SHOPPING CART AUTOMATION

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PROBLEM STATEMENT

Need to automate the following activities using Selenium + Java.

BUSINESS REQUIREMENTS:

Key Activities to implement.

1. Navigate to: http://practice.automationtesting.in/
2. Check if “Shop” Menu Option is available.
3. Click on “Shop” Menu Option.
4. Check if the control is successfully navigated to “Shop” page.
5. Go to cart(Click Cart icon)
6. Check if it is navigated to basket page
7. Fill the count of existing number of items in cart in cell C2 of sheet1 of excel file : CartData.xlsx if page is navigated to basket else add 0 to C2 cell
8. Check if “Home” Menu Option is available on navigated page.
9. Click on “Home” Menu Option.
10. Check if the control is successfully navigated to “Home” page.
11. Check if “Home” page has a section of new arrivals.
12. Check of “Arrivals” section has exactly 3 products enlisted.
13. Check if product image is clickable.
14. Click on Product Image.
15. Check if the control is successfully navigated to Product Details page.
16. Check if product details page has an option “ADD TO BASKET”.
17. Click on “ADD TO BASKET” option.
18. Check if product added message is shown when product is added to basket. Check for message
19. Go to cart(Click Cart icon)
20. Check how many items are there in cart.
21. Fill the count of existing number of items in cart in cell C3 of sheet1 of excel file : CartData.xlsx
22. Check if count of items in cart has increased by 1 after adding by comparing C2 and C3 cells of sheet1 of excel file: CartData.xlsx
23. Check if we have “View your shopping cart” anchor tag title or not.
24. Click on it.
25. Check if we have “APPLY COUPON” button or not.
26. Check if we have price defined after product name.
27. Check if we have price defined in correct format or not.
28. Check if we have quantity defined after product price.
29. Check if we have quantity defined in correct format or not.
30. Check if we have total defined after quantity.
31. Check if we have total defined in correct format or not.

32. Check if we have Tax defined after product name.
33. Check if we have Tax defined in correct format or not.
34. Validate if we have an option to remove an added product or not.
35. Remove a product.
36. Validate if we get a message after removing an item with its name or not.
37. Update the quantity of one of the product. Increase quantity by 1
38. Validate if we have active Update Basket button active on updating quantity or not.
49. Validate if we have a “Proceed to checkout” button or not.
40. Click on “Proceed to checkout” button.
41. On clicking it, validate do we navigate to Billing Details page having “Billing Details” as heading or not.

For all the above activities to accomplish, there are template methods in Activites Class. These methods need to take use of helper methods available in SubActivites class. Those are also templated.

Helper activities to implement.

Helper methods (in SubActivities class) to be implemented are as follows:

1. Check a page has been loaded completely.
2. Find an element using xpath.
3. Wait for an element if it is not present.
4. Wait for an element if it is present.
5. Wait for an element if it is not visible.
6. Wait for an element if it is visible.
7. Close the ads.
8. Close the banners.
9. Implement do_javascript_click functionality.

Locator to implement.

Add appropriate locators in locator class and use them in SubActivities class.

Expectations:

1) Learners should write automation script using Java and selenium to automate all the steps in the above question. In other words, automation script should perform all mentioned steps.
2) Learners should not use any tools to create the xpath. They should develop the xpath/cssselector on their own.

IMPLEMENTATION/FUNCTIONAL REQUIREMENT

1.2 CODE QUALITY/OPTIMIZATIONS

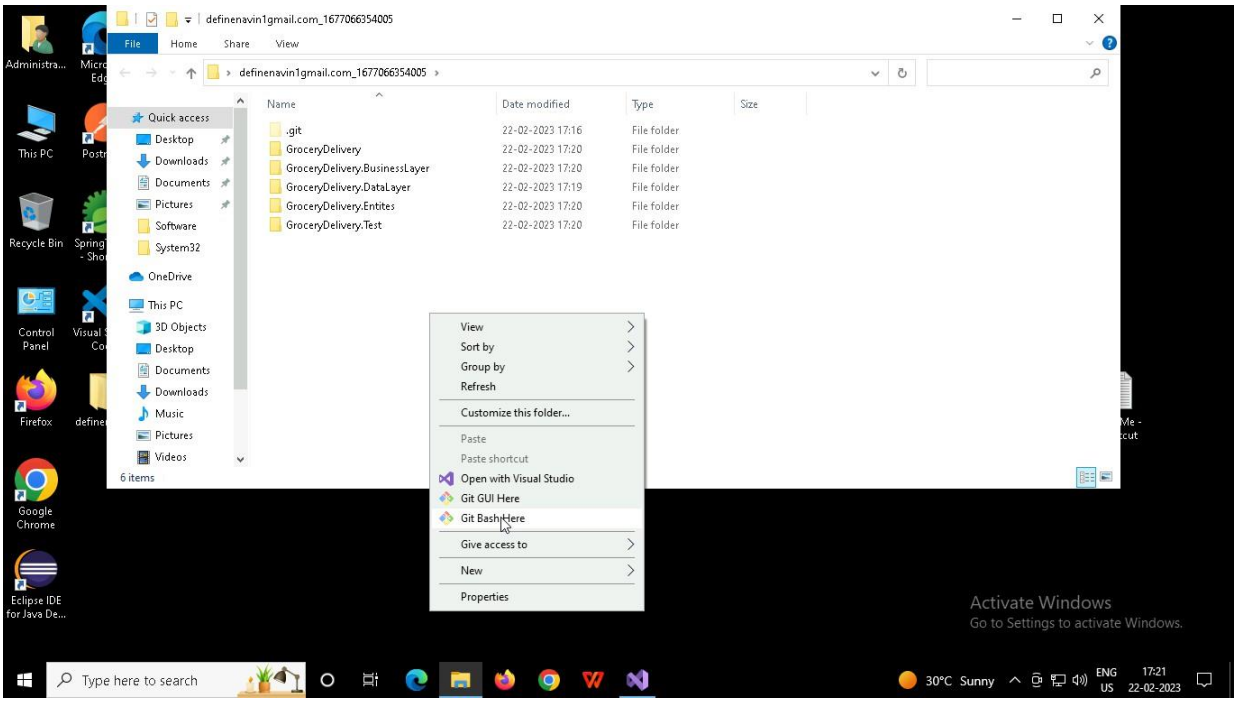
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

EXECUTION STEPS TO FOLLOW

1. **You are mandatory required to run test cases for applications before final submission. Without which project evaluation will not happen.**
2. **You can run the Junit test cases using Eclipse menu options.**
3. **Before final submission, you are also required to push your code to GIT. Following are the steps to follow:**


Administra...
Microsoft Edge
Git Bash
This PC
Postman
WPS PDF
Recycle Bin
SpringTool... - Shortcut
WPS Office
Control Panel
Visual Studio Code
custom.ih
Firefox
definenavin1 gmail.com_1
Google Chrome
Eclipse IDE for Java De...
Read Me - Shortcut
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C Sunny
ENG US
17:21
22-02-2023

Right click in folder and open Git Bash



In Git bash terminal, run following commands

a. git status
b. git add .
c. git commit -m “First commit”
   (You can provide any message every time you commit)
d. git push