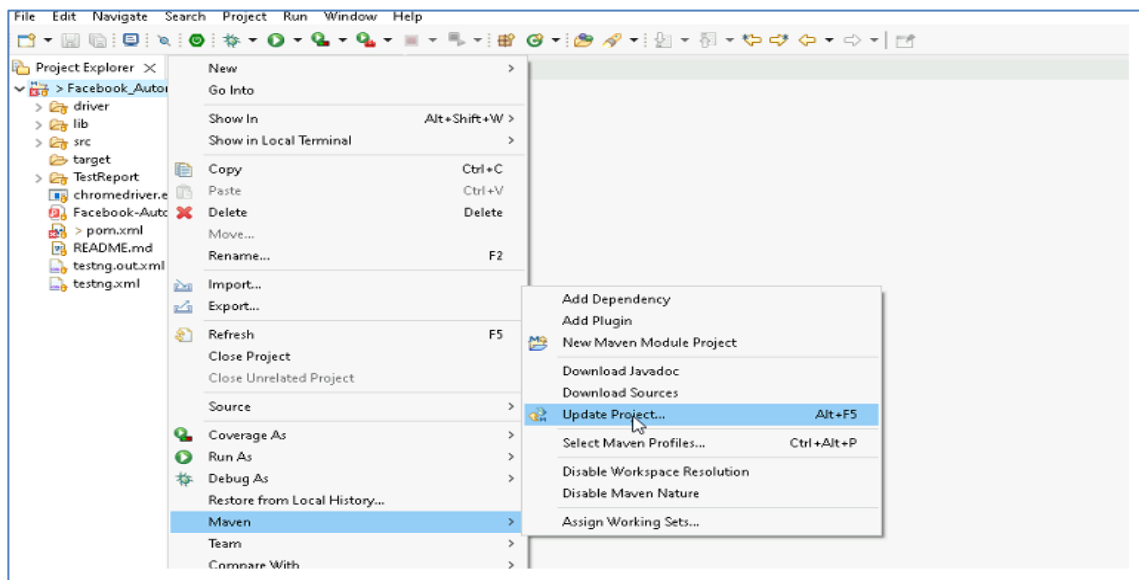


HEALTHAPP AUTOMATION- PHARMACY MODULE - PL2

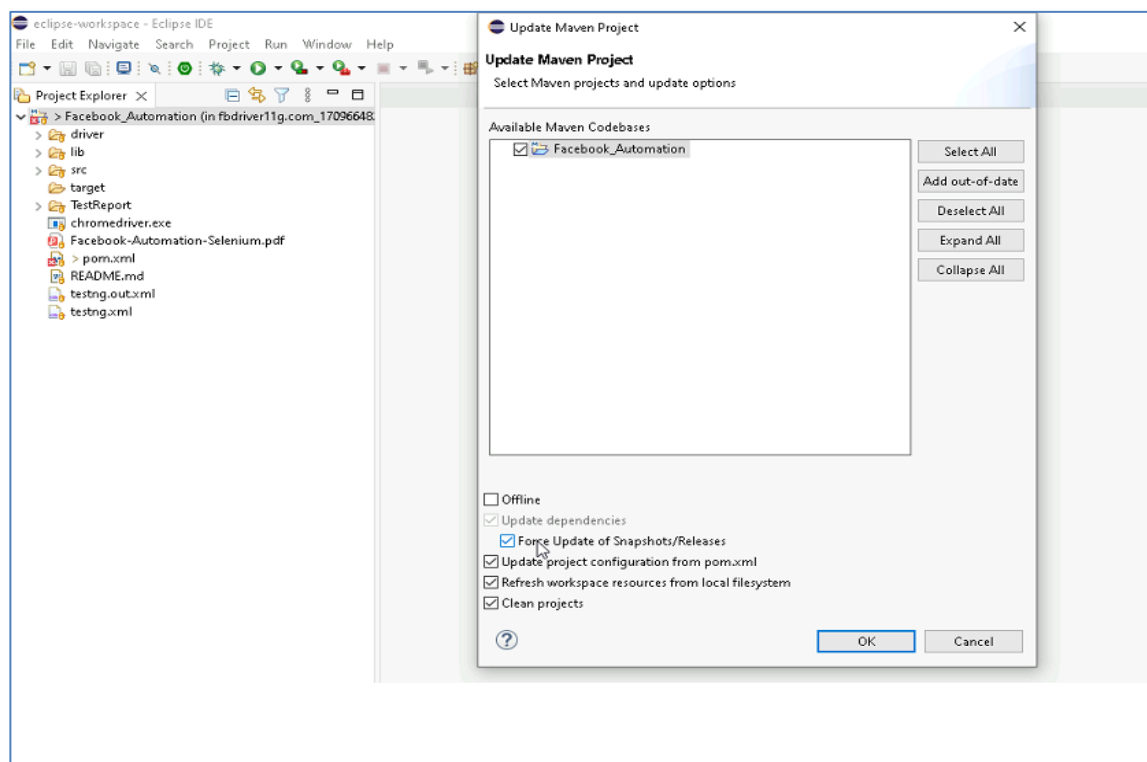
Pre-requisite:

As soon as you import project in eclipse, update the project using maven update option as below. This is to resolve issue if any maven dependency not downloaded properly:

1. Right click on project : Go to “Maven” : Select “Update Project”



2. In Update Maven Project Box Select “Force Update of Snapshots/Releases” and click OK



Template Code Structure:

- a. Below are the packages and files you will be required to work upon.
- b. Other Files and packages you can ignore.
- c. In other Files and packages do not do any changes. It would affect your evaluation.
- d. You are not required to work in “Test” Folder. Files there are non-editable. Editing those files and trying to save them will throw error and would affect your evaluation.

Package	Class/File	Description
src/main/java/coreUtilities/utis/	FileOperations.java	<ol style="list-style-type: none">1. Contains methods to read from excel file.2. Method is in templated form.3. You will be required to implement these methods as very first activity, because even URL to navigate to, is read using these methods.
/src/main/java/pages	pharmacy_Pages.java	<ol style="list-style-type: none">1. All core activities (mentioned in list above) to be performed here.2. The comments associated with each templated method here describe the expectation.3. You can define locators and xpath here.4. Declare any variable/object you need to share data/status between different methods.5. Do not modify the signature of methods declared here.6. You can create additional supportive common methods in CommonEvents class.
/src/main/resources/	Config.xlsx	URL to navigate to. Already URL is defined here

	expected_data.xlsx	Contains data to fill in form
/src/main/java/coreUtilities/utills	CommonEvents.java	<ol style="list-style-type: none"> 1. Contains all common activities. 2. Certain templated common method declared here. 3. You implement them as per your need. 4. You can add any additional method for common activity here
	Testng.xml	Execution needs to kick started from TestNG xml

PROBLEM STATEMENT

Need to automate the following activities using Selenium + Java.

Key Activities to implement:

SI No.	Summary	Action	Expected Result
1	Verify the title and URL of the Home page.	<ol style="list-style-type: none"> 1. go to URL : https://healthapp.yaksha.com/ 2. login as valid credential (username : admin , password : pass123) and click on "Sign In" Button 3. get the title and URL of the Home page, post login 4. validate the title and URL of the Home page 	Title should be : DanpheHealth URL should be : https://healthapp.yaksha.com/Home/Index#
2	To confirm that the Pharmacy module is available and accessible within the HealthApp's main interface, ensuring that pharmacy-related functionalities are integrated into the application.	Preconditions: The user must have successfully logged into the HealthApp application. Steps: <ol style="list-style-type: none"> 1. Login Verification: Ensure that the user is logged into the HealthApp. 2. Navigate to the Pharmacy Module: Scroll through the main menu to locate the Pharmacy section. 3. Access the Pharmacy Module: Click on the Pharmacy module to initiate access. 	The Pharmacy module should be listed in the HealthApp's menu, confirming its inclusion.
3	To ensure that all designated sub-modules are correctly displayed under the Pharmacy module, confirming that the structure and navigation within the Pharmacy section are functioning as expected.	Preconditions: The user must be logged into the health system. The user has navigated to the Pharmacy section of the application. Steps: <ol style="list-style-type: none"> 1. Verify Initial Position: Confirm that the user is already positioned within the Pharmacy section of the application. 2. Expand Pharmacy Module: Click on the drop-down arrow of the Pharmacy module to reveal all sub-modules. 3. Check for Presence of Sub-Modules: Observe and verify that all expected sub-modules are correctly displayed under the Pharmacy module. Expected Sub modules are : Order, Supplier, report, Setting, Store, Supplier ledger & substore request/dispatch 	All sub-modules should be displayed correctly. Expected Sub modules are : Order, Supplier, report, Setting, Store, Supplier ledger & substore request/dispatch

4	To ensure that the Order section under the Pharmacy module is correctly displayed with all essential components and navigation options.	<p>Preconditions: The user must be logged into the health system. The user is located within the Pharmacy section of the application.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Navigate to Order Section: Select and click on the "Order" sub-module or option under the Pharmacy module. 2. Verify Presence and Components of Order Section: <ul style="list-style-type: none"> ○ Sub-Modules: Confirm that all relevant sub-modules are displayed as expected. ○ Tabs: Check for the presence of 'Purchase Order' and 'Goods Receipt' tabs. ○ Buttons: Look for the buttons 'Add new good receipt', 'Show details', 'Ok', 'Export', 'Print', 'First', 'Previous', 'Next', 'Last', and 'View'. ○ Fields: Identify fields such as 'Aging days' and a 'Search bar'. ○ Dropdown Menus: Ensure dropdown menus for 'Supplier name', 'Filter', and 'Date range' are present and functional. <p>Status Radio Buttons: Confirm the availability of radio buttons for status filtering options like 'Complete', 'Cancel', and 'All'.</p>	The Order section should be fully functional and display all the components listed in the test case. Each element (tabs, buttons, fields, dropdowns, radio buttons) should be correctly integrated into the interface.
5	To verify that users can successfully navigate from the Order section to the Supplier section within the Pharmacy module.	<p>Preconditions: The user must be logged into the health system. The user is located within the Pharmacy section of the application, with the module already accessed.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Access Order Section: Start by confirming the user is within the Pharmacy section. Click on the "Order" to enter this specific sub-module. 2. Navigate to Supplier Section: From the Order section, locate and click on the "Supplier" section. 	Clicking on the "Supplier" link should lead the user directly to the Supplier section.
6	To ensure that attempting to print a receipt without filling out necessary details triggers few alert and a validation message popup. Validate the message.	<p>Preconditions: The user must be logged into the health system. The user is located within the "Goods Receipt" tab in Order submodule of Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Access New Good Receipt Interface: Click on the "Add New Good receipt" button to initiate the process of entering details for a new receipt. 2. Attempt to Print Receipt: Without entering any details in the necessary fields, scroll to the bottom of the form, Find and click the "Print Receipt" button. 3. Handle Alert Popup: Upon clicking "Print Receipt", few alert popup should appear. Click "Ok" to acknowledge and close the alert. <p>Validate Notification: After dismissing the alert, observe any additional notifications or messages that appear on the interface. These messages should be "Please, Insert Valid Data".</p>	User should get a validation message and that message should be "Please, Insert Valid Data".
7	Ensure that users can successfully initiate and complete the process of adding a new goods receipt by entering all required details properly.	<p>Preconditions: The user must be logged into the health system. The user is located within the "Goods Receipt" tab in Order submodule of Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Access New Good Receipt Interface: Click on the "Add New Good receipt" button to open "Add Good Receipt" form, then locate the "+Add New Item" and click to open "Add GR Item" form. 2. Enter Required Details "Add GR Item": Fill in all mandatory fields in the form and click the "Save" button. 	User should able to click on the new good receipt button User should able to add a new receipt after fill all mandatory fields

		<p>3. Verify Receipt Addition: Following submission, look for a new entry on “Add Good Receipt” form. Enter required all the details on "Add New Good receipt" form.</p> <p>4. Click Print receipt : Click on “Print Receipt” button to print and save the new receipt.</p>	
8	Verify to view the added receipt	<p>Preconditions: The user must be logged into the health system. The user is located within the “Goods Receipt” tab in Order submodule of Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Find and Click the view button : Find and Click on the "view" button to view the saved receipt. 	User should able to click on view button, Receipt details should be appear.
9	To ensure that users can accurately select a date range using the "From" and "To" date fields in the "Goods Receipt" tab of the Order submodule within the Pharmacy section and confirm the selection by clicking the "OK" button.	<p>Preconditions: The user is logged into the health system. The user is navigated to the “Goods Receipt” tab in the Order submodule of the Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Select the "From" Date: Choose a date from the date picker as the start date for filtering the goods receipts. 2. Select the "To" Date: Pick an appropriate end date from the date picker, ensuring it is after or the same as the "From" date to maintain logical consistency in date range selection. 3. Confirm the Date Selection: After selecting both dates, click the "OK" button to apply the date range filter. 	Data should be present as per applied date filter
10	To ensure that users can search for an invoice using its number, view the specific invoice details, and verify that the displayed information matches the search query within the "Goods Receipt" tab of the Order submodule in the Pharmacy section.	<p>Preconditions: The user is logged into the health system. The user is navigated to the “Goods Receipt” tab in the Order submodule of the Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Input Invoice Number in Search Field: Start by entering the specific invoice number into the search field provided in the "Goods Receipt" tab. 2. Verify Display of Matching Records: After entering the invoice number and initiating the search, ensure that record matching the entered invoice number is displayed. 3. Click on 'View' Button: Locate and click on the 'View' button associated with the invoice from the search results 4. Verify Invoice Number in Printed Details: In the modal or detailed view, verify that the invoice number is correctly listed among the printed details. 5. Close the 'Add Good Receipt' Modal: After verifying the details, close the modal by clicking on the designated close button or icon. 	The search functionality should accurately filter and display records that match the entered invoice number.
11	To ensure that when a user hovers the mouse over the "Star" icon within the Pharmacy section, a tooltip appears, Validate it.	<p>Preconditions: The user is logged into the health system. The user is navigated to the “Goods Receipt” tab in the Order submodule of the Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Locate the "Star" Icon: Identify the "Star" icon. 2. Hover Over the "Star" Icon: Move the mouse cursor over the "Star" icon and hold it there without clicking. 3. Verify Tooltip and Text: Observe the tooltip that appears when the mouse is hovered over the "Star". Verify that the tooltip contains the exact text "Remember this date". 	Upon hovering over the "Star" icon, a tooltip should immediately appear. The tooltip should contain the specific text "Remember this date"

12	To ensure that selecting a supplier name from the dropdown list effectively filters records, allowing the user to view details specific to the chosen supplier.	<p>Preconditions: The user is logged into the health system. The user is navigated to the “Goods Receipt” tab in the Order submodule of the Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Access Supplier Dropdown: Navigate to "Select supplier" dropdown. 2. Select Supplier Name: Click on the "Select supplier" dropdown to expand it and view the list of available suppliers. Select a supplier name from the list by clicking on it. 3. Apply Filter and Show Details: After selecting the supplier name, click on the "Show details" button to apply the filter and display the results. 	<p>Clicking on the "Select supplier" dropdown should reveal a list of available suppliers without any issues.</p> <p>After selecting a supplier name and clicking "Show details," the system should display only the records that are associated with the chosen supplier.</p>
13	To ensure that the status radio buttons ("Complete", "Cancelled", "All") in the Pharmacy section are present and functional.	<p>Preconditions: The user is logged into the health system. The user is navigated to the “Goods Receipt” tab in the Order submodule of the Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Verify 'Complete' Radio Button: Locate and click on the "Complete" radio button. After clicking, check to ensure that the "Complete" status is applied. 2. Verify 'Cancelled' Radio Button: Click on the "Cancelled" radio button. Ensure that the selection of the "Cancelled" button changes the record display appropriately. 3. Verify 'All' Radio Button: Click on the "All" radio button. Confirm that clicking the "All" button returns the display to show all records. 	All radio buttons ("Complete", "Cancelled", "All") should be present on the interface.
14	To ensure that a goods receipt can be cancelled with appropriate remarks, and verify that the cancellation is reflected correctly in the system including updating the record's status to 'Cancelled'.	<p>Preconditions: The user is logged into the health system. The user is navigated to the “Goods Receipt” tab in the Order submodule of the Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Search for the Invoice: Locate the search function in the Pharmacy section and input the invoice number of the previously created goods receipt. 2. Access Cancellation Interface: Click on the 'View' button for the invoice to open the detailed view where cancellation options are available. 3. Initiate Cancellation: Click on the 'Cancel Goods Receipt' button. This action should open a new modal or interface for entering cancellation details. 4. Enter Cancellation Remarks: In the cancellation modal, enter remarks explaining the reason for cancellation. 5. Proceed with Cancellation: Click on the 'Proceed' button to finalize the cancellation. 6. Verify Cancellation Message: Ensure that a message confirming the cancellation is displayed, indicating that the process was successful. 7. Close the Cancellation Modal: Click on the 'Close Modal' button to exit the cancellation confirmation modal. 	The status of the invoice should be displayed as 'Cancelled'.

		<p>8. Filter Cancelled Records: Click on the 'Cancelled' radio button to filter the displayed records and show only those that have been cancelled.</p> <p>9. Verify Record Status: Click on the 'View' button again for the same invoice and check that the record's status is updated to show as 'Cancelled'.</p>	
15	To ensure that users can successfully export data from the Order section within the Pharmacy module, facilitating data management and external analysis.	<p>Preconditions: The user is logged into the health system. The user is navigated to the “Goods Receipt” tab in the Order submodule of the Pharmacy section.</p> <p>Steps:</p> <ol style="list-style-type: none"> 1. Navigate to Order Section: Confirm that the user has navigated to the Order section of the Pharmacy module. This section typically contains transaction records, order details, and other relevant operational data. 2. Initiate Data Export: Locate and click on the "Export" button within the Order section. 3. Confirm Export Process: Upon clicking the "Export" button, proceed to save the file. 4. Verify File Download: Ensure that a file download is initiated and saved to the user's local system 	A data file should be successfully created and downloaded, containing accurate and complete data as displayed in the Order section.

NOTE: "Please do not delete any file in the src folder. But you are free to add any other file".

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.

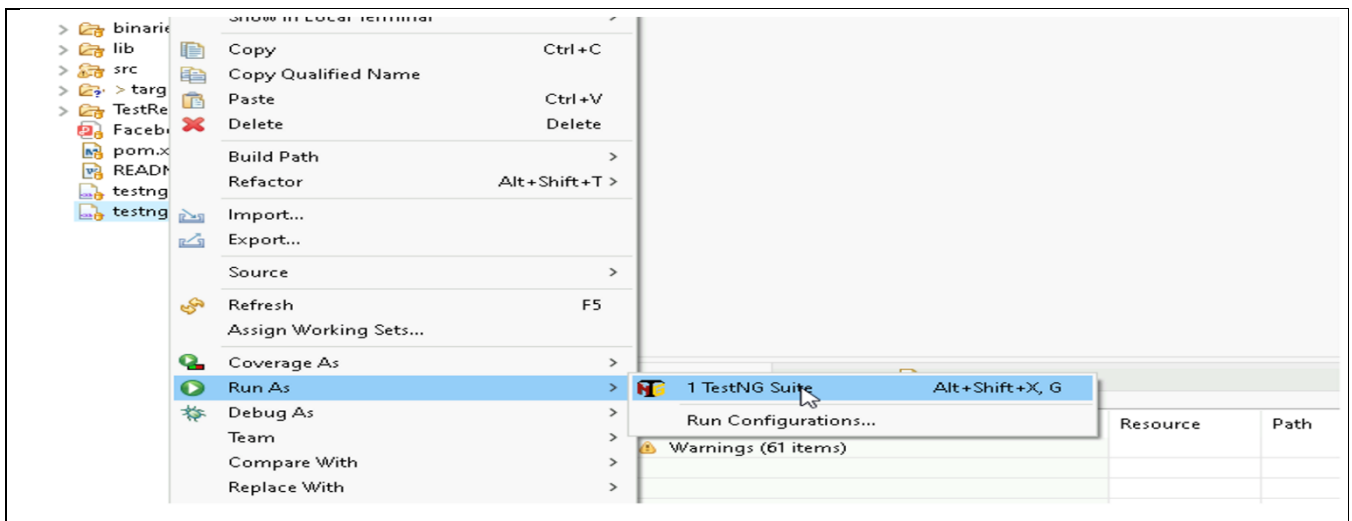
IMPLEMENTATION/FUNCTIONAL REQUIREMENT

1.1 CODE QUALITY/OPTIMIZATIONS

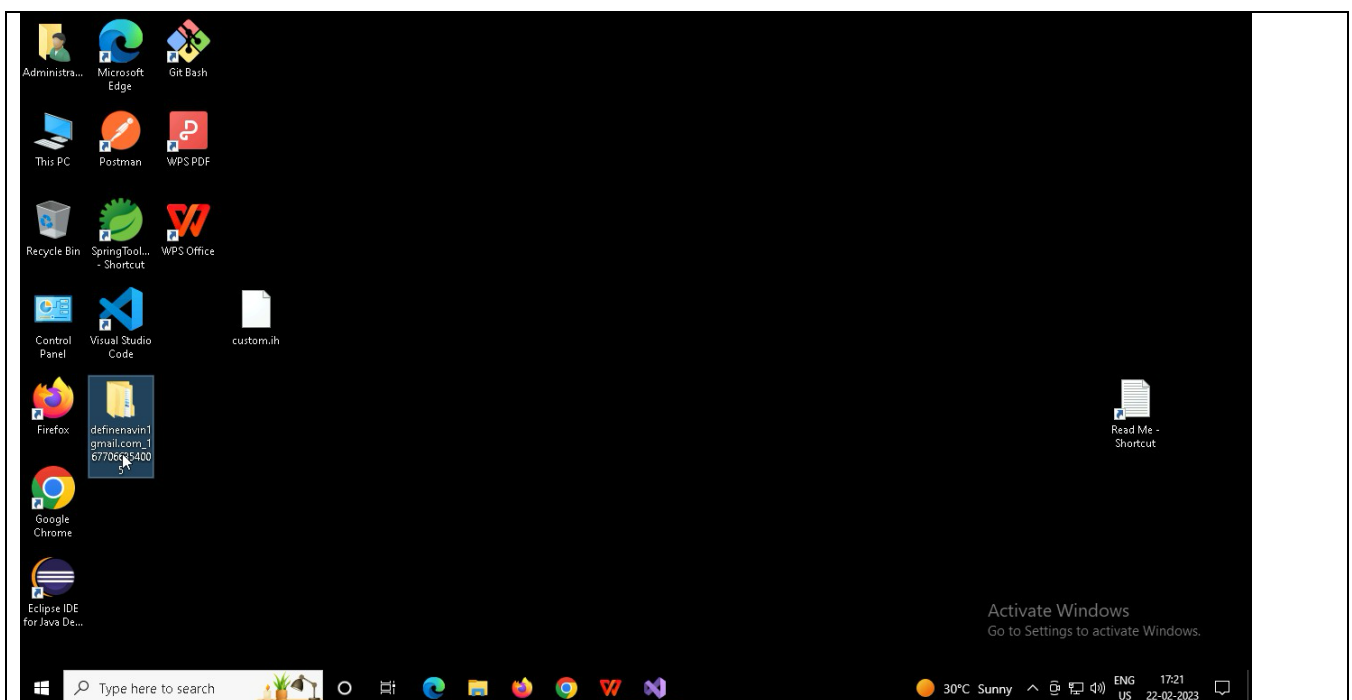
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

EXECUTION STEPS TO FOLLOW

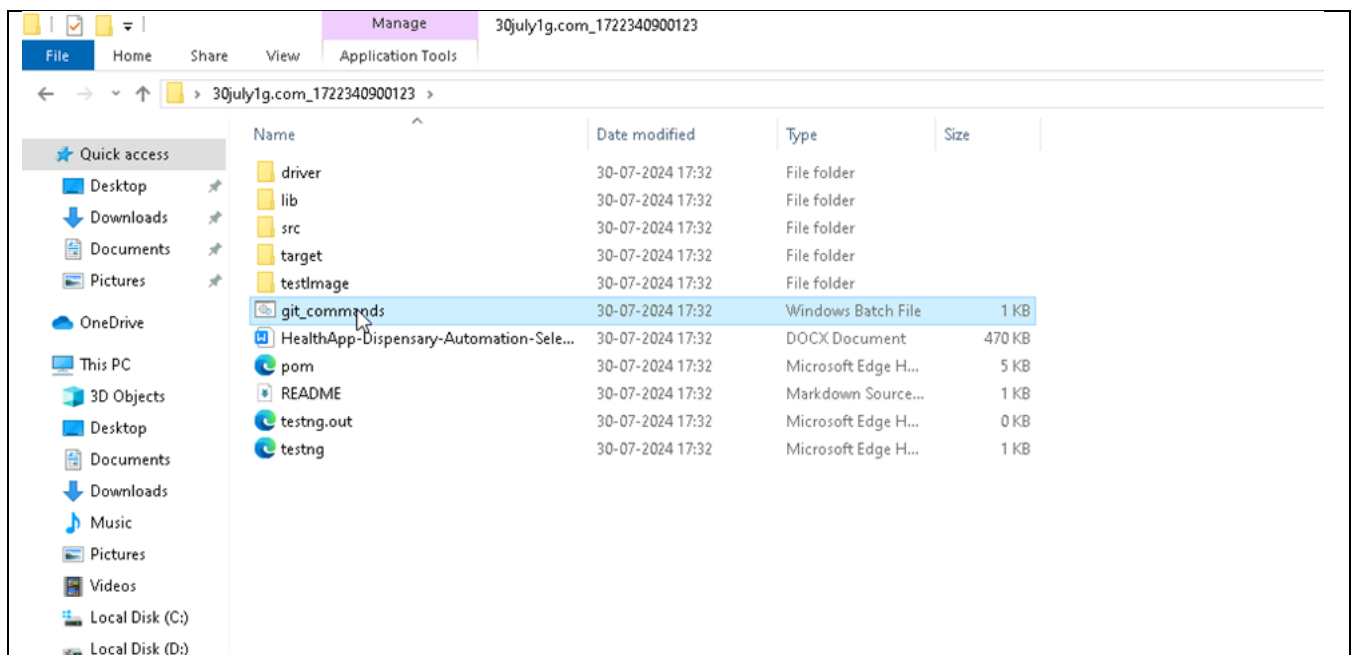
1. You are mandatory required to run test cases for applications before final submission. Without which project evaluation will not happen.
2. You can launch test cases any time as follows: Right click on testng.xml and run TestNGSuite.



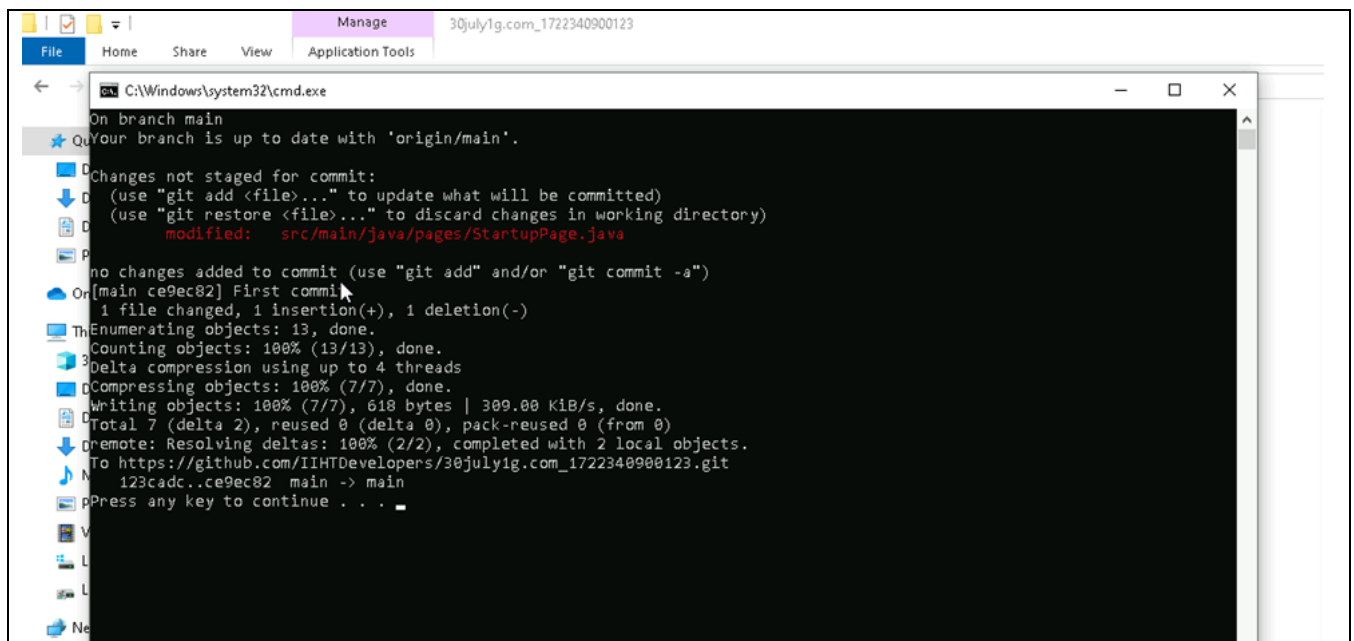
3. Before final submission, you are also required to push your code to GIT. Following are the steps to follow:



In your project folder, you will find a batch file named git_commands

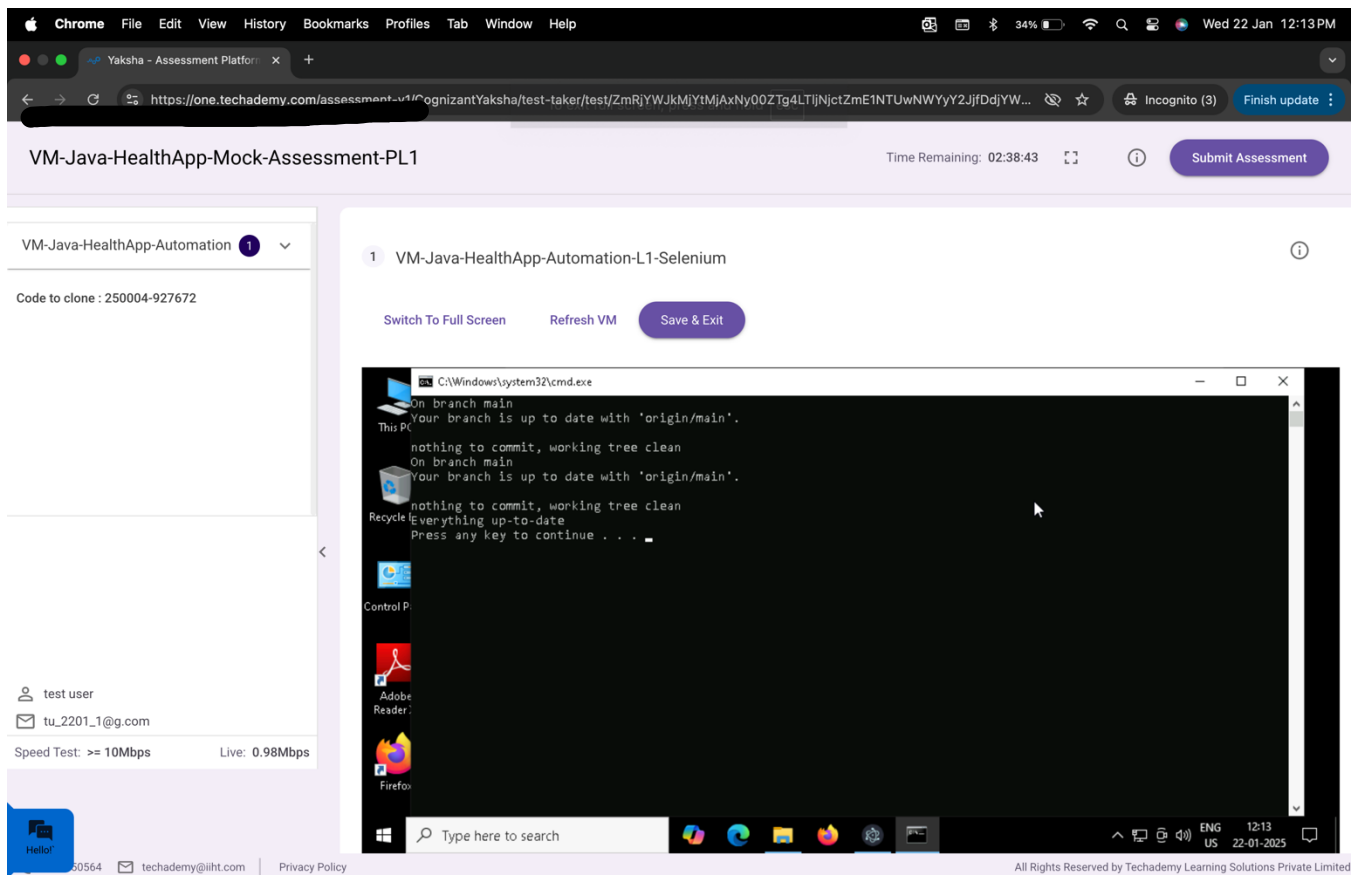


Double-click the batch file to run it. It will run the commands to push your code to GIT.



Once the code is pushed to git, you can go for the final submission of the assessment.

- Press escape to come out of Fullscreen mode.
- Submit the assessment.



After the successful submission of the assessment, you will get a confirmation message displayed on your screen.

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All the Best