

DEPI Graduation Project

Software Testing Track



CONTENT :

- Project Details
 - Team structure
 - Management Tools
 - Project stages
 - Manual Testing
 - API Testing
 - Automation Testing

Team Structure



Project Leader
M.Edrees



Manual Testing
Moaz
saber

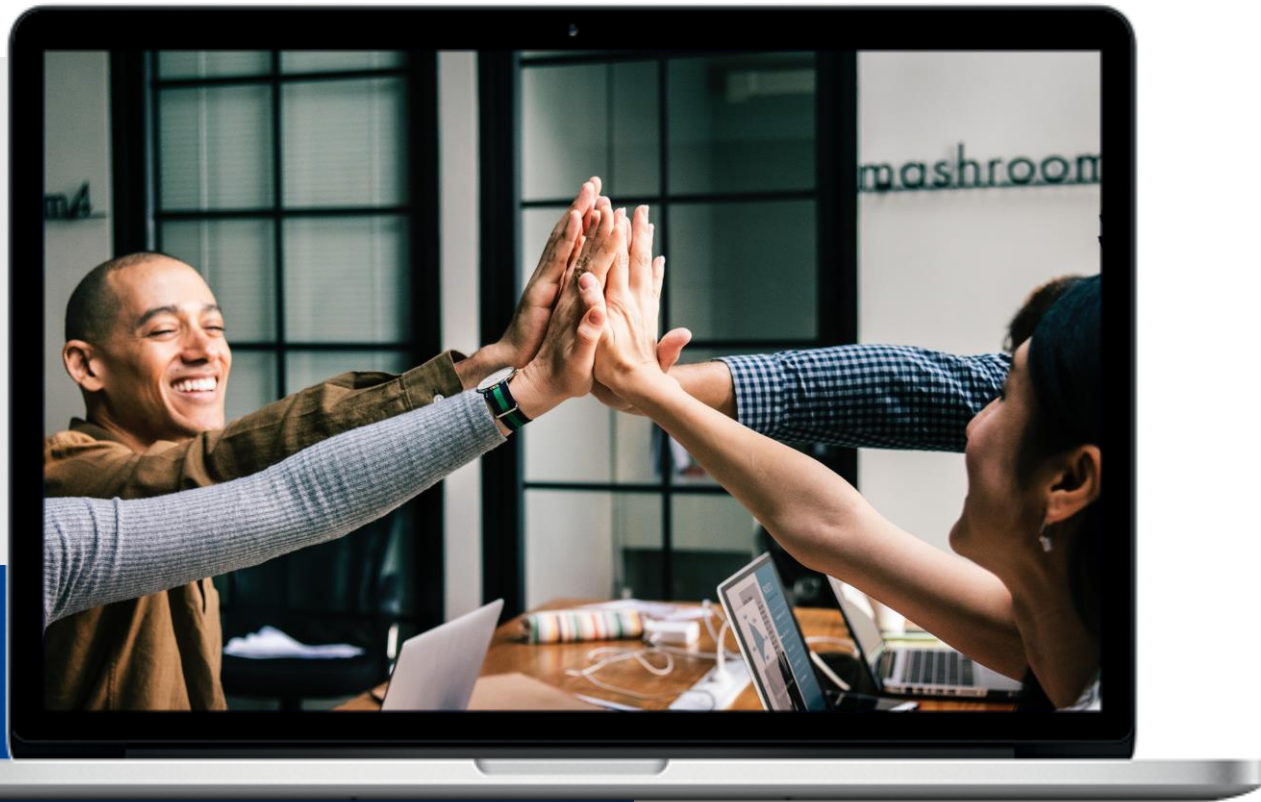


API Testing
Abanob
Atta



Automation Testing
Abdelrahman
Mostafa

Project Stages



☐ **Manual Testing (Sauce Demo)**
- JIRA

☐ **Automation Testing (Sauce Demo)**
- Selenium
- TestNG

☐ **API Testing (Dummy JSON)**
- Postman

Management Tools

DEPI

JIRA :

DEPI_Project_Selenium_...
Software project

PLANNING

- Timeline
- Backlog
- Board
- + Add view

DEVELOPMENT

- Code
- Project pages
- Zephyr Squad**
- Project settings

SMARTBEAR
Zephyr Squad

Test Cases Test Cycles Reports

+ New Folder Q ...

All test cases (49)

- Auth (12)
- Product (6)
 - Product List (1)
 - Product Sort (1)
 - Product Page (1)
 - Shopping_Cart (9)
 - Checkout (18)
 - Logout (4)
- API

+ New Test Case Archive Clone More

Search... Filters

<input type="checkbox"/>	P	Key	Name	Status	R	Owner
<input type="checkbox"/>		DPSAT-T1	Verify that a user can log in with valid credentials.	APPROVED		
<input type="checkbox"/>		DPSAT-T2	Verify that a user cannot log in with an invalid username.	APPROVED		
<input type="checkbox"/>		DPSAT-T3	Verify that a user cannot log in with an invalid password.	APPROVED		
<input type="checkbox"/>		DPSAT-T4	Verify that a user cannot log in with a blank username.	APPROVED		
<input type="checkbox"/>		DPSAT-T5	Verify that a user cannot log in with a blank password.	APPROVED		
<input type="checkbox"/>		DPSAT-T6	Verify that a user cannot log in with both fields blank.	APPROVED		
<input type="checkbox"/>		DPSAT-T7	Verify that a locked-out user cannot log in.	APPROVED		
<input type="checkbox"/>		DPSAT-T8	Verify that the login is case-sensitive for the username.	APPROVED		
<input type="checkbox"/>		DPSAT-T9	Verify that the login is case-sensitive for the password.	APPROVED		

1 - 12 of 12

ASANA Project:

DEPI - Automation Project

Overview List Board Timeline Dashboard Calendar Workflow Messages Files

+ Add task

Filter Sort Group Options Save view

Task name	Assignee	Assignee2	Due date	Priority
Planning				
Week_1 1 Oct 5				
Test Cases for Auth	mostafa edr...		Oct 7	High
Test cases for Cart	Ahmad Saber		Oct 7	High
Test Cases for Checkout	moaazhos...		Oct 7	High
Import to jira	Abdelrahma...		Oct 7	Medium
API base requests	Abanoub Ve...		Oct 7	High
Week_2 6 Oct 14				
Edit Jira (Test Scripts)	moaazhos...		Oct 14	High
Edit TCs Priority in Jira	Abdelrahma...		Oct 21	High
Make the base structure of the project on selenium	Abdelrahma...		Oct 12	Medium
Search on Performance Testing using jMeter	Abanoub Ve...		Oct 14	Low
Finish Login Automation	Abdelrahma...		Oct 14	Medium
Finish Inventory Automation	mohamedLib...		Oct 14	Medium
Week_3 5 Oct 21				
Finish Cart Automation	moaazhos...		Oct 21	Medium
Finish Checkout Automation	mostafa edr...		Oct 21	Medium
Finish API Automation	Abanoub Ve...		Oct 21	High
API Schema Testing Using newman	mohamedLib...		Oct 21	Medium
Finish Performance using jMeter	Abanoub Ve...		Oct 21	Low

Manual Testing

DEPI



Jira Your work Projects Filters Dashboards Teams More Create 12 days left Search

DEPI_Project_Selenium_... Software project

PLANNING

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DEVELOPMENT

- Code

Project pages

Zephyr Squad

Project settings

DEPI_Project_Selenium_Automation_Testing / Test Cases / SQL Injection on Login Page (DPSAT-T39) Go back

SQL Injection on Login Page

Details Test Script Traceability Execution History

Labels

Click to add labels

Custom Fields (4)

Test Steps*

- 1.Navigate to the login page
- 2.Enter ' OR 1=1-- in the username field and leave the password field empty or enter any random text
- 3.Submit the login form

Test Data*

- Username: ' OR 1=1--
- Password: Any random string

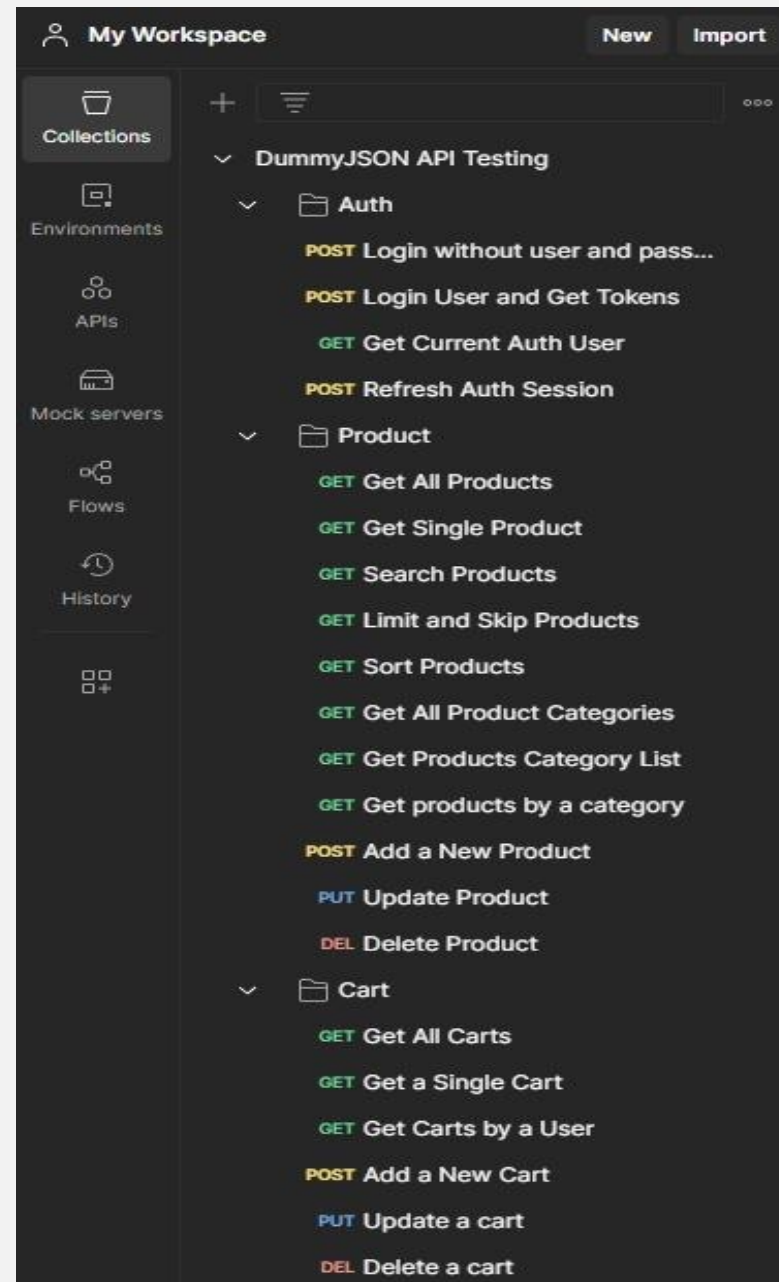
Expected Result*

- The application should block SQL injection attempts and not allow unauthorized access.
- The system should display a user-friendly error message, e.g., "Invalid credentials."



API Testing

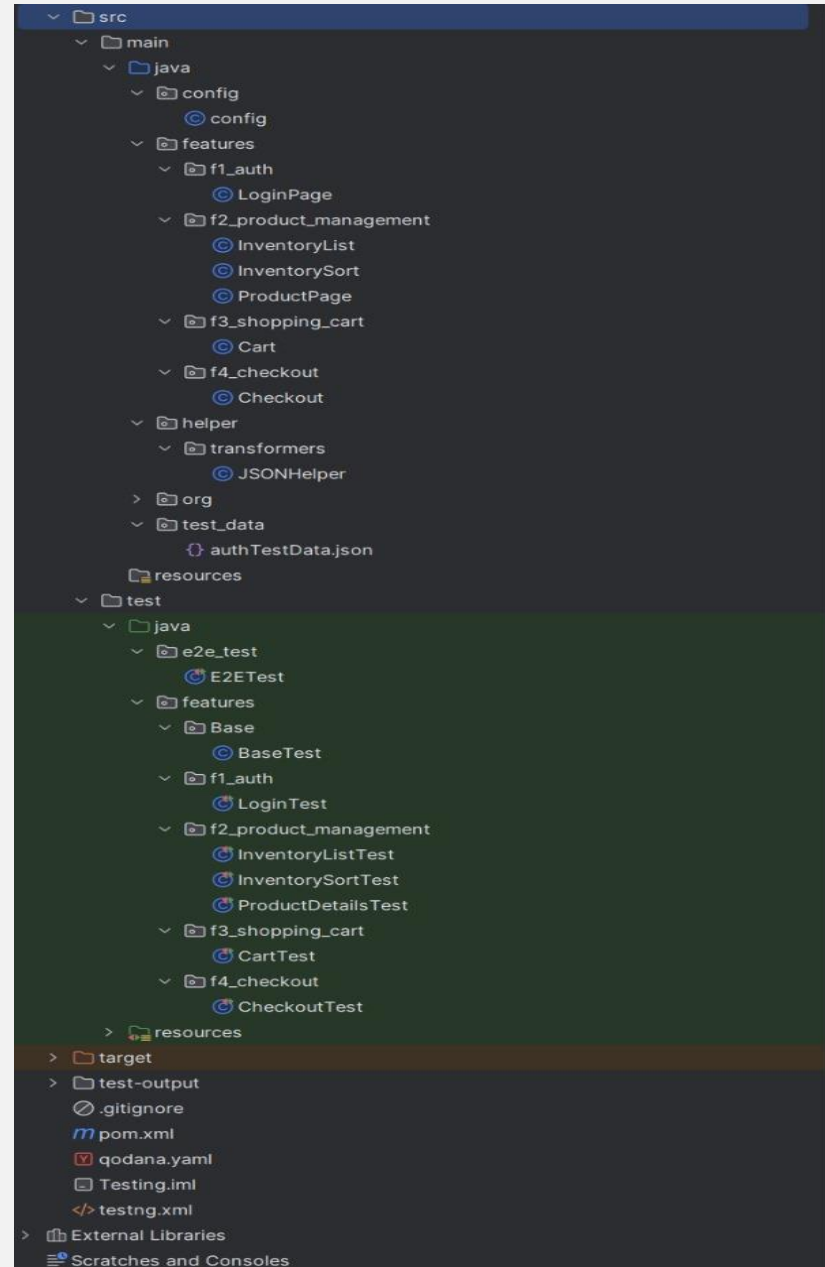
DEPI





Automation Testing

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Automation Testing

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Run LoginTest x

✓ Default Suite 8 sec 871 ms

✓ My_Test 8 sec 871 ms

✓ LoginTest 8 sec 871 ms

✓ test_login_with_valid_credentials 1 sec 54 ms

✓ test_login_with_invalid_username 371 ms

✓ test_login_with_invalid_password 352 ms

✓ testEmptyUsername 293 ms

✓ testEmptyPassword 340 ms

✓ testEmptyUsernameAndPassword 247 ms

✓ testLockedOutUser 428 ms

✓ testCaseSensitivityForUsername 430 ms

✓ testCaseSensitivityForPassword 417 ms

✓ test_SQL_injection_on_login 328 ms

✓ passwordFieldMasking 33 ms

✓ navigate_to_inventory_without_credentials 185 ms

✓ Tests passed: 12 of 12 tests - 8 sec 871 ms

23:59:22.479 [main] DEBUG org.testng.internal.Utils - suiteXmlPath: "C:\Users\adobe\...

23:59:22.799 [main] INFO org.testng.internal.Utils - [TestNG] Running:

TestCase ID:001 - Valid Login Passed

TestCase ID:002 - Invalid Username Passed

TestCase ID:003 - Invalid Password Passed

TestCase ID:004 - Empty Username Passed

TestCase ID:005 - Empty Password Passed

TestCase ID:006 - Empty Username and Password Passed

TestCase ID:007 - Locked Out User Passed

TestCase ID:008 - Case Sensitivity on Username Passed

TestCase ID:009 - Case Sensitivity on Password Passed

TestCase ID:010 - SQL Injection on Login Passed

TestCase ID:011 - Password Field Masking Passed

TestCase ID:012 - Accessing 'inventory.html' when logged out Passed

=====

Default Suite

Total tests run: 12, Passes: 12, Failures: 0, Skips: 0

=====

Process finished with exit code 0

Thanks

