

EBAY AUTOMATION TESTING USING SELENIUM AND TESTNG FRAMEWORK

UNDER GUIDANCE OF MRS. VAISHALI SONAWANE MAM.

INTRODUCTION :

- Ebay is one of the world's biggest online shopping and auction websites where users can buy and sell products globally.
- In this project, I have automated some of the core functionalities of Ebay using Selenium WebDriver with Java and TestNG.
- This automation framework helps in validating login, product search, add to cart, profile change, and shopping category browsing.
- Automation reduces manual effort, provides faster test execution, and ensures the website is working as expected.



MEMBER(S) OF TEAM

- Hemant Manohar Bhase(individual)

RESPONSIBILITIES

- ❑ I developed the automation framework.
- ❑ I wrote test scripts using Selenium and TestNG.
- ❑ I executed all test cases and validated results.
- ❑ I reported defects found during automation testing.

OVERVIEW

- **What is Ebay?**

- Ebay is an ecommerce platform for buying and selling new and used products worldwide.
- Users can search items, add them to cart, purchase them, and manage their account settings.

- **Why automate ebay?**

- **Automation** ensures reliability of login and shopping **workflows**.
- Helps test multiple search scenarios quickly.
- **Validates** cart operations and user account changes.



MODULES

✓ **Module 1 : Login page**

- Tested login with valid credentials.
- Tested login with invalid usernames and passwords.
- Verified successful login redirects to Ebay homepage.

✓ **Module 2 : Multiple Search**

- Searched various items like *laptop, headphones, camera*.
- Verified that results are displayed according to query.
- Checked result page.

✓ **Module 3 : Add to Cart & Remove from Cart**

- Selected a product from search results.
- Added it to cart successfully.
- Verified item can be removed after adding.



✓ **Module 4 : Change Login Name**

- Navigated to account settings.
- Edited the username.
- Verified if changes are reflected.

• **Module 5 : Change address**

- Edited the registered address in profile information.
- Updated city, postal code, and verified saving.

✓ **Module 6 : Shop by Category**

- Selected categories from dropdown.
- Navigated to sub-categories.
- Verified the category-specific product listing.

✓ **Module 7 : Shop by All Categories**

- Selected “All Categories”.
- Browsed different product sections.



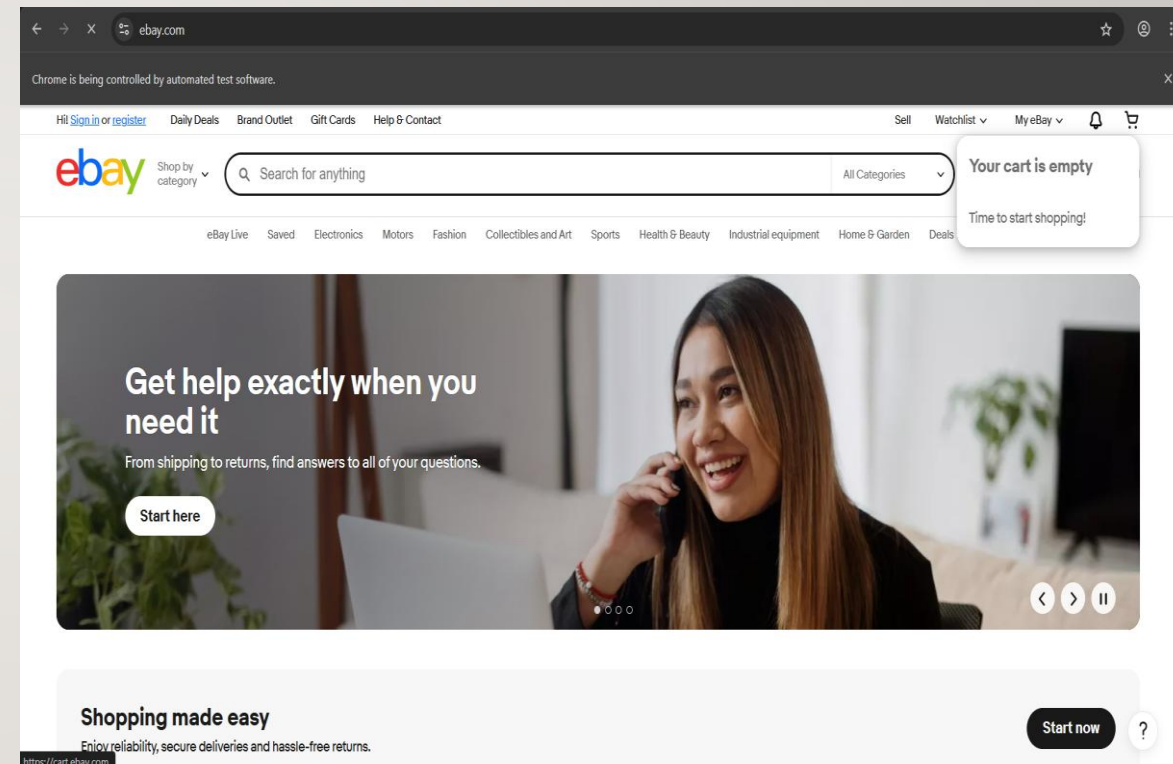
DEFECTS

❑ While automation testing, I discovered some defect(s):

➤ Defect identifier :- B_001

Defect summary	:- At times “Add to Cart” button does not add the item on the first
Test Id	:- TC_010
Test case name	:- TC_add_to_cart_button_functionality
Module name	:- Add to Cart & Remove from Cart
Reproducible	:- Yes – Occurs during rapid add/remove cart operations,
Severity	:- high
Priority	:- high
Raised by	:- Hemant Bhase
Assigned to	:- developer Team
Date of assignment	:- 18-Aug-2025
Status	:- pending
Snap shots	:- Screenshot attached of not removing item after clicking
Fixed by	:- developer
Date of fixing	:-





➤ Defect identifier :- B_002

Defect summary :- Verified accounts sometimes get blocked after correct OTP entry during login, showing a “Call us” message to unlock the account—a step not practical from India due to US-only support number. However, the issue occurs intermittently and does not consistently reproduce.

Test Id :- TC_020

Test case name :- TC_login_blocked_verified_account

Module name :- Login Page

Reproducible :- Intermittent – Occurs inconsistently for verified users.

Severity :- High

Priority :- Medium

Raised by :- Hemant Bhase

Assigned to :- developer Team

Date of assignment :- 18-Aug-2025

Status :- pending

Snap shots :- N.A.

Fixed by :- developer

Date of fixing :-

CHALLENGES

❖ During testing I faced some challenges:

1. Synchronization issues due to page loading delays (needed Thread.sleep and waits).
2. Dynamic elements (like changing product IDs) caused test instability.
3. Changing user profile required handling multiple security validations.(Re-enter pass)
4. Blocking of the account after signing with different browser multiple times.

EXPERIENCE

- This project gave me practical learning of Selenium WebDriver with TestNG.
- I gained confidence in automating functional flows like login, search, add to cart.
- Understood importance of waits, assertions, and defect reporting.
- Executing my own automation project helped me learn better than only theory.
- Manual testing observations combined with automation gave better coverage.



Thank You!!!

Vaishali Mam For Guiding Us through out the Project.