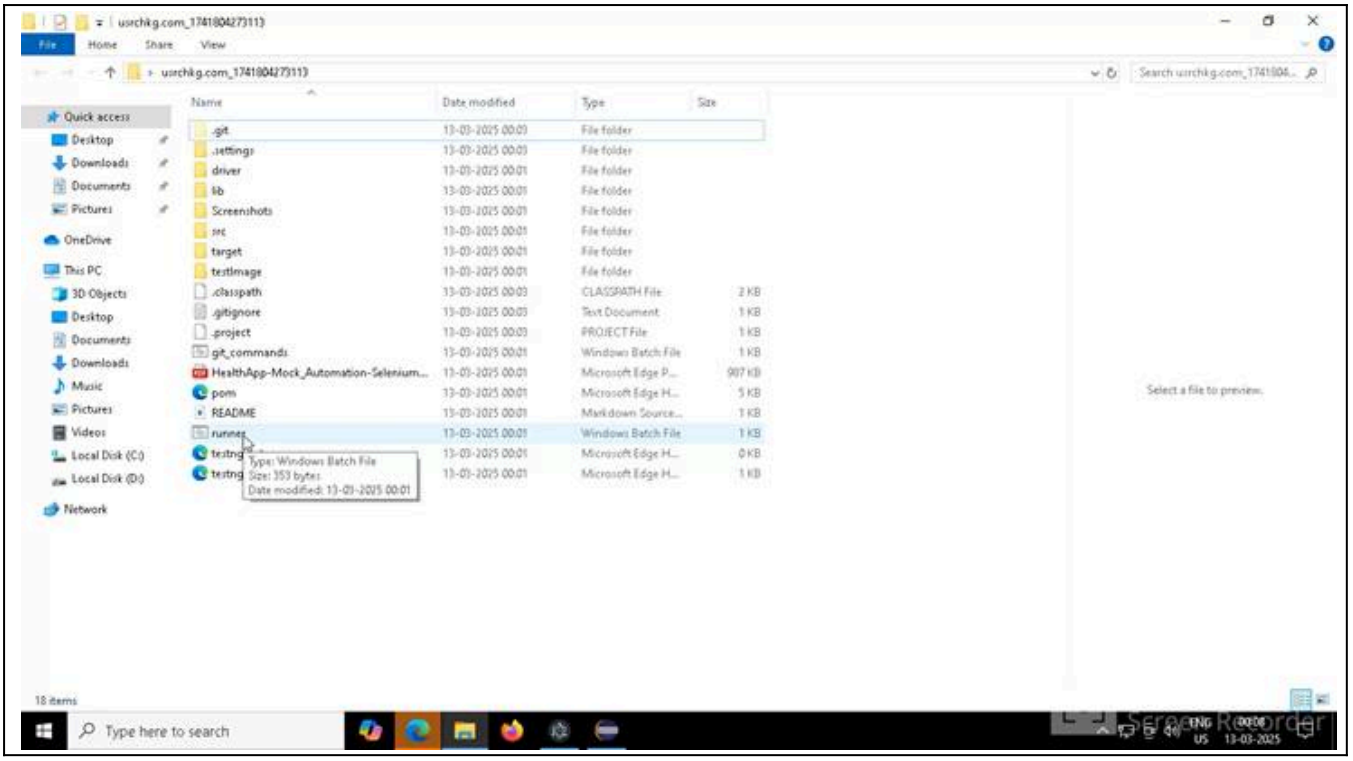
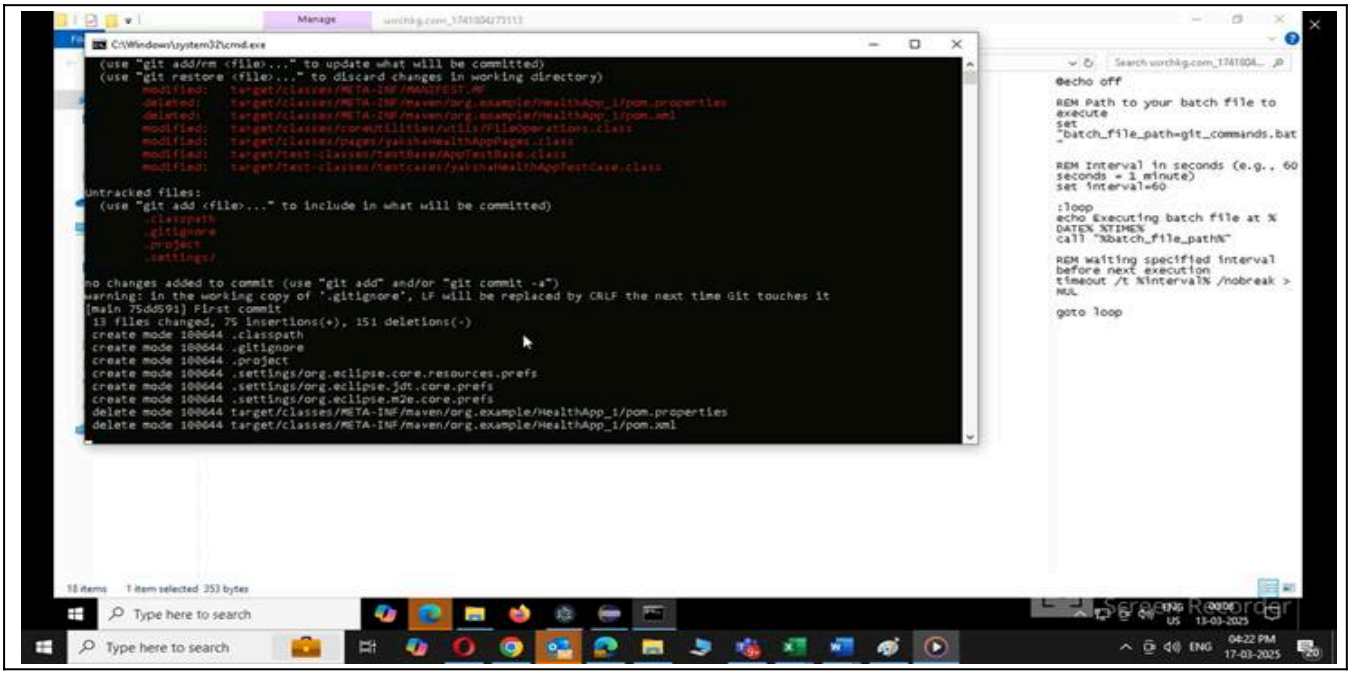
HealthApp Automation
Radiology Module-PL2(9TCs)

Pre-requisite:

Before you start working on your project, you must execute the runner file present in your project folder (simply by double-clicking). This is mandatory.

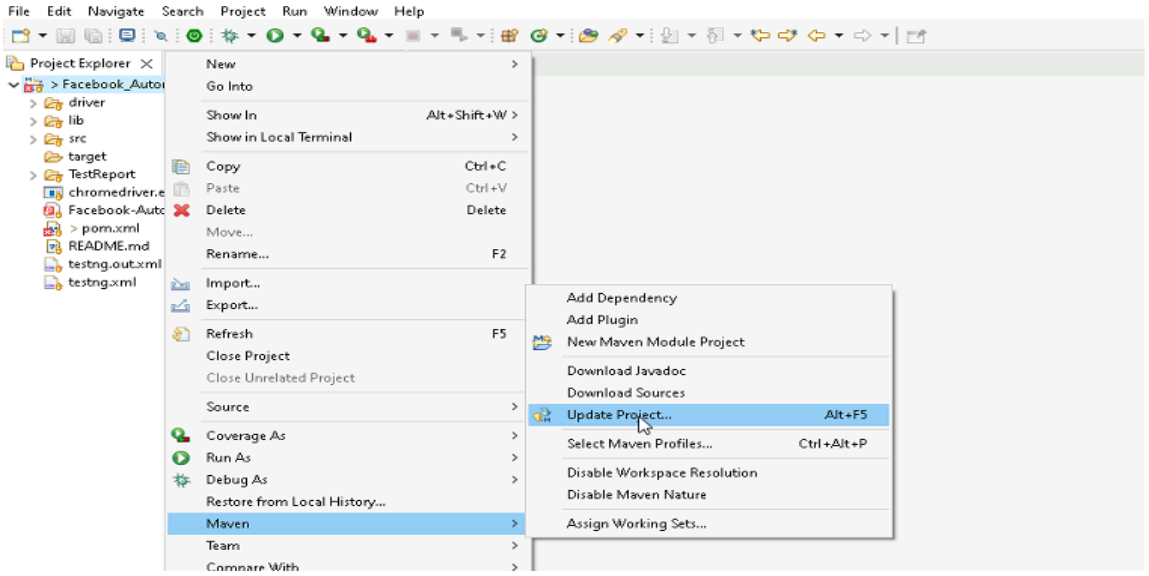


This will launch a command terminal for you where it will keep on pushing your updated code to GIT on regular intervals. Keep that command terminal open at backend and you can continue working on your project.

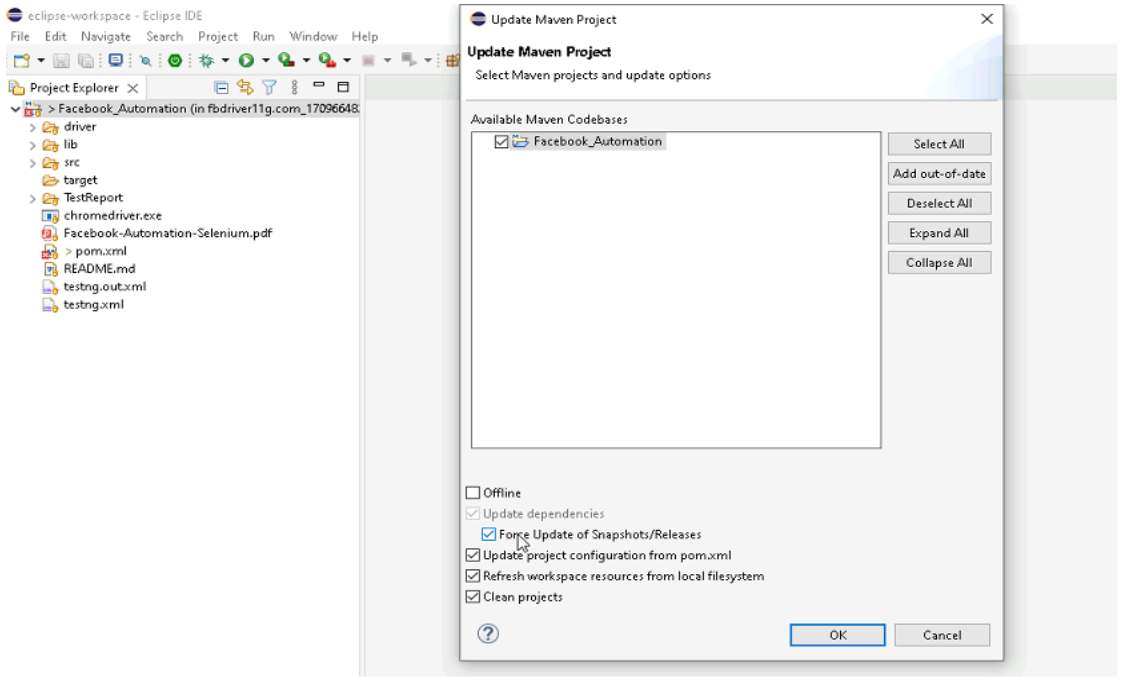


As soon as you import the project into Eclipse, update the project using the Maven update option as below. This is to resolve the issue if any Maven dependency is not downloaded properly:

1. Right-click on the project: Go to “Maven” and select “Update Project”



2. In the 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 on.

b. Other Files and packages you can ignore.

c. In other Files and packages, do not make any changes. It would affect your evaluation.

d. You are not required to work in the "Test" Folder. The files there are non-editable. Editing those files and trying to save them will throw errors and affect your evaluation.

Package	Class/File	Description
src/main/java/coreUtilities/utils/	FileOperations.java	1. It contains methods to read data from Excel files. 2. The method is in templated form. 3. You will be required to implement these methods as the very first activity, because even the URL to navigate to is read using these methods.
/src/main/java/pages	radiology_page.java	1. All core activities (mentioned in the list "Key activities to implement" below) are 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	URLS to navigate to are already defined here

	expected_data.xlsx	Contains data to fill in the form
/src/main/java/coreUtilities/utils	CommonEvents.java	1. Contains all common activities. 2. Certain templated common methods are declared here. 3. You implement them as per your needs. 4. You can add any additional methods for common activities here
	Testng.xml	Execution needs to kick-start from Testng.xml

PROBLEM STATEMENT

Need to automate the following activities using Selenium + Java.

Key Activities to implement:

#	Summary	Action	Expected Result
1	Ensure that the Radiology module is available in the App.	**Steps**: 1. gotoURL: **https://healthapp.yaksha.com/** 2. Log in with a valid credential **(username: admin, password: pass123)** and click on the "**Sign in**" Button. 3. Scroll through the main menu to find the Radiology section. 4. Click on the Radiology module.	Verify that the Radiology module Title should be “DanpheHealth”.
2	Ensure that all designated sub-modules are correctly displayed under the Radiology module.	**Preconditions**: The user must be logged into the health App system. **Steps**: 1. Click on the drop-down arrow (Toggle Key).	Verify that all sub-modules should be displayed correctly. Expected Sub modules are: List Requests, List Reports, Edit Doctors, Ward Billing
3	Check the presence of elements in the 'List Request' section within the Radiology module.	**Preconditions**: The user must be logged into the healthApp system and located within the Radiology module. **Steps**: Make sure the radiology module’s ‘List Request’ section is selected.	The 'List Request' section should display the following components: **Fields**: search bar. **Dropdowns**: 'Filter' and 'Date range'.

4	Ensure the smooth navigation between different sub-modules within the Radiology module.	**Preconditions**: The user is logged into the healthApp system and is within the Radiology module. **Steps**: 1. Click on the 'List Reports'. 2. Click on the 'Edit Doctors' link to navigate to the section. 3. Click on the 'Ward Billing' option to access it. 4. Finally, navigate back to the 'List Requests'.	Verify that by clicking on each sub-module button, the user is able to navigate to the required section.
5	Ensure that the 'Next' button is visible after users scroll to the bottom.	**Preconditions**: The user is logged into the healthApp system. The user is on the" List Request" submodule of the Radiology module. **Steps**: 1. Make sure the "All" option is selected from the "Filter" dropdown. 2. Scroll to the Bottom of the Page if required.	Verify that the "Next" button is displayed.
6	Ensure that after setting date filters and interacting with the 'Star' tooltip in the List Requests section of the Radiology module, these settings remain unchanged even after refreshing and navigating back to the page.	**Preconditions**: The user must be logged into the health system. The user is within the Radiology module, specifically in the List Requests section. **Steps**: 1. Set the "FROM" date to "Jan 2020" and the "TO" date to "March 2024". 2. Click on the 'Star' icon. 3. Click the "OK" button. 4. Click on "Ward Billing" 5. Navigate back to the "List Requests" section.	Verify that after coming back to the List Requests tab, the dates remain as selected.
7	Ensure that the data is filtered as per the date range by selecting the "Last 1 week" option from the drop-down.	**Preconditions**: The user must be logged into the health system. The user is within the Radiology module, specifically in the List Requests section. **Steps:** 1. Click on the data range button(Icon between the star and OK button). 2. Select the "Last 1 week" option from the drop-down.	Verify that the Data should be present as per the selected date range using the dropdown.
8	Ensure to filter the records by selecting "X-RAY" from the Filter drop-down.	**Preconditions**: The user must be logged into the health system. The user is within the Radiology module, specifically in the List Requests section. **Steps:** 1. Click on the Filter drop-down. 2. Click on the "X-RAY" drop-down option	Verify that the records are filtered out as per the selected option from the filter.

9	Ensure The error message pop-up text.	**Preconditions:** The user must be logged into the health system. The user is within the Radiology module, specifically in the List Requests section. **Steps:** 1. Go to Ward Billing 2. Search for Patient(fetch value from expected_data.xlsx) 3. Click on the View Details button next to the Test Patient 4. Click on the first Cancel button within the Radiology Ward Billing	Verify the error message pop-up. It should be " Please Write Cancellation Remarks"

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

IMPLEMENTATION/FUNCTIONAL REQUIREMENT

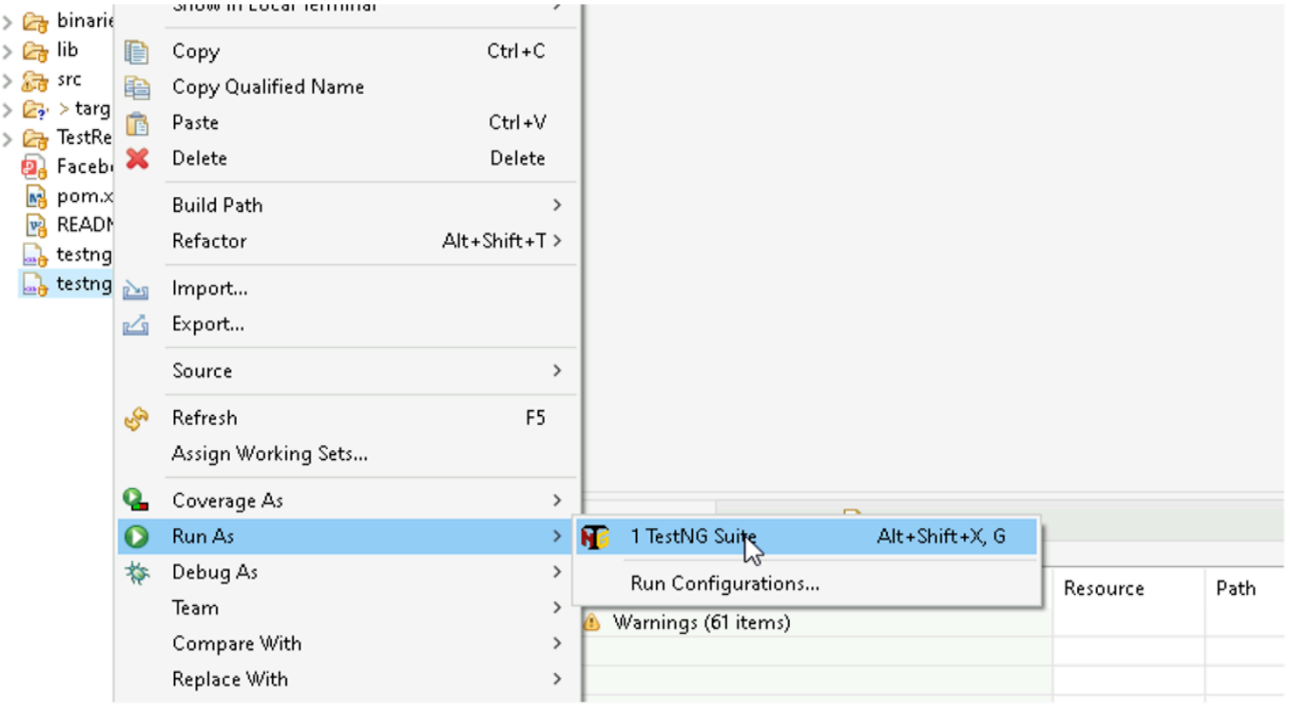
1.1 CODE QUALITY/OPTIMIZATIONS

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 required to run test cases for applications before final submission. Without this project, evaluation will not happen.**

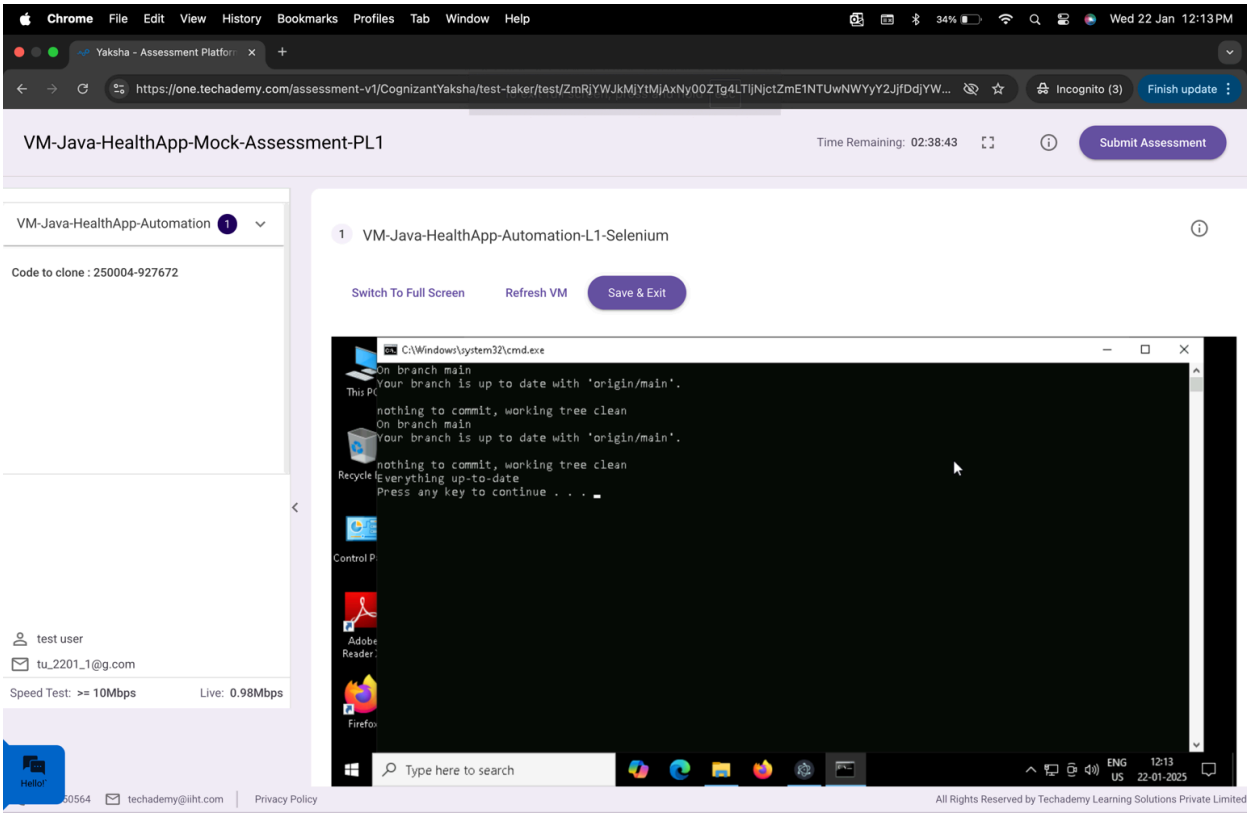
2. **You can launch test cases any time as follows: Right-click on testng.xml and run TestNGSuite.**



3. To do the final submission of the assessment :

    a. Press escape to come out of Fullscreen mode.

    b. 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