Test Case Report – SauceDemoAutomationSuite

Part 1: UI Testing – SauceDemo

Feature 1: Login Functionality

Test Case ID	Title	Description	Expected Result	Automated
TC_UI_001	Valid Login	Login with correct username and password	Redirected to inventory page	Yes
TC_UI_002	Invalid Login, Wrong Password	Login with correct username and incorrect password	Error message shown	Yes
TC_UI_003	Locked-Out User	Login with locked_out_user credentials	Error: "Epic sadface: Sorry, this user has been locked out."	Yes
TC_UI_004	Empty Fields	Attempt login with no username or password	Error message shown	No
TC_UI_005	Username Case Sensitivity	Enter uppercase/lowercase mismatch in username	Login fails, error shown	No

Feature 2: Cart Functionality

Test Case ID	Title	Description	Expected Result	Automated
Cart_E2E_001	Full Cart Flow	Add item → verify badge → go to cart → check → remove → verify empty	Item shown in cart, removed successfully, cart empty	Yes
TC_UI_010	Add Multiple Products	Add 3 items to cart and verify contents and badge	3 items shown in cart, badge = 3	Yes
TC_UI_011	Navigate to Empty Cart	Go to cart with no items added	Cart page loads, no items listed	No
TC_UI_012	Cart Badge Initially Hidden	Login, do not add anything, check for cart badge	Cart badge not visible	No
TC_UI_013	Verify Item Order	Add multiple items in order, verify order in cart	Items appear in added order	No

Part 2: API Testing – Swagger Petstore

Endpoint: POST /pet

Test Case ID	Title	Description	Expected Result	Automated
TC_API_001	Add Valid Pet	Add a new pet with valid JSON body	200 OK, pet data confirmed	Yes
TC_API_002	Invalid ID Type	Send string instead of integer for ID	400 Bad Request or 404 Not Found (API quirk)	Yes
TC_API_003	Missing Required Field	Omit required field like name	400 Bad Request or 404 Not Found (API quirk)	Yes
TC_API_004	Duplicate ID	Re-submit pet with same ID	200 OK or update behavior confirmed	No

Endpoint: GET /pet/{petId}

Test Case ID	Title	Description	Expected Result	Automated
TC_API_005	Get Valid Pet	Retrieve existing pet by ID	200 OK, correct pet details shown	Yes
TC_API_006	Pet Not Found	Try to retrieve non-existent pet	404 Not Found	Yes
TC_API_007	Invalid ID Format	Send string instead of number in ID	400 Bad Request	No
TC_API_008	Negative ID	Send negative ID to endpoint	404 Not Found or 400 depending on spec	No

Note: Due to limitations in the Swagger Petstore API, schema validation errors (e.g., invalid ID types or missing fields) may return a 404 Not Found instead of a proper 400 Bad Request. The test expectations have been adjusted accordingly.