

Task

Create a test suite for functional and non-functional testing of a authorization form.  
The form has two input fields: login and password.  
Also a "Sign in" button to confirm login.

Test Suite ID	Test Case ID	Priority	Module	Summary	Preconditions	Test data	Steps	Expected Result	Remarks
Functional tests									
TS-01	TC-01	High	Authorization form	Successful user authorization using valid data	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system	1. "Login" field: test_login 2. "Password" field: test_pw	1. Enter the value from the test data in the "Login" field; 2. Enter the value from the test data in the "Password" field; 3. Click the "Sign in" button	1. The entered value is displayed in the "Login" field; 2. The entered value is displayed in the "Password" field; 3. The user is authorised to the system. The user's personal cabinet is displayed	
	TC-02	High	Authorization form	Unsuccessful authorization of a user using invalid data	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system	1. "Login" field: test_login123 2. "Password" field: test_pw	1. Enter the value from the test data in the "Login" field; 2. Enter the value from the test data in the "Password" field; 3. Click the "Sign in" button	1. The system displays (or should display) the error message "Invalid login or password" 2. User is not authorised to the system	
	TC-03	High	Authorization form	Unsuccessful authorization of a user using invalid data	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system	1. "Login" field: test_login 2. "Password" field: test_pw123	1. Enter the value from the test data in the "Login" field; 2. Enter the value from the test data in the "Password" field; 3. Click the "Sign in" button	1. The system displays (or should display) the error message "Invalid login or password" 2. User is not authorised to the system	
	TC-04	High	Authorization form	Unsuccessful authorization of unregistered user	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system	1. "Login" field: test_login 2. "Password" field: test_pw	1. Enter the value from the test data in the "Login" field; 2. Enter the value from the test data in the "Password" field; 3. Click the "Sign in" button	1. The system displays (or should display) the error message "User with this login is not registered" 2. User is not authorised to the system	
	TC-05	High	Authorization form	Unsuccessful authorization of user with incomplete fields	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system	1. "Login" field: test_login	1. Enter the value from the test data in the "Login" field; 2. Click the "Sign in" button	1. The "Sign in" button is inactive 2. User is not authorised to the system	
	TC-06	High	Authorization form	Unsuccessful authorization of user with incomplete fields	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system	1. "Password" field: test_pw	1. Enter the value from the test data in the "Password" field; 2. Click the "Sign in" button	1. The "Sign in" button is inactive 2. User is not authorised to the system	
	TC-07	High	Authorization form	Unsuccessful authorization of user with incomplete fields	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system		1. Click the "Sign in" button	1. The "Sign in" button is inactive 2. User is not authorised to the system	
Non-functional tests									
User interface testing									
	TC-08	Low	Authorization form	The "Sign in" button changes colour on mouseover	1. The "Name.com" site is open 2. User authorization form is opened		1. Hover the cursor over the "Sign in" button.	1. The "Sign in" button has changed colour	
	TC-09	Low	Authorization form	The "Sign in" button plays a loading animation after click	1. The "Name.com" site is open 2. User authorization form is opened	1. "Login" field: test_login 2. "Password" field: test_pw	1. Enter the value from the test data in the "Login" field; 2. Enter the value from the test data in the "Password" field; 3. Click the "Sign in" button.	1. The "Sign in" button plays a loading animation	
Performance testing									
	TC-10	High	Authorization form	The response time should not exceed 2000 ms	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system	1. "Login" field: test_login 2. "Password" field: test_pw	1. Enter the value from the test data in the "Login" field; 2. Enter the value from the test data in the "Password" field; 3. Launch "Devtools" (F12); 4. Open the "Network" tab; 5. Click "Clear network log" (Ctrl+L); 6. Click the "Sign in" button.	In the "Time" tab the value is not more than 2000 ms	
Compatibility testing									
	TC-11	Low	Authorization form	Authorization form works correctly on all 3 browsers	1. Chrome, Firefox and Edge browsers installed 2. User is registered in the system		1. Open "Name.com" and go to the "Authorization form" in the Chrome browser; 2. Verify that the functionality is working correctly; 3. Close Chrome; 4. Repeat the same steps for the Firefox and Edge browser.	The site works correctly on all 3 browsers	
Security testing									
	TC-12	High	Authorization form	Authorization from a country suspicious for the service	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system 4. VPN software is installed	1. "Login" field: test_login 2. "Password" field: test_pw 3. "Account mail" test_login@dma il.com	1.Start the VPN, set the country to "USA", make sure the location has been changed on the site: https://whoer.net/ 2. Open the "Name.com" website and go to the authorization form 3. Enter the value from the test data in the "Login" field; 4. Enter the value from the test data in the "Password" field; 5. Click the "Sign in" button; 6. Check the message on the account mail.	1. The system displays the error message: "For security reasons we have sent an authorization code to your email, please enter the authorization code to continue" 2. The authorization code field is displayed 3. Message with authorization code sent to the account mail	
	TC-13	High	Authorization form	Checking the number of attempts to enter invalid data	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system	1. "Login" field: test_login 2. "Password" field: test_pw125 3. "Account mail" test_login@dma il.com	1. Enter the value from the test data in the "Login" field; 2. Enter the value from the test data in the "Password" field; 3. Click the "Sign in" button 4. Repeat the steps above until the system displays the following message: "you have exceeded the number of login attempts, for security reasons your account is blocked, detailed instructions are sent to your mail".	1. The system displays (or should display) the error message "Invalid login or password" 2. User is not authorised to the system 3. The number of login attempts does not exceed 15 times 4. instruction message sent to account mail	
Localisation testing									
	TC-14	Medium	Authorization form	Check correct display on Russian localisation	1. The "Name.com" site is open 2. User authorization form is opened 3. User is registered in the system	1. "Login" field: test_login 2. "Password" field: test_pw	1. Change EN localisation of the site to RU 2. Visually assess the correctness of layout, correctness of font display 3. Enter the value from the test data in the "Логин" field; 4. Enter the value from the test data in the "Пароль" field; 5. Click the "Войти" button	1. All site functions work correctly in the selected language. 2. The translation and its display are correct	
Usability testing									
	TC-15	Medium	Authorization form	Check the interface design for usability	1. The "Name.com" site is open 2. User authorization form is opened		1. Pay attention to the interface design 2. Pay attention to usability	1. The interface is intuitive and logical 2. It is easy to use the authorization form	
	TC-16	Low	Authorization form	Check virtual keyboard operation	1. The "Name.com" site is open 2. User authorization form is opened		1. Start the virtual keyboard 2. Enter values using the virtual keyboard. 3. Pay attention to the correct operation	1. The entered values correspond to the keys pressed 2. The virtual keyboard works correctly on the website	