

## Project Assignment: "E-Commerce Site Price Tracker & Reporter"

Build a small Selenium automation framework that:

- Logs into a e-commerce site
- Searches for a list of products
- Extracts their current prices
- Writes the output to an Excel file
- Follows good code structure and hygiene

### ✓ Functional Requirements:

#### 1. Login Automation:

- Automate login to this demo site: <https://www.saucedemo.com/>
- Use username: standard\_user and password: secret\_sauce
- Negative Test Case : Create a invalid test case where user is not able to login due to invalid password and verifies the Error message from the webpage

#### 2. Product Price Extraction:

- After login → Sort the Products by highest to lowest Price Filter
- Extract below details for all the products from page 1:
  - Product Name
  - Product Price
  - Product Description
- Store this data in a structured format.

#### 3. Excel Report Generation:

- Write the extracted data into an Excel file.

- Include columns: Product Name, Price, Description, and Timestamp.

### ✓ Framework Requirements:

1. Project Structure should follow the below format :

ECOM Price Tracker:

```
|
|— config/
|   |— config.py      # URL, credentials, etc.
|— pages/
|   |— login_page.py
|   |— product_page.py
|— tests/
|   |— test_price_tracker.py
|— utils/
|   |— excel_writer.py
|   |— logger.py
|— main.py
|— requirements.txt
|— README.md
```

NOTE :

1. Create the Project Repo “TestECOMSite” Repo in the GIT.
2. Make the Repository public
3. Share the Repository Link