

Flash Assignment Quality Assurance

Task 4 - Web Automation (Selenium)

Repository Link - <https://github.com/ManeneTembisa/selenium-demowebshop>

The screenshot shows the GitHub repository page for 'selenium-demowebshop' by user 'ManeneTembisa'. The repository is public and has 1 branch and 0 tags. The commit history shows a recent commit by ManeneTembisa adding a README file 29 minutes ago. The file list includes .idea, src, .gitignore, README.md, and pom.xml. The README file is open, showing the title 'Selenium Demo Web Shop Automation' and a description: 'This repository contains automated test scripts for the Demo Web Shop website using Selenium, Java, and TestNG.' The README also includes 'Setup Instructions' (clone, open in IntelliJ IDEA, install dependencies, run tests), 'Features Automated' (User Registration & Login, Browsing Products, Sorting & Adding Products to Cart, Checkout & Order Validation), and a 'Repository Link' pointing to the GitHub Repo. The right sidebar shows 'About' (No description, website, or topics provided), 'Releases' (No releases published), 'Packages' (No packages published), 'Languages' (Java 100.0%), and 'Suggested workflows' (Scala, SLSA Generic generator, Publish Java Package with Gradle).

selenium-demowebshop Public

main 1 Branch 0 Tags

Go to file Add file Code

ManeneTembisa Added README file 98c43ea · 29 minutes ago 2 Commits

File	Commit	Time
.idea	Initial commit - Selenium automation project	1 hour ago
src	Initial commit - Selenium automation project	1 hour ago
.gitignore	Initial commit - Selenium automation project	1 hour ago
README.md	Added README file	29 minutes ago
pom.xml	Initial commit - Selenium automation project	1 hour ago

README

Selenium Demo Web Shop Automation

This repository contains automated test scripts for the Demo Web Shop website using Selenium, Java, and TestNG.

Setup Instructions

- Clone the repository: `git clone https://github.com/ManeneTembisa/selenium-demowebshop.git`
- Open the project in IntelliJ IDEA.
- Install dependencies:
- Run tests:

Features Automated

- User Registration & Login
- Browsing Products (Computers, Desktops)
- Sorting & Adding Products to Cart
- Checkout & Order Validation

Repository Link

[GitHub Repo](#)

About No description, website, or topics provided.

Releases No releases published. [Create a new release](#)

Packages No packages published. [Publish your first package](#)

Languages Java 100.0%

Suggested workflows Based on your tech stack

- Scala** Build and test a Scala project with SBT. [Configure](#)
- SLSA Generic generator** Generate SLSA3 provenance for your existing release workflows. [Configure](#)
- Publish Java Package with Gradle** Build a Java Package using Gradle and publish to GitHub Packages. [Configure](#)

[More workflows](#) [Dismiss suggestions](#)

Bonus Task: Bug Report & Negative Testing for Demo Web Shop

Bugs Found on the Website - <https://demowebshop.tricentis.com/>

Bug ID	Bug Description	Severity	Status	Steps to Reproduce	Expected Behavior	Actual Behavior
BUG-001	Registration allows duplicate emails	High	Open	1. Go to Register page 2. Enter an already registered email 3. Submit the form	Should show an error saying "Email already exists"	No error shown, allows duplicate registration
BUG-002	Cart does not update correctly after item removal	High	Open	1. Add multiple items to cart 2. Remove an item 3. Check total price	Total price should update correctly	Total price remains the same or updates incorrectly
BUG-003	Sorting products does not work properly	Medium	Open	1. Navigate to Desktops category 2. Try sorting products by price	Products should be sorted correctly	Sorting does not change product order properly
BUG-004	Checkout allows proceeding without agreeing to terms	High	Open	1. Add items to cart 2. Proceed to checkout without selecting "I agree to terms" checkbox	Should prevent checkout until checkbox is selected	Allows proceeding without agreement
BUG-005	Invalid ZIP Code accepted in shipping	Medium	Open	1. Select Canada as country 2. Enter invalid ZIP (e.g., 0000)	Should show error for invalid ZIP code	Allows invalid ZIP
BUG-006	Login allows blank email submission	High	Open	1. Go to Login page 2. Submit the form without entering an email	Should show an error message	No validation message displayed

Negative Testing Scenarios

Test Case	Steps to Execute	Expected Result	Actual Result	Pass/Fail
Invalid Email Format	Enter test@com in the email field and try registering	Should display "Invalid email format" error	Allows registration without validation	✗ Fail
Exceeding Character Limit in Fields	Enter 300+ characters in name fields and submit	Should prevent submission with an error	Accepts long inputs	✗ Fail
Cart Update with Negative Quantity	Change item quantity in the cart to -1 and update	Should prevent negative quantities	Allows updating cart with -1 quantity	✗ Fail
Checkout with Expired Card	Use a past expiry date for the payment	Should reject the transaction	Allows processing the expired card	✗ Fail
SQL Injection Attempt	Enter 'OR 1=1 -- in the login email field	Should sanitize input and reject it	No proper validation	✗ Fail