

Test Case

A sample of functional test cases designed for the Authentication Module. This suite demonstrates Positive Testing (Valid Credentials), Negative Testing (Invalid Password), and Input Validation (Empty Fields).

Key Validations:

- Verifying API response status (200 OK vs 401 Unauthorized).
- Ensuring correct JWT token generation upon success.
- Validating UI error messages for better user experience.

Executed on Swag Labs (SauceDemo) environment to practice realistic e-commerce authentication flows.

Test Case ID	TC-AUTH-001
Scenario	Verify successful login with valid credentials
Test Steps	<ol style="list-style-type: none">Enter valid username.Enter valid password.Click "Login" button.
Test Data	User: standard_user Pass: secret_sauce
Expected Result	<ol style="list-style-type: none">System returns API Status 200.User receives access token (JWT).Redirects to Dashboard.
Status	PASS

Test Case ID	TC-AUTH-003
Scenario	Verify login fails with correct username but wrong password
Test Steps	<ol style="list-style-type: none">Enter registered username.Enter incorrect password.Click "Login" button.
Test Data	User: invalid_user Pass: wrong_pass
Expected Result	<ol style="list-style-type: none">System returns API Status 401 (Unauthorized).Error message displayed.User remains on Login page.
Status	PASS

Test Case ID	TC-AUTH-007
Scenario	Verify login fails when input fields are empty
Test Steps	<ol style="list-style-type: none">1. Leave username field empty.2. Leave password field empty.3. Click "Login" button.
Test Data	User: [Blank] Pass: [Blank]
Expected Result	<ol style="list-style-type: none">1. System validates required fields.2. Warning message "Username is required" is displayed.
Status	PASS