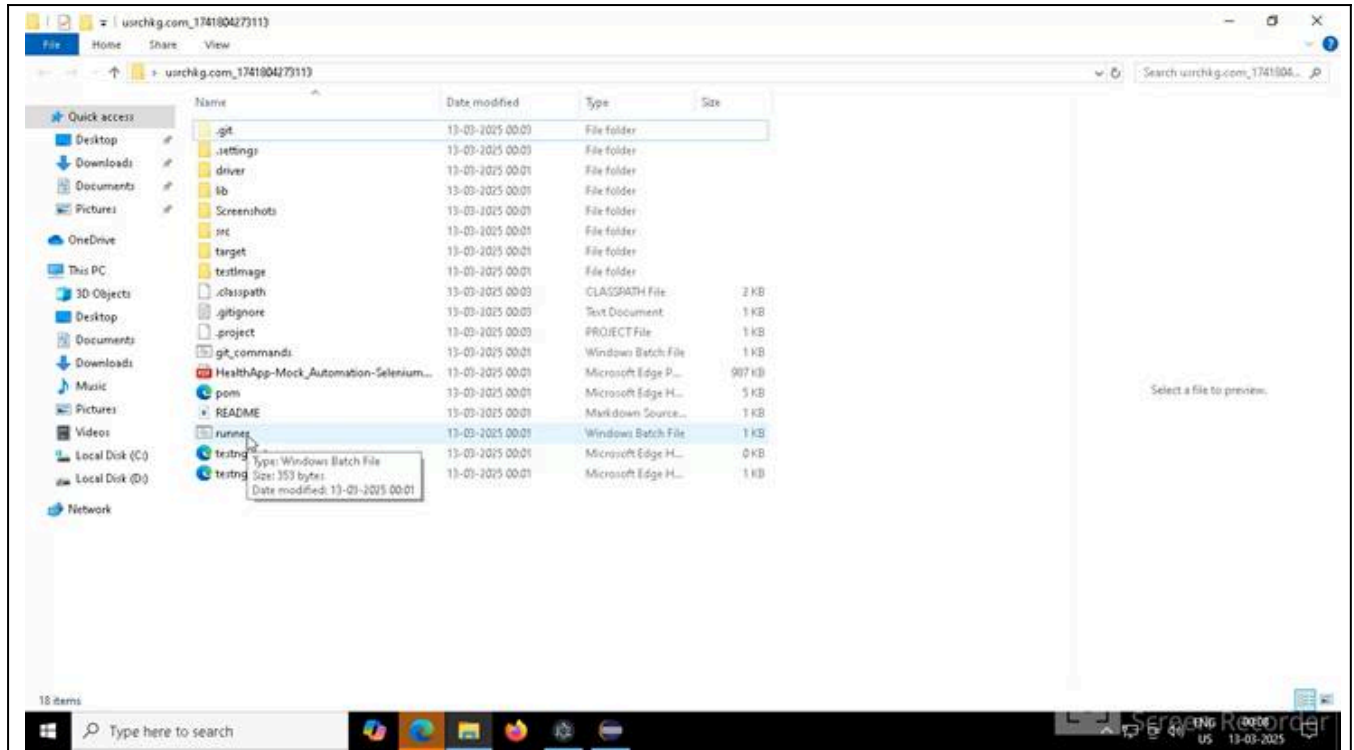


HEALTHAPP AUTOMATION

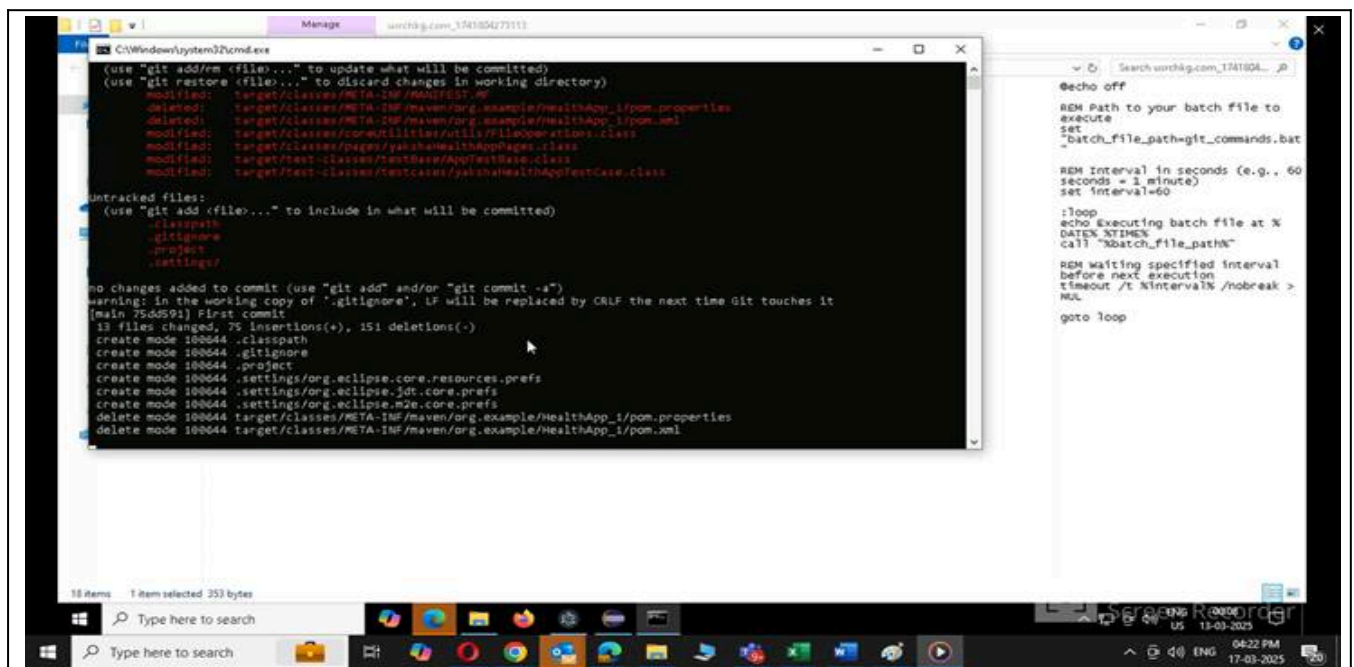
RADIOLOGY MODULE - PL1

## Pre-requisite:

Before you start working on your project, execute the runner file present in your project folder (Simply by double click). **This is mandatory.**

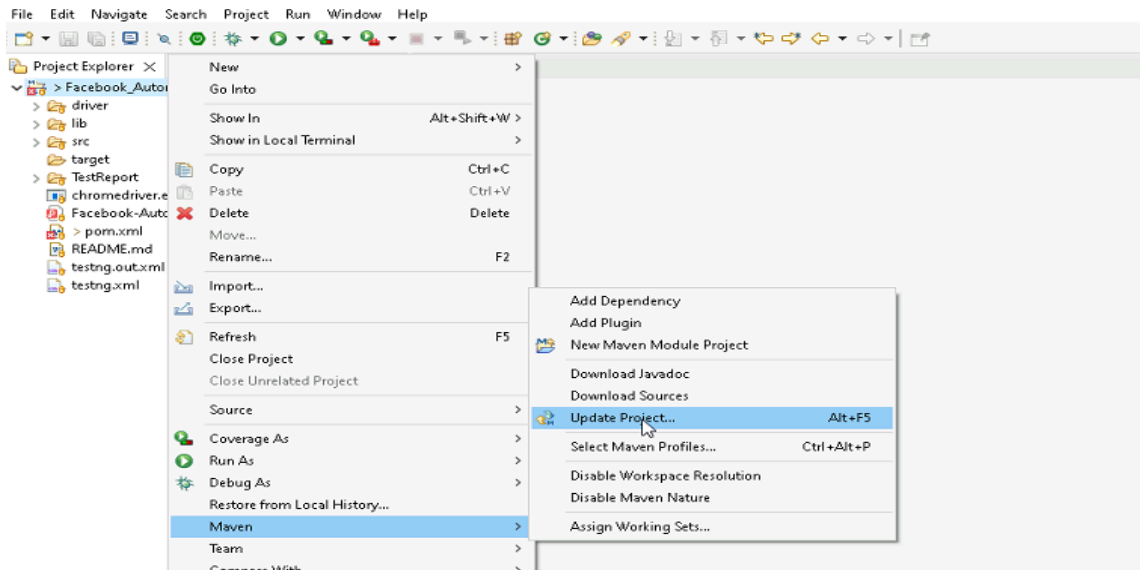


This will launch a command terminal for you where it will keep on pushing your updated code to GIT on regular intervals. Keep that command terminal open at backend and you can continue working on your project.

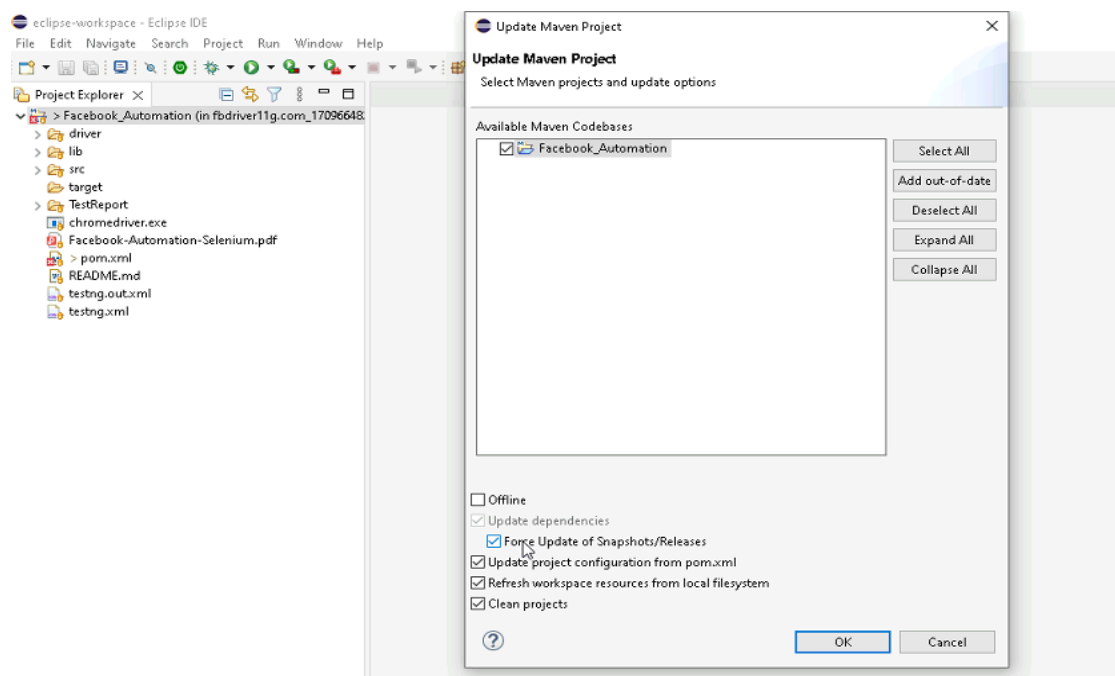


As soon as you import the project in Eclipse, update the project using the maven update option as below. This is to resolve the issue if any Maven dependency not downloaded properly:

1. Right-click on 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.

<b>Package</b>	<b>Class/File</b>	<b>Description</b>
src/main/java/coreUtilities/utis/	FileOperations.java	<b>The method for reading data as input from an Excel file has already been implemented here.</b> <b>This method is used to fetch the required data from Excel including the URL for navigation.</b>
/src/main/java/pages	radiology_page.java	<ol style="list-style-type: none"><li>1. All core activities (mentioned in the list above) are to be performed here.</li><li>2. The comments associated with each templated method here describe the expectation.</li><li>3. You can define locators and xpath here.</li><li>4. Declare any variable/object you need to share data/status between different methods.</li><li>5. Do not modify the signature of methods declared here.</li><li>6. You can create additional supportive common methods in CommonEvents class.</li></ol>
/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/utills	CommonEvents.java	<ol style="list-style-type: none"> <li>1. Contains all common activities.</li> <li>2. Certain templated common methods are declared here.</li> <li>3. You implement them as per your needs.</li> <li>4. You can add any additional method for common activity here</li> </ol>
	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:

#	Summary	Action	Expected Result
1	Ensure that the Radiology module is available in the App.	<b>Steps:</b> <ol style="list-style-type: none"> <li>1. gotoURL: <a href="https://healthapp.yaksha.com/">https://healthapp.yaksha.com/</a></li> <li>2. log in with a valid credential (username: admin, password: pass123) and click on the "Sign in" Button.</li> <li>3. Scroll through the main menu to find the Radiology section.</li> <li>4. Click on the Radiology module.</li> </ol>	Verify the Radiology module Title should be "DanpheHealth".
2	Ensure that all designated sub-modules are correctly displayed under the Radiology module.	<b>Preconditions:</b> The user must be logged into the health App system. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Click on the drop-down arrow (Toggle Key).</li> </ol>	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.	<b>Preconditions:</b> The user must be logged into the healthApp system and located within the Radiology module. <b>Steps:</b> Make sure the radiology module's 'List Request' section is selected.	The 'List Request' section should display the following components:  <b>Fields:</b> search bar. <b>Dropdowns:</b> 'Filter' and 'Date range'.
4	Ensure the smooth navigation between different sub-modules within the Radiology module.	<b>Preconditions:</b> The user is logged into the healthApp system and is within the Radiology module. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Click on the 'List Reports'.</li> <li>2. Click on the 'Edit Doctors' link to navigate to the section.</li> </ol>	Verify that by clicking on each sub-module button the user is able to navigate to the required section.

		3. Click on the 'Ward Billing' option to access it. 4. Finally, navigate back to the 'List Requests'.	
5	Ensure that the 'Next' button is visible after users scroll to the bottom.	<b>Preconditions:</b> The user is logged into the healthApp system. The user is on the "List Request" submodule of the Radiology module. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Make sure the "All" option is selected from the "Filter" dropdown.</li> <li>2. Scroll to the Bottom of the Page if required.</li> </ol>	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.	<b>Preconditions:</b> The user must be logged into the health system. The user is within the Radiology module, specifically in the List Requests section. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Set the "FROM" date to "Jan 2020" and the "TO" date to "March 2024".</li> <li>2. Click on the 'Star' icon.</li> <li>3. Click the "OK" button.</li> <li>4. Click on "Ward Billing"</li> <li>5. Navigate back to the "List Requests" section.</li> </ol>	Verify that After refreshing the page the dates remain as selected.

**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.

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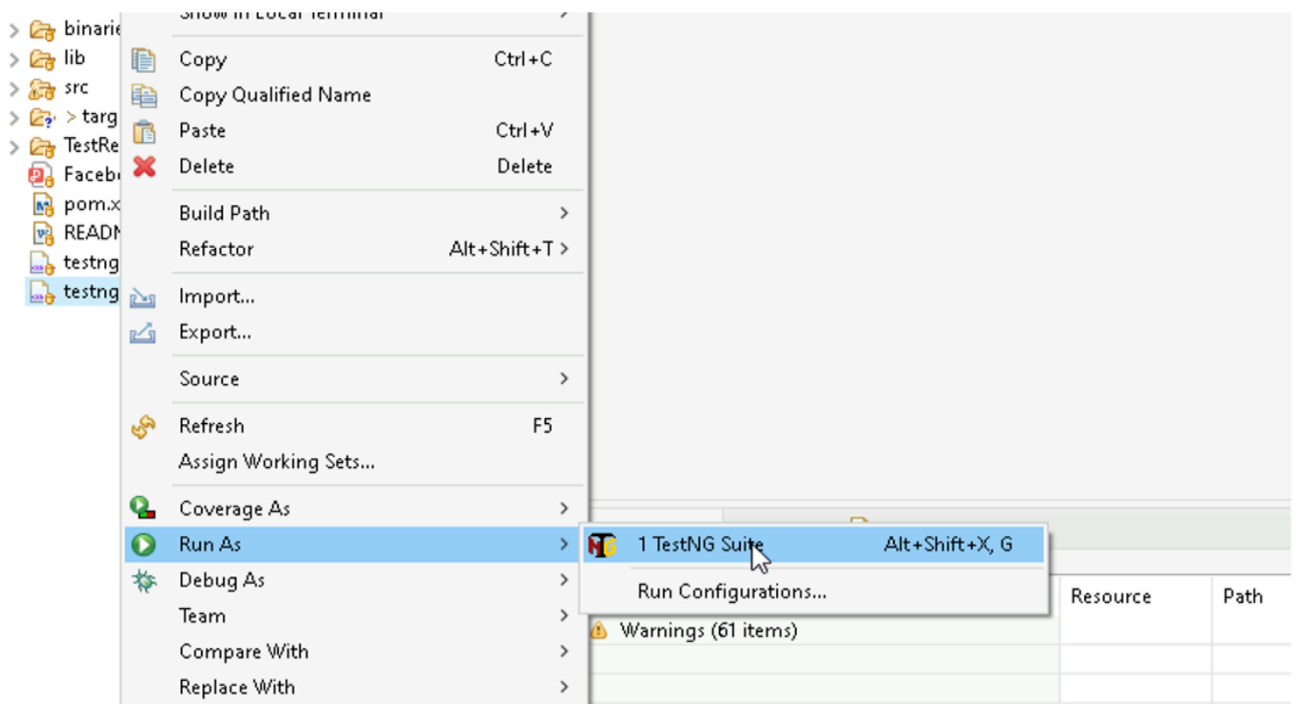
## IMPLEMENTATION/FUNCTIONAL REQUIREMENT

### 1.1 CODE QUALITY/OPTIMIZATIONS

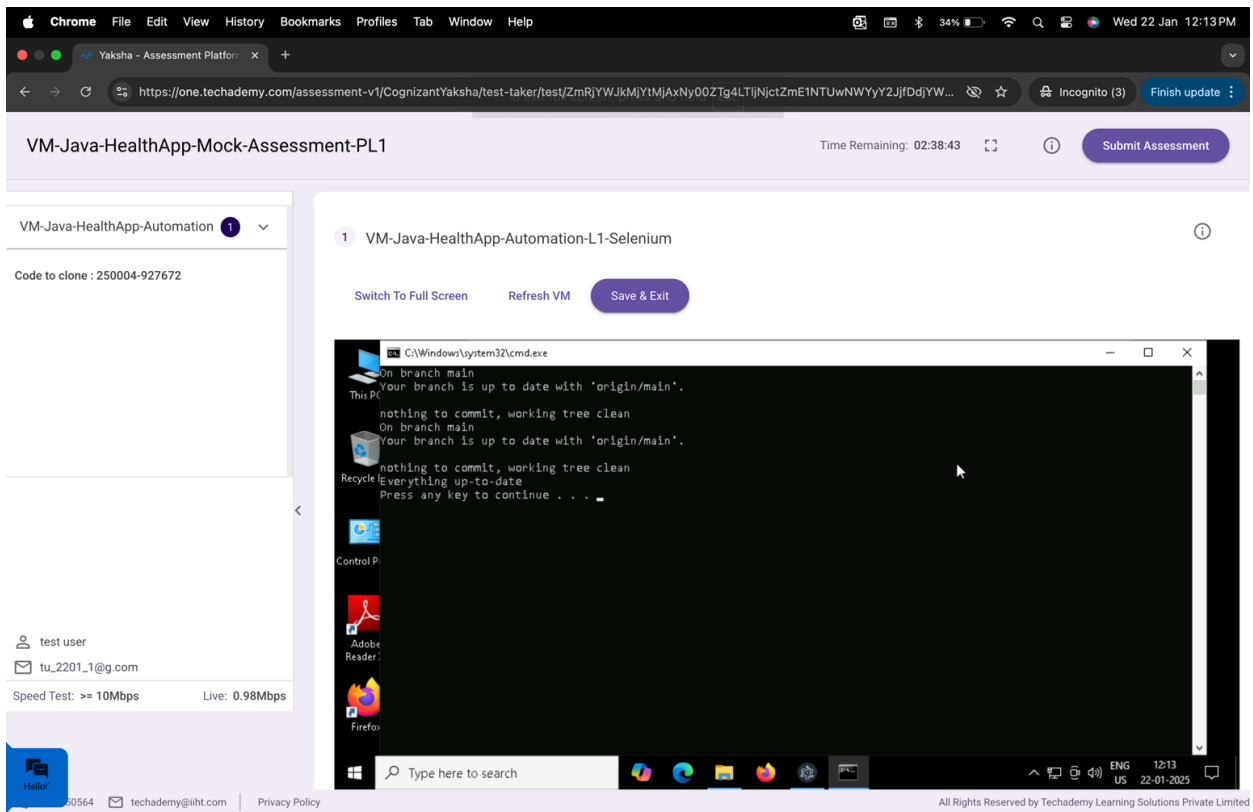
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

## EXECUTION STEPS TO FOLLOW

1. You are mandatory required to run test cases for applications before final submission. Without 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



