XLTS TEST DOCUMENT

Test Case ID	Test Case Name	Objective	Pre-condition	Test Steps	Expected Result	Actual Result
1	Sign Up	Verify that a new user can sign up with a valid email and password.	User does not have an existing account.	1. Navigate to the sign-up page. 2. Enter a valid email and password. 3. Click "Sign Up".	User is registered successfully and redirected to the dashboard page.	User is redirected to the login page.
2	Sign In	Verify that a registered user can log in using correct credentials.	User has an existing account.	1. Navigate to the login page. 2. Enter valid email and password. 3. Click "Sign In".	User should be logged in and redirected to the dashboard.	User is redirected to the dashboard.
3	Add Valid Node	Verify that a valid node can be added to the onboarding list.	User is logged in and in the node onboarding section.	1. Enter a valid node ID (e.g., "NodeID-1"). 2. Enter a valid IP address (e.g., "192.168.1.1"). 3. Click "ADD NODE".	The node is successfully added to the list.	Node is added successfully.
4	Add Valid Wallet	Verify that a valid wallet can be added with the correct permission type.	User is logged in and in the wallet onboarding section.	1. Enter a valid wallet address (e.g., "0x88fa61d2faA13aad8Fbd5B030372B4A159BbbDFb"). 2. Select permission type. 3. Click "ADD WALLET".	Wallet is successfully added to the list.	Wallet is added successfully.
5	Add Multiple Wallets	Verify that multiple wallets can be added successfully.	User is logged in and in the wallet onboarding section.	1. Add multiple valid wallets. 2. Click "NEXT".	Multiple wallets are added and displayed.	All wallets appear in the list.
6	Create Private Blockchain	Verify that a new private blockchain can be created with a network name and wallet address.	User is logged in and in the blockchain creation section.	1. Enter a valid network name. 2. Enter a valid wallet address. 3. Click "NEXT" and proceed. 4. Click "SUBMIT".	A new private blockchain is created successfully.	Blockchain is created successfully.
7	Sign Out	Verify that the user can sign out successfully.	User is logged in.	1. Click the "Sign Out" button.	User is logged out and redirected to the login page.	User is redirected to the login page.
8	UI Consistency	Verify that the application has consistent design and layout across pages.	User is logged in.	1. Navigate through Dashboard pages	The design/layout remains consistent throughout the application.	Design/layout is consistent.
9	Error Message Display	Verify that error messages are displayed	User is logged in.	1. Enter invalid data in required fields (e.g., incorrect node ID or wallet address).	Error messages should be clear and appropriately	Error messages are clear and shown.

		clearly for invalid inputs.			displayed for each invalid field.	
10	Password Strength Test	Verify that the application enforces strong password requirements.	User is on the sign-up page.	1. Enter a weak password.	Error message indicating the password is too weak and cannot be submitted.	Error message is displayed.
				2. Attempt to sign up.		
11	Response Time Test	Verify that the application responds in a reasonable time for each action.	User is logged in.	1. Perform a series of actions like adding nodes, wallets, submitting requests, etc.	Response time should be under 3 seconds for most actions.	Response time is under 3 seconds.
12	Cross-Browser Compatibility	Verify that the application works across different browsers.	User is logged in.	1. Open the application on different browsers Chrome.	The application should function correctly across all tested browsers.	Functionality works on all browsers.
13	User Journey Usability	Verify that users can navigate through the app easily and intuitively.	User is logged in.	1. Start at the "Onboard Nodes" section.	The process should be intuitive and easy to follow.	Navigation is intuitive.
				2. Proceed through all steps until completion.		
14	Add Multiple Wallets	Verify that multiple wallets can be added successfully.	User is logged in and in the wallet onboarding section.	1. Add multiple valid wallets.	Multiple wallets are added and displayed.	All wallets appear in the list.
				2. Click "NEXT".		
15	Add Multiple Nodes	Verify that multiple nodes can be added to the node list.	User is logged in and in the node onboarding section.	1. Add multiple nodes with valid Node IDs and IPs.	All added nodes should appear in the list.	All nodes appear in the list.
				2. Click "NEXT".		

Edge Case Test Cases

Test Case ID	Test Case Name	Objective	Pre-condition	Test Steps	Expected Result	Pass/Fail Criteria
1	Sign Up with Invalid Email Format	Verify that an invalid email format triggers an error.	User does not have an existing account.	1. Navigate to the sign-up page. 2. Enter an invalid email. 3. Enter a valid password. 4. Click "Sign Up".	Error message displayed indicating the email format is invalid.	Error message is shown.

2	Sign In with Incorrect Password	Verify that the system prevents login with incorrect password.	User has an existing account.	1. Navigate to the login page.	Error message displayed: "Incorrect email or password".	Error message is shown.
				2. Enter valid email.		
				3. Enter incorrect password.		
				4. Click "Sign In".		
3	Add Node with Invalid Node ID	Verify that an invalid node ID format cannot be added.	User is logged in and in the node onboarding section.	1. Enter an invalid node ID (e.g., "InvalidID").	Error message displayed indicating invalid node ID.	Error message is shown.
				2. Enter a valid IP address.		
				3. Click "ADD NODE".		
4	Add Node with Invalid IP Address	Verify that an invalid IP address format is rejected.	User is logged in and in the node onboarding section.	1. Enter a valid node ID.	Error message displayed indicating invalid IP address.	Error message is shown.
				2. Enter an invalid IP address (e.g., "999.999.999.999").		
				3. Click "ADD NODE".		
6	Add Invalid Wallet Address	Verify that an invalid wallet address triggers an error message.	User is logged in and in the wallet onboarding section.	1. Enter an invalid wallet address (e.g., "0xInvalidAddress").	Error message displayed indicating invalid wallet address.	Error message is shown.
				2. Select permission type.		
				3. Click "ADD WALLET".		