



# **Quality Assurance Report**

## **Test Cases**

## Login System

### Login Test Cases - Kamili Beach Resort

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

TC-05	Verify login failure with the <b>Password field left blank</b>	None	<ol style="list-style-type: none"> <li>1. Navigate to the login page.</li> <li>2. Enter a valid username.</li> <li>3. Leave the password field blank.</li> <li>4. Click the "Login" button.</li> </ol>	<p>An error message indicating that the <b>"Required fields are empty"</b> is displayed.</p> <p>QA - PASS</p>
TC-06	<b>Case Sensitivity (Password)</b>	None	<ol style="list-style-type: none"> <li>1. Open the login page</li> <li>2. Enter a valid username and password with a different case</li> <li>3. Click submit button</li> </ol>	<p>An error message indicating <b>"Invalid username or password"</b></p> <p>QA - PASS</p>
TC-07	<b>Case Sensitivity (Username)</b>	None	<ol style="list-style-type: none"> <li>1. Open the login page</li> <li>2. Enter a username with a different case and a valid password</li> <li>3. Click submit button</li> </ol>	<p>An error message indicating <b>"Invalid username or password"</b></p> <p>QA - PASS</p>
TC-08	Verify that the login system is protected against <b>SQL injection</b>	None	<ol style="list-style-type: none"> <li>1. Navigate to the login page.</li> <li>2. Enter an SQL injection string (e.g., "OR 1=1; --") in the username field.</li> <li>3. Enter any password.</li> <li>4. Click the "Login" button.</li> </ol>	<p>An error message indicating <b>"Invalid username or password"</b></p> <p>QA - PASS</p>
TC-09	<b>Empty Fields</b>	None	<ol style="list-style-type: none"> <li>1. Open the login page</li> <li>2. Leave username and password fields empty</li> <li>3. Click submit button</li> </ol>	<p>An error message indicating that <b>Required fields are empty</b></p> <p>QA - PASS</p>

## Signup Test Cases - Kamili Beach Resort

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

			First Name: THILI Last Name: Pathum NIC No: 123456789 Contact No: 0714280535 Username: thili Password: Password123 3. Click the "Register" button.	
TC-13	<b>Invalid Password Format</b>	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 <b>"password is too weak or invalid"</b> is displayed.  QA - PASS
TC-14	<b>Duplicate Username</b>	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	<b>Invalid Contact Number Format</b>	The signup form is accessible.	1. Enter an invalid contact number format: Contact No: 12345 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.	An error message indicating <b>"invalid contact number"</b>  QA - PASS
TC-16	<b>SQL Injection Attempt</b>	The signup form is accessible.	1. Open the login page 2. Enter a username with a different case and a valid password 3. Click submit button	<b>Input is handled safely without executing SQL commands</b>  QA - PASS

## Forgot Password Test Cases - Kamili Beach Resort

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

			sending failure. 3. Click the "Submit" button	QA - PASS
TC-23	<b>Token Generation Failure</b>	The "Forgot Password" form is accessible.	1. Enter a registered email address. 2. Simulate token generation failure. 3. Click the "Submit" button.	An error message indicating <b>"Something went wrong, Try Again!"</b>  QA - PASS

### Reset Password Test Cases - Kamili Beach Resort

Test Case	Title	Preconditions	Steps	Expected Result
TC-24	<b>Successful Password Reset</b>	The "Reset Password" form is accessible.	1. Enter a registered email address. 2. Click the "Submit" button.	Success message: <b>"Password updated. You can now login."</b>  QA - PASS
TC-25	<b>Missing Password Field</b>	The "Reset Password" form is accessible.	1. Leave the "Password" field empty. 2. Click the "Submit" button.	An error message indicating a <b>"Password must be at least 8 characters."</b>  QA - PASS
TC-26	<b>Missing Password Confirmation</b>	The "Reset Password" form is accessible.	1. Enter a valid password. 2. Leave the "Confirm Password" field empty. 3. Click the "Submit" button.	An error message indicating <b>"Passwords must match"</b> .  QA - PASS



TC-27	<b>Passwords Do Not Match</b>	The "Reset Password" form 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	<b>Password Too Short</b>	The "Reset Password" form 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 <b>"Password must be at least 8 characters."</b>  QA - PASS
TC-29	<b>Expired Token</b>	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 <b>"Timeout, Try Again!"</b>  QA - PASS
TC-30	<b>Invalid Token</b>	The "Reset Password" form 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 <b>"Something went wrong, Try Again!"</b>  QA - PASS
TC-31	<b>SQL Injection Attempt</b>	The "Reset Password" form is accessible.	1. Enter a SQL injection attempt in the "Token" field. 2. Enter a valid password and confirm the	<b>Input is handled safely without executing SQL commands.</b>  QA - PASS



			password. 3. Click the "Submit" button.	
--	--	--	---	--

## Administrator

### Booking Test Cases - Kamili Beach Resort

Test Case	Title	Preconditions	Steps	Expected Result
TC-32	<b>Successful Room Booking</b>	The room booking form is accessible.	<ol style="list-style-type: none"> <li>1. Select the desired room type.</li> <li>2. Select the check-in and check-out dates.</li> <li>3. Enter the required guest information.</li> <li>4. Click the "Book" button.</li> </ol>	Success message: <b>"Booking confirmation message is displayed."</b>  <b>QA - PASS</b>
TC-33	<b>Missing Room Type Selection</b>	The room booking form is accessible.	<ol style="list-style-type: none"> <li>1. Leave the room type field empty.</li> <li>2. Fill in other required details.</li> <li>3. Click the "Book" button.</li> </ol>	An error message indicating a <b>"Please select a room type."</b>  <b>QA - PASS</b>
TC-34	<b>Invalid Date Selection</b>	The room booking form is accessible.	<ol style="list-style-type: none"> <li>1. Select a check-out date earlier than the check-in date.</li> <li>2. Fill in other required details.</li> <li>3. Click the "Book" button.</li> </ol>	An error message indicating <b>"Check-out date must be after check-in date."</b>  <b>QA - PASS</b>
TC-35	<b>Overlapping Bookings</b>	The room booking form is accessible.	<ol style="list-style-type: none"> <li>1. Attempt to book a room that is already booked for the selected dates.</li> <li>2. Fill in other required details.</li> <li>3. Click the "Book" button.</li> </ol>	An error message indicating that the <b>"Room is not available for selected dates."</b> is displayed.  <b>QA - PASS</b>

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

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

## Reservation Test Cases - Kamili Beach Resort

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

---

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