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Name of Task: QA Test

Link:

https://qa-desk-demo.livelyworks.net/#!/login

Admin Login:

Username: demoadmin

Password: demopass12

Task:

Prepare the test plan & test cases for users (https://qa-desk-demo.livelyworks.net/#!/users) and User Roles (https://qa-desk-demo.livelyworks.net/#!/role-permissions) modules:

(NOTE: Recommended to generate edge cases (not only success scenario) & in addition to functionality test please also consider Design, Usability, Compatibility, Performance, SEO, Security tests.)

Test Cases: Users Module

Functionality Testing:

Test Case 1: Verify Successful User Login

- Description: Verify that users can log in with valid credentials.

- Preconditions: User is registered, and valid login credentials are available.

- Test Steps: Navigate to the application's login page, enter valid username and password, click the "Login" button.

- Expected Outcome: User should be logged in successfully and redirected to the dashboard.

Test Case 2: Validate Incorrect Login Attempt

- Description: Validate the handling of incorrect login attempts.

- Preconditions: User is registered.

- Test Steps: Navigate to the application's login page, enter invalid username or password, click the "Login" button.

- Expected Outcome: User should not be able to log in, and an appropriate error message should be displayed.

Test Case 3: Test User Registration

- Description: Test the registration process for new users.

- Test Steps: Navigate to the user registration page, enter valid registration details (name, email, password), click the "Register" button.

- Expected Outcome: New user account should be created successfully, and the user should be redirected to the login page.

Test Case 4: Test User Profile Update

- Description: Test the functionality to update user profile information.

- Preconditions: User is logged in.

- Test Steps: Navigate to the user profile page, modify user profile information, click the "Save" button.

- Expected Outcome: User profile information should be updated successfully.

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Design and Usability Testing:

Test Case 5: Verify Consistency in Design Elements

- Description: Verify that design elements are consistent throughout the application.

- Test Steps: Review various pages for consistent fonts, colors, and layout.

- Expected Outcome: Design elements should have a uniform appearance across the application.

Test Case 6: Test Responsiveness

- Description: Test the responsiveness of the application on different screen sizes.

- Test Steps: Access the application on desktop, tablet, and mobile devices.

- Expected Outcome: The application should adapt and display properly on all tested screen sizes.

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Compatibility Testing:

Test Case 7: Test on Different Browsers

- Description: Test the application's compatibility with different web browsers.

- Test Steps: Access the application using Chrome, Firefox, Safari.

- Expected Outcome: The application should function correctly and consistently across all tested browsers.

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Performance Testing:

Test Case 8: Test Response Times

- Description: Test the response times for various user actions.

- Test Steps: Perform actions like login, profile update, etc., and measure response times.

- Expected Outcome: The application should respond within an acceptable time frame for each action.

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Security Testing:

Test Case 9: Test for SQL Injection Vulnerabilities

- Description: Test the application for SQL injection vulnerabilities.

- Test Steps: Attempt to inject malicious SQL code into input fields.

- Expected Outcome: The application should prevent SQL injection and handle input securely.

Test Case 10: Test for Cross-Site Scripting (XSS) Vulnerabilities

- Description: Test the application for cross-site scripting vulnerabilities.

- Test Steps: Attempt to inject malicious scripts into input fields.

- Expected Outcome: The application should prevent XSS attacks and sanitize input.

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Test Cases: User Roles Module

Functionality Testing:

Test Case 11: Test Creation of New User Roles

- Description: Test the creation of new user roles with specific permissions.

- Test Steps: Navigate to the user roles management page, create a new role with specified permissions.

- Expected Outcome: New user role should be created with the assigned permissions.

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Design and Usability Testing:

Test Case 12: Verify User Role Assignment Flow

- Description: Verify the flow and usability of assigning user roles.

- Test Steps: Navigate to the user roles management page, assign a role to a user.

- Expected Outcome: The user role assignment process should be intuitive and user-friendly.

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Compatibility Testing:

Test Case 13: Test User Roles Functionality on Different Browsers and Devices

- Description: Test the functionality of user roles across different browsers and devices.

- Test Steps: Access the user roles management page using various browsers and devices.

- Expected Outcome: User roles functionality should work consistently across all tested environments.

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Security Testing:

Test Case 14: Verify Unauthorized Access Prevention

- Description: Verify that unauthorized users cannot access the user roles management page.

- Test Steps: Attempt to access the user roles management page without appropriate permissions.

- Expected Outcome: Unauthorized access should be denied, and a proper access control mechanism should be in place.

Test Case 15: Test for Proper URL Structures

- Description: Test the URL structures of user roles for SEO-friendliness.

- Expected Outcome: User roles URLs should follow a structure that is search engine-friendly.

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SEO Testing:

Test Case 16: Verify Proper HTML Structure and Meta Tags

- Description: Verify that the HTML structure and meta tags adhere to SEO best practices.

- Expected Outcome: HTML structure and meta tags should be optimized for search engine indexing.

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This set of test cases covers a wide range of scenarios for the "Users" and "User Roles" modules, ensuring a comprehensive QA testing process to identify and address potential issues in functionality, design, usability, compatibility, performance, security, and SEO aspects of the application.