e-commerce Final Project

Overall Objectives

Develop two end-to-end test that uses Cucumber and Selenium WebDriver.

Please look at the checklist at the end of this document for hints & tips!

Once you are happy with your final project, please add it to your own GitHub account as a public repository and email the instructor the repository link.

Test Case 1

The test will login to an e-commerce site as a registered user, purchase an item of clothing, apply a discount code and check that the total is correct after the discount & shipping is applied.

Website

https://www.edgewordstraining.co.uk/demo-site

Pre-requisite (manual)

Visit https://www.edgewordstraining.co.uk/demo-site/my-account/

and register a new account

🏠 Home > My account

My account

Login

Username or email address *

Password *

Log in   ☐ Remember me

Register

Email address *

Password *

Register

1. Login to your account at https://www.edgewordstraining.co.uk/demo-site/my-account/ using the account you manually registered

My account

Login

Username or email address *

hello@edgewords.co.uk

Password *

············

[Log in]   ☐ Remember me

2. Enter the shop using top nav link 'Shop'

Edgewords Shop

e-commerce demo site for Training

Home   [Shop]   Cart   Checkout

3. Add a clothing item to your Cart
4. View the Cart
5. Apply a coupon 'edgewords'

Cart

		Product	Price	Quantity	Total
❌		Belt	£55.00	1	£55.00

| edgewords | Apply coupon | | Update c |

6. Check that the coupon takes off 15%
7. Check that the total calculated after coupon & shipping is correct:

Cart totals

Subtotal	£55.00
Coupon: edgewords	-£5.50 [Remove]
Shipping	Flat rate: £3.95
	Calculate shipping
Total	£53.45

Proceed to checkout →

8. Finally - Log Out

Test Case 2

The test will login to an e-commerce site as a registered user, purchase an item of clothing and go through checkout. It will capture the order number and check the order is also present in the 'My Orders' section of the site

Website

https://www.edgewordstraining.co.uk/demo-site

Pre-requisite (manual)

Visit https://www.edgewordstraining.co.uk/demo-site/my-account/

and register a new account

Test Steps (To be automated)

1. Login to your account at https://www.edgewordstraining.co.uk/demo-site/my-account/ using the account you manually registered

My account

Login

Username or email address *

hello@edgewords.co.uk

Password *

•••••••••••

Log in   ☐ Remember me

2. Enter the shop using top nav link 'Shop'

Edgewords Shop

e-commerce demo site for Training

Home   **Shop**   Cart   Checkout

3. Add a clothing item to your Cart
4. View the Cart
5. Proceed to checkout
6. Complete Billing details (you will need to use a valid postcode)
7. Select 'Check payments' as payment method

⦿ Check payments

Please send a check to Store Name, Store Street, Store Town, Store State / County, Store Postcode.

⚫ Cash on delivery

Place order

8. Place the order
9. Capture the Order Number and write it to the results

ORDER NUMBER:
353

DATE:
November 23, 2021

EMAIL:
hello@edgewords.co.uk

TOTAL:
£53.45

PAYMENT METHOD:
Check payments

10. Navigate to My Account->Orders and check the same order shows in the account:

🏠 Home › My account › Orders

Orders

Dashboard 🎛️	Order	Date	Status	Total	Actions
Orders 🧺	#1179	March 16, 2022	On hold	£21.95 for 1 item	View 👁️
Downloads 📄					

11. Finally - Log Out

Hints & Tips

Before finalising your project, check that you have considered the following:

- Ensure your BDD is good (no more than 3-5 steps for each Scenario) and NOT written as test steps
- Parameterise variable values in your BDD & corresponding step bindings
- Adhere to Java Coding Conventions
- Ensure each test can execute independently of one another
- Use robust CSS for locators (see if you can reduce paths to make them less brittle)
- Make use of the Page Object Model
- Make use of Before & After Hooks for handling Setup & Teardown (including logging out of the shop website)
- Reporting - make sure you create detailed, readable results
- Error Handling - consider how to make your tests more resilient
- Try not to hard-code items such as base URL, username, password.
- Comment your code
- Remove any unwanted statements, fix any warnings