

# Quality Assurance Report Test Cases

## **Login System**

#### Login Test Cases - Kamili Beach Resort

| Test<br>Case | Title  | Preconditions                | Steps   | Expected Result  |
|--------------|--|------------------------------|---|--|
| TC-01        | Verify successful login with a VALID username and VALID password.  (VALID LOGIN) | The user has a valid account | <ol> <li>Navigate to the login page.</li> <li>Enter a valid username.</li> <li>Enter a valid password.</li> <li>Click the "Login" button.</li> </ol>      | The user is successfully logged in and redirected to the dashboard/home page.  QA - PASS         |
| TC-02        | Verify login failure with an INVALID username.  (INVALID LOGIN)                  | None                         | <ol> <li>Navigate to the login page.</li> <li>Enter an invalid username.</li> <li>Enter a valid password.</li> <li>Click the "Login" button.</li> </ol>   | An error message indicating an <b>Invalid username or password</b> is displayed.  QA - PASS      |
| TC-03        | Verify login failure with an INVALID password.  (INVALID LOGIN)                  | The user has a valid account | <ol> <li>Navigate to the login page.</li> <li>Enter a valid username.</li> <li>Enter an incorrect password.</li> <li>Click the "Login" button.</li> </ol> | An error message indicating Error message: "Invalid username or password".  QA - PASS            |
| TC-04        | Verify login failure with the <b>Username field left blank.</b>                  | None                         | 1. Navigate to the login page. 2. Leave the username field blank. 3. Enter a valid password. 4. Click the "Login" button.                                 | An error message indicating that the <b>"Required fields are empty"</b> is displayed.  QA - PASS |

|       |   | 1    |  |  |
|-------|---|------|--|--|
| TC-05 | Verify login failure with the <b>Password</b> | None | 1. Navigate to the login page.           | An error message indicating that the <b>"Required fields are</b> |
|       | field left blank                              |      | 2. Enter a valid                         | empty" is displayed.   |
|       |   |      | username.                                | 0.1 P. 00  |
|       |   |      | 3. Leave the password                    | QA - PASS  |
|       |   |      | field blank.                             |  |
|       |   |      | 4. Click the "Login"                     |  |
|       |   |      | button.                                  |  |
| TC-06 | Case Sensitivity                              | None | 1. Open the login page                   | An error message indicating                                      |
|       | (Password)                                    |      | 2. Enter a valid                         | "Invalid username or   |
|       |   |      | username and                             | password"  |
|       |   |      | password with a                          |  |
|       |   |      | different case                           | QA - PASS  |
|       |   |      | 3. Click submit                          |  |
|       |   |      | button                                   |  |
| TC-07 | Case Sensitivity                              | None | 1. Open the login page                   | An error message indicating                                      |
|       | (Username)                                    |      | 2. Enter a username                      | "Invalid username or   |
|       |   |      | with a different case                    | password"  |
|       |   |      | and a valid password                     | 0.) P) 00  |
|       |   |      | 3. Click submit                          | QA - PASS  |
|       | 27 10 11 1 1                                  |      | button                                   |  |
| TC-08 | Verify that the login                         | None | 1. Navigate to the                       | An error message indicating                                      |
|       | system is protected                           |      | login page.                              | "Invalid username or   |
|       | against <b>SQL injection</b>                  |      | 2. Enter an SQL                          | password"  |
|       |   |      | injection string (e.g., "                | 0.) P. 66  |
|       |   |      | OR 1=1;") in the                         | QA - PASS  |
|       |   |      | username field.                          |  |
|       |   |      | 3. Enter any                             |  |
|       |   |      | password.                                |  |
|       |   |      | 4. Click the "Login"                     |  |
| то оо | Prometry Piol de                              | None | button.                                  | λ.,  |
| TC-09 | Empty Fields                                  | None | 1. Open the login page 2. Leave username | An error message indicating                                      |
|       |   |      |  | that <b>Required fields are</b>                                  |
|       |   |      | and password fields                      | empty  |
|       |   |      | empty<br>3. Click submit                 | OA DASS  |
|       |   |      |  | QA - PASS  |
|       |   |      | button                                   |  |

## Signup Test Cases - Kamili Beach Resort

| Test<br>Case | Title                | Preconditions         | Steps                              | Expected Result  |
|--------------|----------------------|-----------------------|------------------------------------|--|
| TC-10        | Successful Signup    | The signup<br>form is | 1. Enter valid data in all fields: | Success message: "Your Staff registration was successful!" |
|              |                      | accessible.           | First Name: Thilina                |  |
|              |                      |                       | Last Name: Pathum                  | QA - PASS  |
|              |                      |                       | NIC No: 123456789V                 |  |
|              |                      |                       | Contact No:                        |  |
|              |                      |                       | 0711234567                         |  |
|              |                      |                       | Email:                             |  |
|              |                      |                       | thili@example.com                  |  |
|              |                      |                       | Username: pathu                    |  |
|              |                      |                       | Password:                          |  |
|              |                      |                       | password1234                       |  |
|              |                      |                       | 2. Click the "Register"            |  |
|              |                      |                       | button.                            |  |
| TC-11        | Missing Required     | The signup            | 1. Enter valid data in             | An error message indicating a                              |
|              | Field                | form is               | all fields <b>except the</b>       | "username is required".                                    |
|              |                      | accessible.           | Username                           | QA - PASS  |
|              |                      |                       | First Name: thili                  | QA-TAO   |
|              |                      |                       | Last Name: pathum                  |  |
|              |                      |                       | NIC No: 123456789V                 |  |
|              |                      |                       | Contact No:                        |  |
|              |                      |                       | 0714280535                         |  |
|              |                      |                       | Email:                             |  |
|              |                      |                       | thili@example.com                  |  |
|              |                      |                       | Password:                          |  |
|              |                      |                       | password1234                       |  |
|              |                      |                       | 2. Click the "Register"            |  |
|              |                      |                       | button.                            |  |
| TC-12        | Invalid Email Format | The signup            | 1. Enter invalid email             | An error message indicating                                |
|              |                      | form is               | format:                            | Error message: "Invalid email format".                     |
|              |                      | accessible.           | Email: ABC.doe.com                 | ioimat.  |
|              |                      |                       | 2. Fill in other fields            | QA - PASS  |
|              |                      |                       | with valid data:                   |  |

|       |                         |                                | First Name: THILI Last Name: Pathum NIC No: 123456789 Contact No: 0714280535 Username: thili Password: Password123 3. Click the "Register" button.  |   |
|-------|-------------------------|--------------------------------|---|---|
| TC-13 | Invalid Password Format | The signup form is accessible. | 1. Enter a weak password: Password: 123 2. Fill in other fields with valid data: First Name: John Last Name: Pieris NIC No: 123456789V Contact No: 0714280535 Email: thili@example.com Username: thilin 3. Click the "Register" button. | An error message indicating that the "password is too weak or invalid" " is displayed.  QA - PASS |
| TC-14 | Duplicate Username      | The signup form is accessible. | 1. Enter a username that already exists: Username: thili 2. Fill in other fields with valid data: First Name: Thilina Last Name: Smith NIC No:123456789V Contact No: 0712345674 Email: jane.smith@example. com Password:                | An error message indicating that the <b>"username is already taken"</b> is displayed.  QA - PASS  |

|       |                 |             | anotherSecurePassw      |                             |
|-------|-----------------|-------------|-------------------------|-----------------------------|
|       |                 |             |                         |                             |
|       |                 |             | ord123                  |                             |
|       |                 |             | 3. Click the "Register" |                             |
|       |                 |             | button.                 |                             |
| TC-15 | Invalid Contact | The signup  | 1. Enter an invalid     | An error message indicating |
|       | Number Format   | form is     | contact number          | "invalid contact number"    |
|       |                 | accessible. | format:                 |                             |
|       |                 |             | Contact No: 12345       | QA - PASS                   |
|       |                 |             | 2. Fill in other fields |                             |
|       |                 |             | with valid data:        |                             |
|       |                 |             | First Name: John        |                             |
|       |                 |             | Last Name: Doe          |                             |
|       |                 |             | NIC No: 123456789       |                             |
|       |                 |             | Email:                  |                             |
|       |                 |             | john.doe@example.co     |                             |
|       |                 |             | m                       |                             |
|       |                 |             | Username: johndoe       |                             |
|       |                 |             | Password:               |                             |
|       |                 |             | securePassword123       |                             |
|       |                 |             | 3. Click the "Register" |                             |
|       |                 |             | button.                 |                             |
| TC-16 | SQL Injection   | The signup  | 1. Open the login page  | Input is handled safely     |
|       | Attempt         | form is     | 2. Enter a username     | without executing SQL       |
|       |                 | accessible. | with a different case   | commands                    |
|       |                 |             | and a valid password    |                             |
|       |                 |             | 3. Click submit         | QA - PASS                   |
|       |                 |             | button                  |                             |

### Forgot Password Test Cases - Kamili Beach Resort

| Test          | Title                 | Preconditions  | Steps                    | Expected Result                   |
|---------------|-----------------------|----------------|--------------------------|-----------------------------------|
| Case<br>TC-17 | Successful Password   | The "Forgot    | 1. Enter a registered    | Success message: "Message         |
|               | Reset Request         | Password" form | email address.           | sent, please check your           |
|               |                       | is accessible. | 2. Click the "Submit"    | inbox!"                           |
|               |                       |                | button.                  |                                   |
|               |                       |                |                          | QA - PASS                         |
| TC-18         | Missing Email Field   | The "Forgot    | 1. Leave the "Email"     | An error message indicating a     |
|               |                       | Password" form | field empty.             | "The email format is invalid".    |
|               |                       | is accessible. | 2. Click the "Submit"    |                                   |
|               |                       |                | button.                  | QA - PASS                         |
| TC-19         | Invalid Email Format  | The "Forgot    | 1. Enter an invalid      | An error message indicating       |
|               |                       | Password" form | email format (e.g.,      | "The email format is invalid.".   |
|               |                       | is accessible. | "abc@com") in the        |                                   |
|               |                       |                | "Email" field.           | QA - PASS                         |
|               |                       |                | 2. Click the "Submit"    |                                   |
|               |                       |                | button.                  |                                   |
| TC-20         | Non-existent Email    | The "Forgot    | 1. Enter a               | An error message indicating       |
|               | Address               | Password" form | non-existent email       | that the <b>"The email is not</b> |
|               |                       | is accessible. | address (e.g.,           | registered." is displayed.        |
|               |                       |                | "uwu@example.com")       |                                   |
|               |                       |                | in the "Email" field.    | QA - PASS                         |
|               |                       |                | 2. Click the "Submit"    |                                   |
|               |                       |                | button.                  |                                   |
| TC-21         | SQL Injection         | The "Forgot    | 1. Enter a SQL           | Input is handled safely           |
|               | Attempt               | Password" form | injection attempt in     | without executing SQL             |
|               |                       | is accessible. | the "Email" field (e.g., | commands.                         |
|               |                       |                | "abc@example.com'        |                                   |
|               |                       |                | OR '1'='1").             | QA - PASS                         |
|               |                       |                | 2. Click the "Submit"    |                                   |
|               | 4                     |                | button.                  |                                   |
| TC-22         | Email Sending Failure | The "Forgot    | 1. Enter a registered    | An error message indicating       |
|               |                       | Password" form | email address.           | "Failed to send email. Please     |
|               |                       | is accessible. | 2. Simulate email        | try again."                       |

|       |                             |   | sending failure.<br>3. Click the "Submit"<br>button   | QA - PASS   |
|-------|-----------------------------|---|---|---|
| TC-23 | Token Generation<br>Failure | The "Forgot<br>Password" form<br>is accessible. | <ol> <li>Enter a registered email address.</li> <li>Simulate token generation failure.</li> <li>Click the "Submit" button.</li> </ol> | An error message indicating "Something went wrong, Try Again!"  QA - PASS |

#### Reset Password Test Cases - Kamili Beach Resort

| Test<br>Case | Title                         | Preconditions                                  | Steps  | Expected Result  |
|--------------|-------------------------------|--|--|--|
| TC-24        | Successful Password<br>Reset  | The "Reset<br>Password" form<br>is accessible. | <ol> <li>Enter a registered<br/>email address.</li> <li>Click the "Submit"<br/>button.</li> </ol>                                  | Success message: <b>"Password updated. You can now login."</b> QA - PASS           |
| TC-25        | Missing Password<br>Field     | The "Reset<br>Password" form<br>is accessible. | 1. Leave the "Password" field empty. 2. Click the "Submit" button.   | An error message indicating a "Password must be at least 8 characters."  QA - PASS |
| TC-26        | Missing Password Confirmation | The "Reset<br>Password" form<br>is accessible. | <ol> <li>Enter a valid password.</li> <li>Leave the "Confirm Password" field empty.</li> <li>Click the "Submit" button.</li> </ol> | An error message indicating E "Passwords must match".  QA - PASS                   |

| TC-27 | Passwords Do Not<br>Match | The "Reset<br>Password" form<br>is accessible. | 1. Enter a valid password. 2. Enter a different password in the "Confirm Password" field. 3. Click the "Submit" button                   | An error message indicating that the <b>"Passwords must match"</b> is displayed.  QA - PASS |
|-------|---------------------------|--|--|---|
| TC-28 | Password Too Short        | The "Reset<br>Password" form<br>is accessible. | 1. Enter a password shorter than 8 characters. 2. Enter the same password in the "Confirm Password" field. 3. Click the "Submit" button. | An error message indicating "Password must be at least 8 characters."  QA - PASS            |
| TC-29 | Expired Token             | The "Reset Password" form is accessible.       | 1. Enter an expired token. 2. Enter a valid password and confirm the password. 3. Click the "Submit" button.                             | An error message indicating "Timeout, Try Again!"  QA - PASS                                |
| TC-30 | Invalid Token             | The "Reset<br>Password" form<br>is accessible. | 1. Enter an invalid token. 2. Enter a valid password and confirm the password. 3. Click the "Submit" button.                             | An error message indicating "Something went wrong, Try Again!"  QA - PASS                   |
| TC-31 | SQL Injection<br>Attempt  | The "Reset<br>Password" form<br>is accessible. | 1. Enter a SQL injection attempt in the "Token" field. 2. Enter a valid password and confirm the   | Input is handled safely without executing SQL commands.  QA - PASS                          |

|  | password.<br>3. Click the "Submit" |  |
|--|------------------------------------|--|
|  | button.                            |  |

### **Administrator**

#### Booking Test Cases - Kamili Beach Resort

| Test<br>Case | Title                          | Preconditions                        | Steps  | Expected Result  |
|--------------|--------------------------------|--------------------------------------|--|--|
| TC-32        | Successful Room<br>Booking     | The room booking form is accessible. | <ol> <li>Select the desired room type.</li> <li>Select the check-in and check-out dates.</li> <li>Enter the required guest information.</li> <li>Click the "Book" button.</li> </ol> | Success message: "Booking confirmation message is displayed."  QA - PASS   |
| TC-33        | Missing Room Type<br>Selection | The room booking form is accessible. | <ol> <li>Leave the room<br/>type field empty.</li> <li>Fill in other<br/>required details.</li> <li>Click the "Book"<br/>button.</li> </ol>  | An error message indicating<br>a <b>"Please select a room</b><br>type."<br>QA - PASS                             |
| TC-34        | Invalid Date Selection         | The room booking form is accessible. | <ol> <li>Select a check-out date earlier than the check-in date.</li> <li>Fill in other required details.</li> <li>Click the "Book" button.</li> </ol>                               | An error message indicating "Check-out date must be after check-in date."  QA - PASS                             |
| TC-35        | Overlapping Bookings           | The room booking form is accessible. | <ol> <li>Attempt to book a room that is already booked for the selected dates.</li> <li>Fill in other required details.</li> <li>Click the "Book" button.</li> </ol>                 | An error message indicating that the <b>"Room is not available for selected dates."</b> is displayed.  QA - PASS |

| TC-36 | SQL Injection        | The room        | 1. Enter a SQL         | Input is handled safely                 |
|-------|----------------------|-----------------|------------------------|---|
|       | Attempt              | booking form is | injection attempt in   | without executing SQL                   |
|       |                      | accessible.     | any of the input       | commands.                               |
|       |                      |                 | fields.                | QA - PASS                               |
|       |                      |                 | 2. Click the "Book"    |   |
|       |                      |                 | button.                |   |
| TC-37 | Missing Guest        | The room        | 1. Leave the guest     | An error message indicating             |
|       | Information          | booking form is | information fields     | "Please provide all required            |
|       |                      | accessible.     | (e.g., name, email)    | guest information."                     |
|       |                      |                 | empty.                 | QA - PASS                               |
|       |                      |                 | 2. Select room type    | Q. 11100                                |
|       |                      |                 | and dates.             |   |
|       |                      |                 | 3. Click the "Book"    |   |
|       |                      |                 | button.                |   |
| TC-38 | Invalid Email Format | The room        | 1. Enter an invalid    | An error message indicating             |
|       |                      | booking form is | email format (e.g.,    | "Please enter a valid email<br>address" |
|       |                      | accessible.     | "user@com").           | address                                 |
|       |                      |                 | 2. Select room type    | QA - PASS                               |
|       |                      |                 | and dates.             |   |
|       |                      |                 | 3. Fill in other       |   |
|       |                      |                 | required details.      |   |
|       |                      |                 | 4. Click the "Book"    |   |
|       |                      |                 | button.                |   |
| TC-39 | Successful Room      | The room        | 1. Enter the booking   | Booking cancellation                    |
|       | Cancellation         | cancellation    | reference number.      | confirmation message is                 |
|       |                      | form is         | 2. Click the "Cancel   | displayed                               |
|       |                      | accessible.     | Booking" button.       | O) D) eg                                |
| TC-40 | Invalid Booking      | The room        | 1. Enter an invalid or | QA - PASS  An error message indicating  |
| 10-40 | Reference Number     | cancellation    | non-existent booking   | "Invalid booking reference              |
|       | Weigi effect Mailing | form is         | reference number.      | number."                                |
|       |                      | accessible.     | 2. Click the "Cancel   |   |
|       |                      | accessivie.     | Booking" button.       | QA - PASS                               |
| TC-41 | View Room Details    | The room        | 1. Select a room type  | Room details are displayed.             |
| 10-41 | VIEW KOOM Details    | details page is | from the available     | Noom detans are displayed.              |
|       |                      | accessible.     | list.                  | QA - PASS                               |
|       |                      | accessivie.     | 2. Click on "View      |   |
|       |                      |                 | Details"               |   |
|       |                      |                 | Details                |   |

| TC-42 | Unavailable Room  | The room        | 1. Attempt to book a     | An error message indicating                     |
|-------|-------------------|-----------------|--------------------------|---|
|       | Туре              | booking form is | room type that is        | "Selected room type is unavailable."  QA - PASS |
|       |                   | accessible.     | currently unavailable.   |   |
|       |                   |                 | 2. Select dates and fill |   |
|       |                   |                 | in other required        | QH-THOO   |
|       |                   |                 | details.                 |   |
|       |                   |                 | 3. Click the "Book"      |   |
|       |                   |                 | button.                  |   |
| TC-43 | Price Calculation | The room        | 1. Select a room type.   | Price is correctly calculated                   |
|       | Verification      | booking form is | 2. Select check-in and   | and displayed.                                  |
|       |                   | accessible.     | check-out dates.         |   |
|       |                   |                 | 3. Verify the price      | QA - PASS                                       |
|       |                   |                 | displayed.               |   |
|       |                   |                 | 4. Click the "Book"      |   |
|       |                   |                 | button.                  |   |
| TC-44 | Room Upgrade      | The room        | 1. Select a standard     | Upgrade is successful if                        |
|       | Request           | booking form is | room type.               | available; otherwise, an                        |
|       |                   | accessible.     | 2. Request an            | error message is shown.                         |
|       |                   |                 | upgrade.                 |   |
|       |                   |                 | 3. Verify upgrade        | QA - PASS                                       |
|       |                   |                 | availability.            |   |
|       |                   |                 | 4. Confirm upgrade       |   |
|       |                   |                 | and book.                |   |

#### Reservation Test Cases - Kamili Beach Resort

| Test  | Title                  | Preconditions   | Steps                  | Expected Result                |
|-------|------------------------|-----------------|------------------------|--------------------------------|
| Case  |                        |                 |                        |                                |
| TC-45 | Successful             | Reservation     | 1. Select the room     | Success message:               |
|       | Reservation            | form is         | type.                  | "Reservation confirmation      |
|       |                        | accessible      | 2. Choose check-in     | message is displayed."         |
|       |                        |                 | and check-out dates.   |                                |
|       |                        |                 | 3. Enter guest         | QA - PASS                      |
|       |                        |                 | information.           |                                |
|       |                        |                 | 4. Click "Reserve".    |                                |
| TC-46 | Missing Room Type      | Reservation     | 1. Leave the room      | An error message indicating    |
|       | Selection              | form is         | type field empty.      | "Please select a room type."   |
|       |                        | accessible.     | 2. Fill in other       |                                |
|       |                        |                 | required details.      | QA - PASS                      |
|       |                        |                 | 3. Click "Reserve".    | <u> </u>                       |
| TC-47 | Invalid Date Selection | Reservation     | 1. Select a check-out  | An error message indicating    |
|       |                        | form is         | date earlier than the  | "Check-out date must be        |
|       |                        | accessible.     | check-in date.         | after check-in date."          |
|       |                        |                 | 2. Fill in other       | QA - PASS                      |
|       |                        |                 | required details.      | QA-TAO                         |
|       |                        |                 | 3. Click "Reserve".    |                                |
| TC-48 | Overlapping            | Reservation     | 1. Attempt to reserve  | An error message indicating    |
|       | Reservation            | form is         | a room that is already | that the <b>"Room is not</b>   |
|       |                        | accessible.     | booked for the         | available for selected dates." |
|       |                        |                 | selected dates.        | is displayed.                  |
|       |                        |                 | 2. Fill in other       | QA - PASS                      |
|       |                        |                 | required details.      |                                |
|       |                        |                 | 3. Click "Reserve".    |                                |
| TC-49 | SQL Injection          | Reservation     | 1. Enter a SQL         | Input is handled safely        |
|       | Attempt                | form is         | injection attempt in   | without executing SQL          |
|       |                        | accessible.     | any of the input       | commands.                      |
|       |                        |                 | fields.                | QA - PASS                      |
|       |                        |                 | 2. Click "Reserve".    |                                |
| TC-50 | View Reservation       | The reservation | 1. Enter the booking   | Reservation cancellation       |

| Details | details page is accessible. | reference number.<br>2. Click "View Details". | confirmation message is displayed. |
|---------|-----------------------------|---|------------------------------------|
|         |                             |   | QA - PASS                          |