

Web Automation QA Assignment

Objective

Automate two real-world scenarios on a live e-commerce site to assess:

UI interaction skills

Dynamic filtering

Cart validation

Conditional screenshot capture

Test Website

 <https://www.saucedemo.com/>

Credentials to use:

Username: `standard_user`

Password: `secret_sauce`

Test Case 1: Successful Purchase Flow

✅ Automate and validate a complete login and purchase flow with cart price validation.

Steps:

Navigate to `https://www.saucedemo.com/`

Log in using the credentials provided above.

From the **product list**:

Apply the “**Price (low to high)**” filter

Programmatically identify the **2 most expensive items** (i.e., reverse the sorted list)

Add these 2 products to the cart

Go to the **Cart page**

Validate that **exactly 2 items** are added

Calculate and **verify** that the total sum of the individual item prices equals the expected total

Proceed to **Checkout**

Enter:

First Name: `John`

Last Name: `Doe`

Postal Code: `226001`

Continue through to the final confirmation page.

Assert that the final page contains the message: **"THANK YOU FOR YOUR ORDER"**

If this message is present, take a screenshot and save it as: `purchase_success.png`

Test Case 2: Login Failure

✗ Test behavior on invalid login and capture appropriate output

Steps:

Open `https://www.saucedemo.com/`

Enter incorrect credentials:

Username: `invalid_user`

Password: `wrong_pass`

Click the **Login** button

Verify:

An error message appears (e.g., “Epic sadface: Username and password do not match...”)

Log `"Login failed as expected with invalid credentials"` to console

Take a screenshot named: `login_failed.png`

What to Submit

✓ Selenium test script (`.py`, `.java`, or `.js`)

✓ Screenshot `purchase_success.png`

✓ Screenshot `login_failed.png`

✓ A README.txt with:

Language used

Selenium version

Steps to run your script

|