

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. Click on any product image in arrival section and confirm if it navigates to product details page.
 - a. Check if we are a product image is clickable.
 - b. Click on Product Image.
 - c. Check if the control is successfully navigated to Product Details page.
3. Click on "ADD TO BASKET" button on product description page to add it to cart.
 - a. Check if product details page has an option "ADD TO BASKET".
 - b. Check how many items are there in the cart before adding new item into cart.
 - c. Click on "ADD TO BASKET" option.
 - d. Check how many items are there in the cart after adding new item.
 - e. Check if count of items in cart has increased by 1 after adding.
4. Check if product added message is shown when product is added to basket.
5. Check if "APPLY COUPON" button is there or not.
 - a. Check if we have "View your shopping cart" anchor tag title or not.
 - b. Click on it.
 - c. Check if we have "APPLY COUPON" button or not.
6. Check complete product checkout page:
 - a. Check if we have price defined after product name.
 - b. Check if we have price defined in correct format or not.
 - c. Check if we have quantity defined after product price.
 - d. Check if we have quantity defined in correct format or not.
 - e. Check if we have total defined after quantity.
 - f. Check if we have total defined in correct format 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

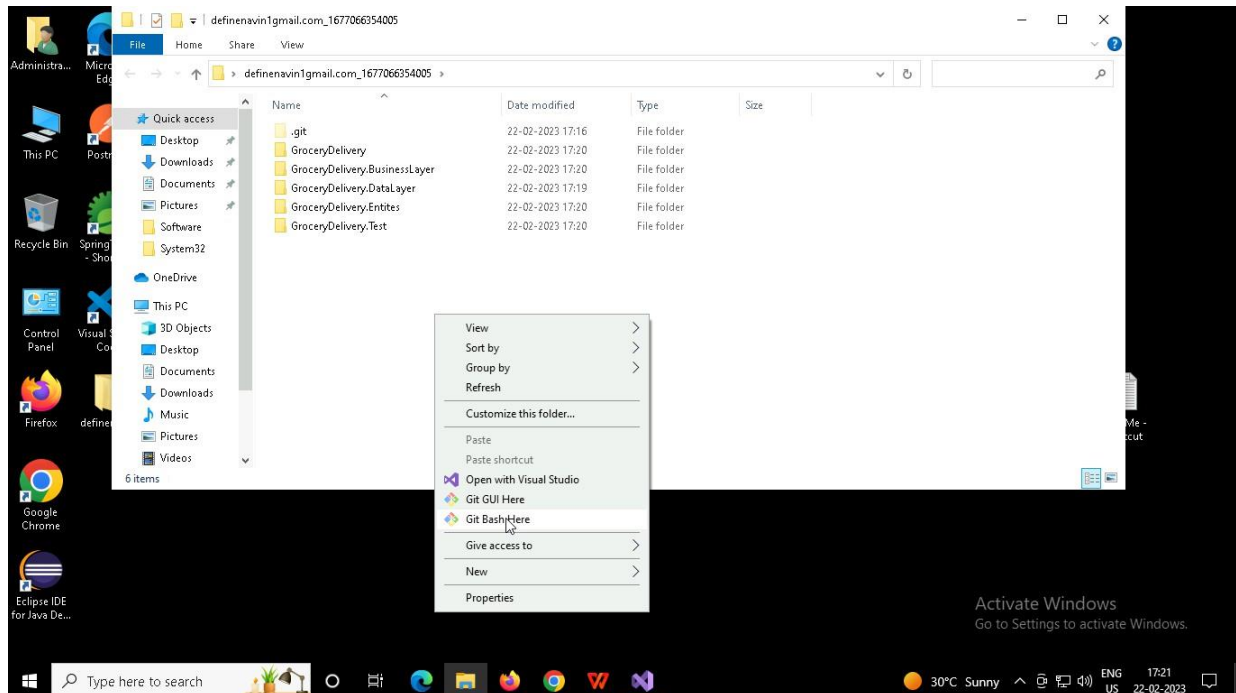
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

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:**

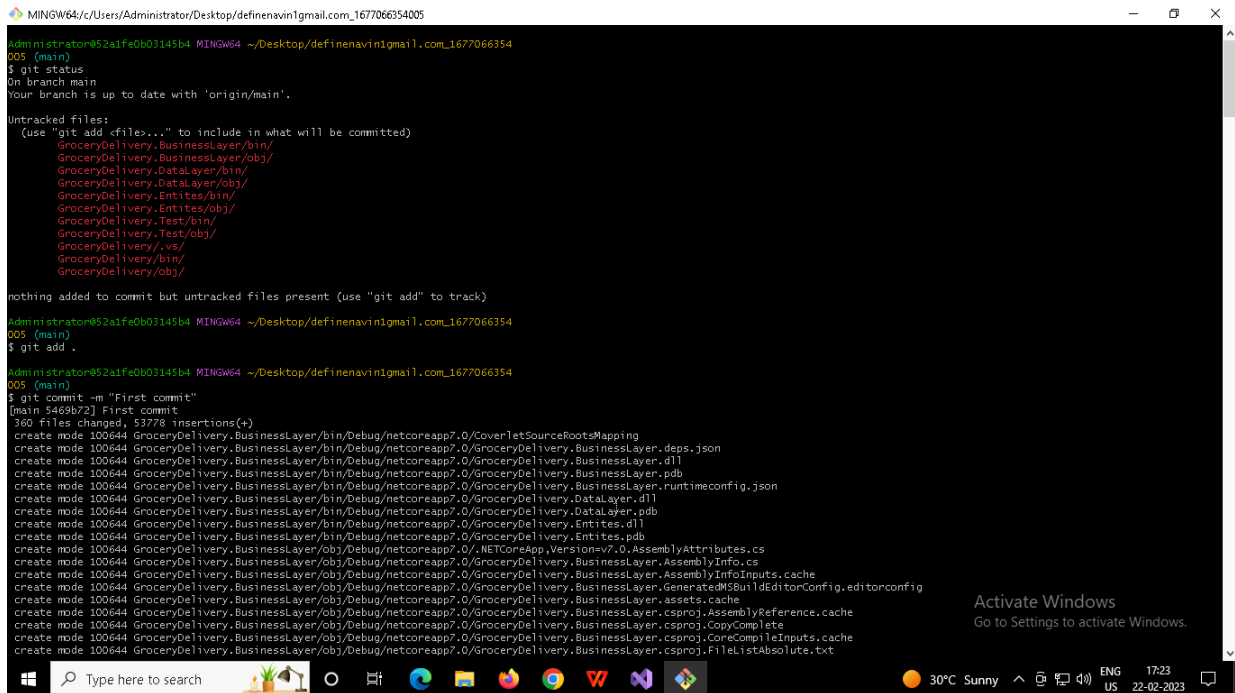


Right click in folder and open Git Bash



In Git bash terminal, run following commands

- git status
- git add .
- git commit -m "First commit"
(You can provide any message every time you commit)
- git push



```
Administrator@52a1fe0b03145b4 MINGW64 ~/Desktop/definavin@gmail.com_1677066354
005 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    GroceryDelivery.BusinessLayer/bin/
    GroceryDelivery.BusinessLayer/obj/
    GroceryDelivery.DataLayer/bin/
    GroceryDelivery.DataLayer/obj/
    GroceryDelivery.Entities/bin/
    GroceryDelivery.Entities/obj/
    GroceryDelivery.Test/bin/
    GroceryDelivery.Test/obj/
    GroceryDelivery/.vs/
    GroceryDelivery/bin/
    GroceryDelivery/obj/

nothing added to commit but untracked files present (use "git add" to track)
Administrator@52a1fe0b03145b4 MINGW64 ~/Desktop/definavin@gmail.com_1677066354
005 (main)
$ git add .
Administrator@52a1fe0b03145b4 MINGW64 ~/Desktop/definavin@gmail.com_1677066354
005 (main)
$ git commit -m "First commit"
[main 5469b72] First commit
360 files changed, 53778 insertions(+)
create mode 100644 GroceryDelivery.BusinessLayer/bin/Debug/netcoreapp7.0/CoverletSourceRootsMapping
create mode 100644 GroceryDelivery.BusinessLayer/bin/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.deps.json
create mode 100644 GroceryDelivery.BusinessLayer/bin/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.dll
create mode 100644 GroceryDelivery.BusinessLayer/bin/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.pdb
create mode 100644 GroceryDelivery.BusinessLayer/bin/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.runtimeconfig.json
create mode 100644 GroceryDelivery.BusinessLayer/bin/Debug/netcoreapp7.0/GroceryDelivery.DataLayer.dll
create mode 100644 GroceryDelivery.BusinessLayer/bin/Debug/netcoreapp7.0/GroceryDelivery.DataLayer.pdb
create mode 100644 GroceryDelivery.BusinessLayer/bin/Debug/netcoreapp7.0/GroceryDelivery.Entities.dll
create mode 100644 GroceryDelivery.BusinessLayer/bin/Debug/netcoreapp7.0/GroceryDelivery.Entities.pdb
create mode 100644 GroceryDelivery.BusinessLayer/obj/Debug/netcoreapp7.0/.NETCoreApp,Version=v7.0.AssemblyAttributes.cs
create mode 100644 GroceryDelivery.BusinessLayer/obj/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.AssemblyInfo.cs
create mode 100644 GroceryDelivery.BusinessLayer/obj/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.AssemblyInfoInputs.cache
create mode 100644 GroceryDelivery.BusinessLayer/obj/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.GeneratedMSBuildEditorConfig.editorconfig
create mode 100644 GroceryDelivery.BusinessLayer/obj/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.assets.cache
create mode 100644 GroceryDelivery.BusinessLayer/obj/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.csproj.AssemblyReference.cache
create mode 100644 GroceryDelivery.BusinessLayer/obj/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.csproj.CopyComplete
create mode 100644 GroceryDelivery.BusinessLayer/obj/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.csproj.CoreCompileInputs.cache
create mode 100644 GroceryDelivery.BusinessLayer/obj/Debug/netcoreapp7.0/GroceryDelivery.BusinessLayer.csproj.FileListAbsolute.txt
```

