the expected results> | <yes/no> |
| 5 | <Enter an action> | <Enter the expected results> | <yes/no> |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |