

# **Smoke Tests**

## **LNU Scheduler**

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## Test Case 1: Homepage Loading

Objective: Verify the website homepage loads successfully and displays essential elements.

Procedure:

1. Open a web browser and navigate to the website's homepage URL.

Checklist:

1. The webpage loads without errors (e.g., no broken images or server error messages).
2. Core navigation elements are visible and clickable.

## Test Case 2: Basic Navigation

Objective: Verify users can navigate through the main sections of the website.

Procedure:

1. From the homepage, click on links for different sections of the website.
2. Verify each section loads successfully and displays the expected content.

Checklist:

1. All navigation links lead to the intended pages without errors.
2. Each section's content is relevant to its purpose and loads correctly.
3. The website layout is consistent across different pages.

## Test Case 3: User Sign-Up

Objective: Verify a new user can successfully register for an account.

Procedure:

1. Navigate to the sign-up page.
2. Enter valid information in all required fields (e.g., username, email, password).
3. Submit the sign-up form.

Checklist:

1. A success message is displayed confirming account creation.
2. User is automatically logged in to the website.

## Test Case 4: User Login

Objective: Verify a registered user can log in with valid credentials.

Procedure:

1. Navigate to the login page.
2. Enter a valid username and password.
3. Click the login button.

Checklist:

1. A success message is displayed confirming successful login.
2. The application redirects the user to a relevant page after login (e.g., dashboard, profile).

## Test Case 5: Schedule Creation

Objective: Verify a user can create a new schedule.

Procedure:

1. Navigate to the schedule creation page.
2. Enter required information for a new schedule.
3. Submit the schedule creation form.

Checklist:

1. A success message is displayed confirming schedule creation.
2. The newly created schedule is displayed in a schedule list.
3. The schedule details match the information entered during creation.

## Test Case 6: Schedule Viewing

Objective: Verify a user can view the details of a previously created schedule.

Procedure:

1. Navigate to the schedule list or management page.

2. Select a specific schedule to view.
3. Verify the schedule details page loads.

Checklist:

1. The schedule details page displays all the information associated with the chosen schedule.
2. The displayed information matches the original schedule created.

## Test Case 7: Schedule Editing

Objective: Verify a user can edit an existing schedule.

Procedure:

1. Navigate to the schedule list or management page.
2. Select a specific schedule to edit.
3. Locate the edit option for the chosen schedule.
4. Modify specific details of the schedule.
5. Submit the changes to the schedule.

Checklist:

1. The edit option for the chosen schedule is accessible.
2. The editing interface allows modifications to the desired schedule details.
3. A confirmation message is displayed after successful edits.
4. The updated schedule details are reflected in the schedule list and details page.

## Test Case 8: Schedule Deletion

Objective: Verify a user can delete an unwanted schedule.

Procedure:

1. Navigate to the schedule list or management page.
2. Select a specific schedule to delete.
3. Locate the delete option (confirmation might be required).
4. Confirm the deletion of the chosen schedule.

Checklist:

1. The delete option for the chosen schedule is accessible (may require confirmation).
2. A confirmation message appears before permanent deletion.
3. After confirmation, the deleted schedule is no longer displayed in the schedule list.

## Test Case 9: Event Creation within a Schedule

Objective: Verify a user can create a new event within an existing schedule.

Procedure:

1. Navigate to a specific schedule (where you want to create an event).
2. Locate the option to create a new event within that schedule.
3. Enter required information for the new event (e.g., title, description, date, time).
4. Submit the new event creation form.

Checklist:

1. The option to create a new event within the chosen schedule is accessible.
2. The event creation form allows input for essential event details.
3. A confirmation message is displayed after successful event creation.
4. The newly created event appears within the specific schedule it was created for.

## Test Case 10: Event Viewing within a Schedule

Objective: Verify a user can view the details of an existing event within a schedule.

Procedure:

1. Navigate to a specific schedule containing events.
2. Select a specific event within that schedule to view.
3. Verify the event details page loads and displays information.

Checklist:

1. Each event within the schedule has an option to be viewed individually.

2. The event details page displays all information associated with the chosen event.
3. The displayed information matches the details entered during event creation.

## Test Case 11: Event Editing within a Schedule

Objective: Verify a user can edit the details of an existing event within a schedule.

Procedure:

1. Navigate to a specific schedule containing events.
2. Select a specific event to edit.
3. Locate the edit option for the chosen event.
4. Modify specific details of the event (e.g., title, description, date, time).
5. Submit the changes to the event.

Checklist:

1. Each event within the schedule has an accessible edit option.
2. The event editing interface allows modifications to the desired event details.
3. A confirmation message is displayed after successful edits.
4. The updated event details are reflected within the schedule and the event details page.

## Test Case 12: Event Deletion within a Schedule

Objective: Verify a user can delete an unwanted event within a schedule.

Procedure:

1. Navigate to a specific schedule containing events.
2. Select a specific event to delete.
3. Locate the delete option for the chosen event (confirmation might be required).
4. Confirm the deletion of the chosen event.

Checklist:

1. The delete option for the chosen event is accessible (may require confirmation).
2. A confirmation message appears before permanent deletion.
3. After confirmation, the deleted event is no longer displayed within the schedule.

## Test Case 13: Accessing Settings Menu

Objective: Verify a user can access the settings menu from the website.

Procedure:

1. Log in to the website with a valid user account.
2. Locate the settings menu option (e.g., through profile icon, dedicated menu item).

Checklist:

1. The settings menu option is visible and accessible to the logged-in user.
2. Clicking on the settings menu leads to the designated settings page.

## Test Case 14: Changing Password

Objective: Verify a user can change their account password through the settings menu.

Procedure:

1. Navigate to the settings page.
2. Locate the password change section within the settings.
3. Enter the current password and a new desired password (meeting complexity requirements, if any).
4. Submit the password change request.

Checklist:

1. The settings page has a dedicated section for password changes.
2. The password change form requires entering the current password and a new password.
3. A confirmation message is displayed after successful password change.



4. The user can log in using the newly set password (optional: test with a temporary password).

## Test Case 15: Changing Email Address

Objective: Verify a user can change their registered email address through the settings menu.

Procedure:

1. Navigate to the settings page.
2. Locate the email change section within the settings.
3. Enter the current password and a new desired email address.
4. Submit the email change request (confirmation email might be required).

Checklist:

1. The settings page has a dedicated section for email changes.
2. The email change form requires entering the current password and a new email address.
3. A confirmation message appears requesting verification of the new email address (if applicable).
4. The user receives a confirmation email at the new address to complete the change (if applicable).

## Test Case 16: Customizing Schedule Appearance

Objective: Verify a user can change the visual appearance of their schedules (e.g., color themes, layout options).

Procedure:

1. Navigate to the settings page.
2. Locate the schedule appearance customization section within the settings.
3. Explore the available options for customizing schedule appearance.
4. Select a desired customization option (e.g., changing color theme).

Checklist:

1. The settings page has a section dedicated to schedule appearance customization.

2. The customization options are clearly presented and user-friendly.
3. Selecting a customization option reflects the changes in the user's schedule view (may require a page refresh).

## Test Case 17: Customizing Event Appearance

Objective: Verify a user can change the visual appearance of their events within schedules (e.g., color coding, font styles).

Procedure:

1. Navigate to the settings page.
2. Locate the event appearance customization section within the settings.
3. Explore the available options for customizing event appearance.
4. Select a desired customization option (e.g., changing event text color).

Checklist:

1. The settings page has a section dedicated to event appearance customization.
2. The customization options are clearly presented and user-friendly.
3. Selecting a customization option reflects the changes in the user's event view within schedules.

## Test Case 18: Event Notification Setup

Objective: Verify a user can enable or configure event notifications within the settings menu.

Procedure:

1. Navigate to the settings page.
2. Locate the event notification section within the settings.
3. Explore the options available for configuring event notifications (e.g., enabling/disabling, choosing notification method - email, pop-up).

Checklist:

1. The settings page has a dedicated section for event notification configuration.
2. The user has options to enable or disable event notifications.

3. If notification methods are selectable (e.g., email, pop-up), the options are clearly presented.
4. Any configuration changes are saved successfully (optional: verify saved settings persist after a page refresh).

## Test Case 19: Basic Page Loading

Objective: Verify core website pages load successfully and display content.

Procedure:

1. From the homepage, navigate to other critical website pages using navigation elements.

Checklist:

1. Each core page loads without errors and displays intended content.
2. Navigation elements are consistent and functional across all pages.
3. Basic page elements (e.g., text, images) are displayed correctly.

## Test Case 20: Error Handling

Objective: Verify the website displays a user-friendly error message for non-existent pages.

Procedure:

1. In the address bar, enter a URL for a non-existent page on the website.

Checklist:

1. The website displays an error message indicating the page cannot be found (e.g., 404 Not Found).
2. The error message is informative and user-friendly.
3. The user has options to navigate back to the homepage or other relevant sections.

## Test Case 21: Browser Compatibility

Objective: Verify the website displays and functions correctly on different popular web browsers.

Procedure:

1. Open the website on different web browsers (e.g., Chrome, Firefox, Safari, Edge).

Checklist:

1. The website layout and content are consistent across all tested browsers.
2. Core functionalities (e.g., navigation, clicking buttons) work as expected on each browser.
3. There are no major visual inconsistencies or display errors across browsers.

## Test Case 22: Mobile Responsiveness

Objective: Verify the website layout and functionalities adapt and function correctly on mobile devices.

Procedure:

1. Open the website on a mobile device or a mobile emulator.

Checklist:

1. The website layout adjusts to fit the smaller screen size.
2. Text and images are readable and sized appropriately for mobile viewing.
3. Navigation elements and buttons are accessible and functional on a touch screen.

## Test Case 23: Visual Consistency (Basic)

Objective: Verify basic consistency in visual elements across different website pages.

Procedure:

1. Visit a few key website pages (homepage, login, contact).

Checklist:

1. Fonts used for text are consistent across pages.
2. The website's color scheme is consistent throughout.

3. Basic button styles and formatting are maintained across different pages.

## Test Case 24: HTTPS Encryption (Basic)

Objective: Verify the website uses HTTPS encryption for secure communication (look for a padlock symbol in the address bar).

Procedure:

1. Open the website in a web browser.

Checklist:

1. The website URL starts with "https://" instead of "http://". (Optional: Look for a padlock symbol in the address bar).

(Optional)

## Test Case 25: Basic Page Load Speed

Objective: Measure the loading time of critical pages to ensure a baseline for acceptable performance.

Procedure:

1. Use a website speed testing tool to measure the loading time of the homepage and login page.

Checklist:

1. The loading time for critical pages meets a baseline performance standard (consider industry benchmarks or user expectations).
2. The website feels responsive and doesn't have excessive loading delays.

## Test Case 26: Basic Accessibility Compliance

Objective: Verify the website's code adheres to basic accessibility standards.

Procedure:

1. Use an accessibility testing tool or online validator to check the website's code for accessibility issues (e.g., proper use of alt tags for images).

Checklist:

1. The website code has minimal accessibility errors or warnings.
2. Images have descriptive alt tags to improve accessibility for visually impaired users.

## Test Case 27: Link and Redirect Integrity

Objective: Ensure that all internal links and redirects on the website function correctly without leading to dead ends or wrong pages.

Procedure:

1. Use a tool to crawl the website and identify any broken links or improper redirects.
2. Manually check key navigational links across the site.
3. Correct any issues found and verify the solutions.

Checklist:

1. No broken links or improper redirects are found during both automated and manual testing.
2. All corrected links and redirects function as intended.
3. Navigation aids in user engagement and satisfaction.

## Test Case 28: Basic Transaction Security

Objective: Ensure that basic financial transactions on the website are secure and data privacy is maintained.

Procedure:

1. Perform a small transaction, such as purchasing a subscription or paid feature.
2. Monitor the transaction process for security features like SSL encryption.

3. Verify that sensitive information, such as credit card numbers, is not stored in plaintext.

Checklist:

1. Transactions are completed using a secure connection.
2. Sensitive user information is handled and stored securely.
3. Users receive appropriate confirmations and receipts for their transactions.

## Test Case 29: Basic Data Persistence

Objective: Verify user-specific data persists after a page refresh on applicable webpages.

Procedure:

1. Log in to the website using a valid user account.
2. Navigate to a webpage where you can add or modify user-specific data (e.g., profile settings).
3. Add or modify some data using the provided options.
4. Refresh the current webpage.

Checklist:

1. The user-specific data entered or modified remains persistent after the page refresh.
2. The website retains the user's data and reflects it in the appropriate sections.
3. Data persistence is limited to functionalities designed for user-specific data storage.

## Test Case 30: Basic User Interface (UI) Responsiveness

Objective: Verify basic UI elements respond to user interactions as expected.

Procedure:

1. Visit a webpage containing interactive UI elements (e.g., menus, buttons, dropdown lists).
2. Use your mouse or cursor to hover over interactive elements.

3. Click on buttons and interact with other UI elements.

Checklist:

1. Hovering over interactive elements triggers visual changes (e.g., highlighting, hover text).
2. Clicking buttons or using UI elements results in the expected actions (e.g., menu opening, form submission).
3. There are no major delays or unresponsive behavior when interacting with UI elements.

## Test Case 31: User Logout

Objective: Verify a logged-in user can successfully log out of the website.

Procedure:

1. Log in to the website using a valid user account.
2. Locate the logout option within the user account menu or website header (if applicable).
3. Click on the logout option.

Checklist:

1. Clicking the logout option successfully logs the user out of the website.
2. The user is redirected to the login page or a confirmation message is displayed.
3. User account functionalities (e.g., viewing profile information) are no longer accessible after logout.