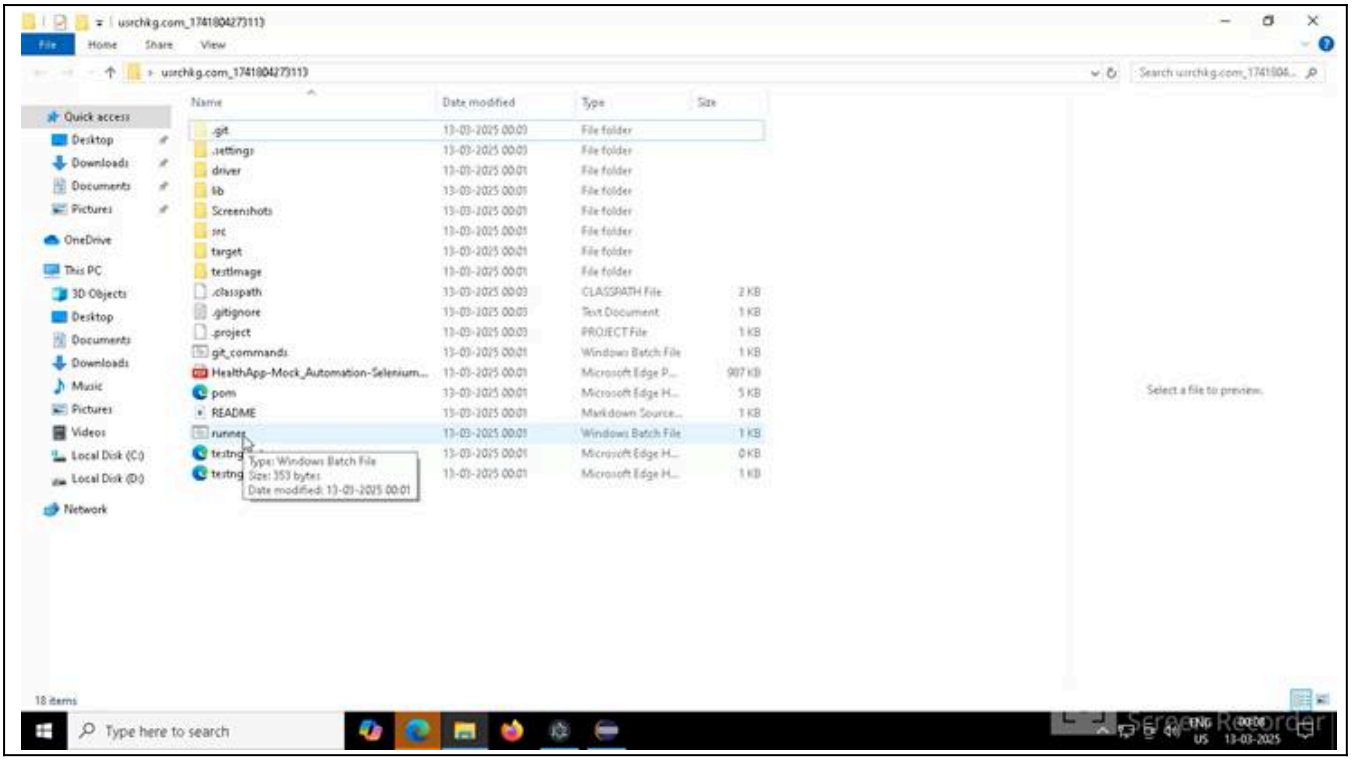
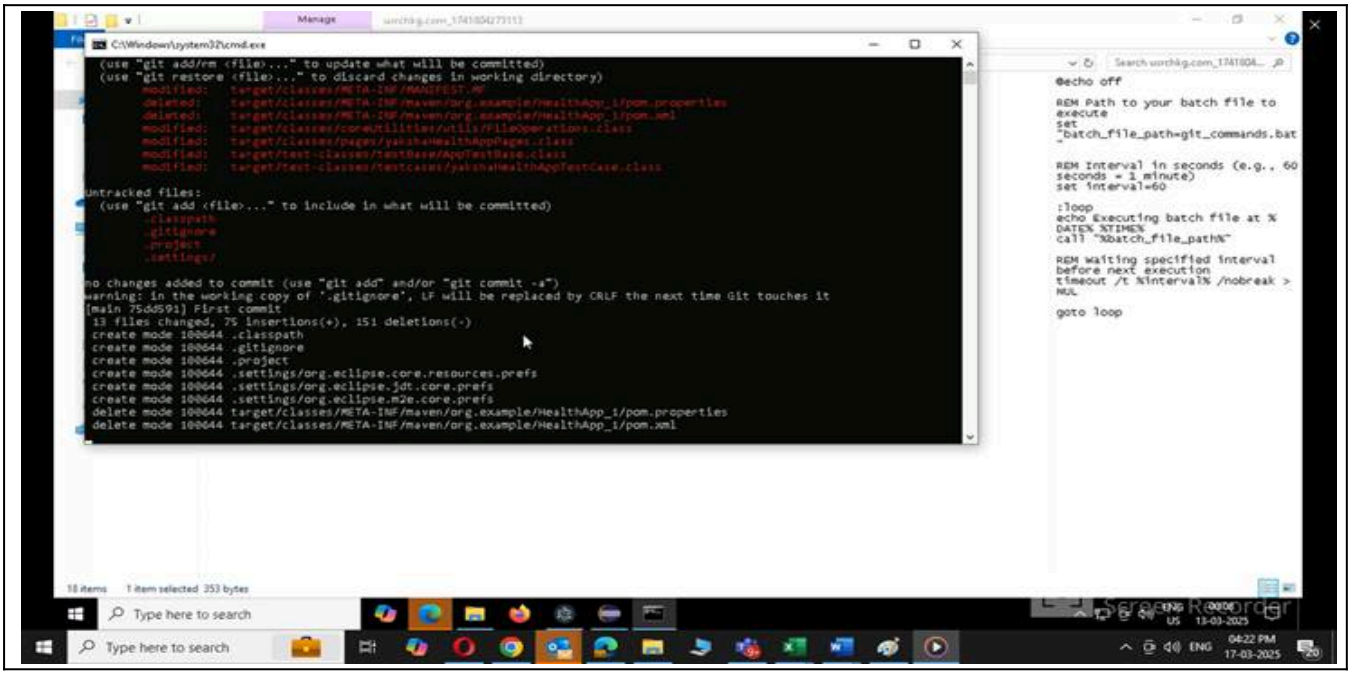
HealthApp Automation
Operation Theatre – PL1

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.

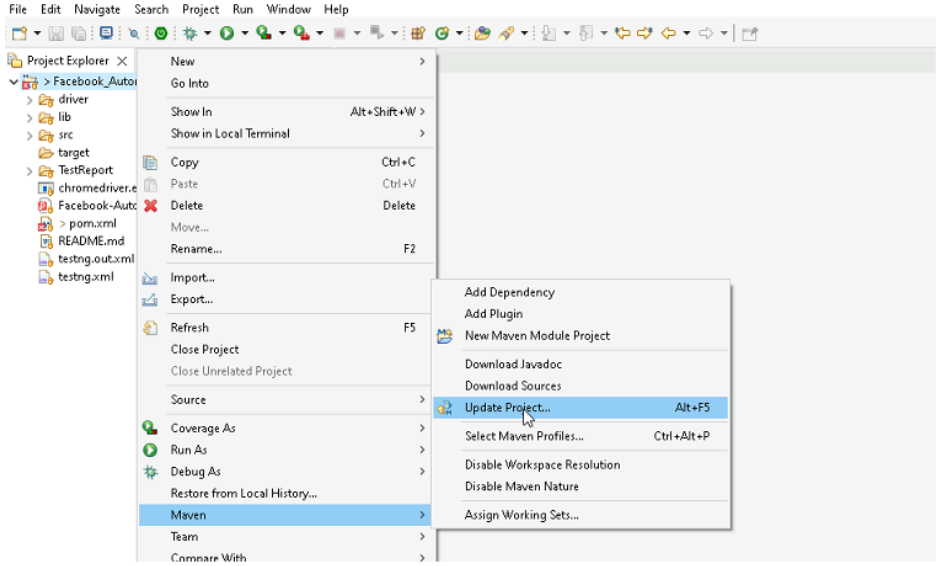


This will launch a command terminal for you where it will keep on pushing your updated code to GIT at regular intervals. Keep that command terminal open at the backend and you can continue working on your project.

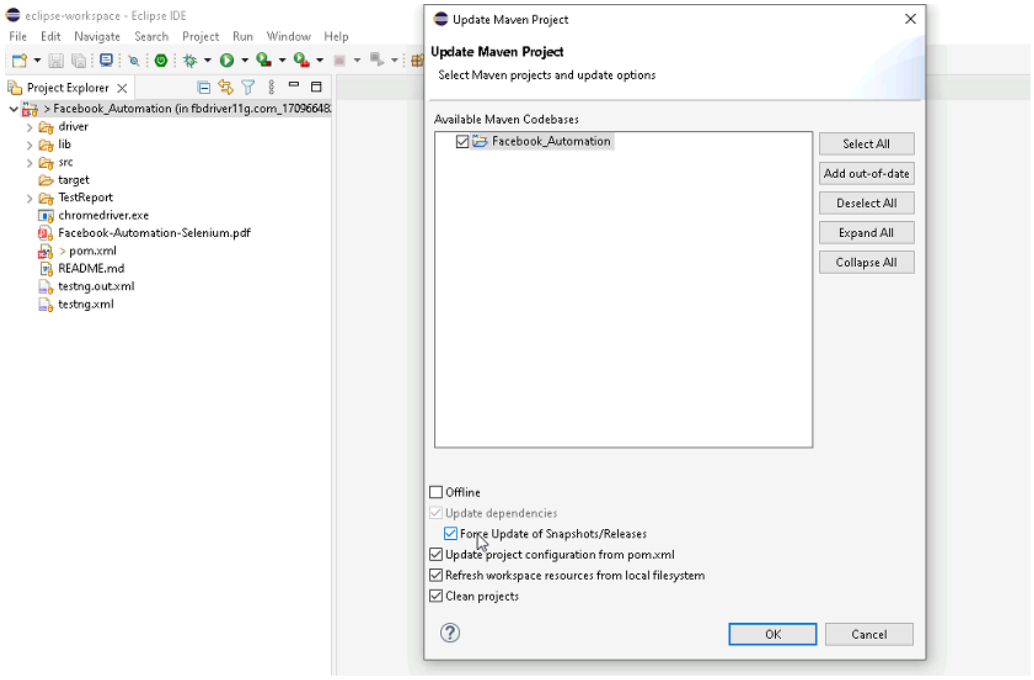


As soon as you import the project in Eclipse, update the project using the maven update option as below. This is to resolve the issue if any Maven dependency not downloaded properly:

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 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/utils/	FileOperations.java	**The method for reading data as input from an Excel file has already been implemented here.** **This method is used to fetch the required data from Excel including the URL for navigation.**
/src/main/java/pages	operationTheatre_Pages.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	URL to navigate to are already defined here
/src/test/java/testdata/	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 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:

Sl No.	Summary	Action	Expected Result
1	Ensure the Title & URL of the home page.	1. go to the URL: https://healthapp.yaksha.com/ 2. login as a valid credential **(username: admin, password: pass123)** and click on the "**SignIn**" Button	The title should be : **DanpheHealth** Url should be : **https://healthapp.yaksha.com/Home/Index#/**
2	Confirm the presence of the OperationTheatre module.	**Preconditions**: The user must be logged in. **Steps**: 1. Click the OperationTheatre module.	Verify that by Clicking the module, the user should be redirected to the appropriate page and The "Hospital Number" header is visible in the designated table on the OperationTheatre page.
3	Ensure that the "New OT Booking" button is present on the OperationTheatre page and that clicking it opens the "Booking OT Schedule | New Patient" form.	**Preconditions**: The user must be logged in and should be on the “Operation Theatre” Module. **Steps**: 1. Click the "New OT Booking" button.	Verify the title of the popup form opened by clicking the button. It should be "Booking OT Schedule | New Patient".
4	Ensure the presence of necessary textboxes on the "Booking OT Schedule | New Patient" form and confirm the accuracy of data entry.	**Preconditions**: The user must be logged into the system and have navigated to the "Booking OT Schedule | New Patient" form. **Steps**:(use Expected_Data.xlsx to fetch and fill the details in the form) 1. Fetch and enter data into the "Select Patient" 2. Fetch and enter data into the "Diagnosis" textbox. 3. Fetch and enter the “Type of Surgery” into the corresponding textbox.	Verify that the value entered into the “Select Patient” is filled properly.
5	Ensure the Placeholder value of the "Remarks" textbox is "Remarks".	**Preconditions**: The user must be logged into the system and present on the "Booking OT Schedule | New Patient" form. **Steps : (No explicit steps here)**	Verify the Placeholder value of the "Remarks" textbox should be as "Remarks". Hint: Placeholder value is the greyed text displayed inside the textbox, which disappears when the user clicks and starts inputting the value.
6	Ensure that entering "Dr. Pooja Mishra" in the surgeon name field triggers the appearance of the corresponding button on the form	**Preconditions**: The user must be logged into the system and on the "Booking OT Schedule | New Patient" form. **Steps**:(use Expected_Data.xlsx to fetch and fill the	Verify that after typing "Dr. Pooja Mishra" and navigating outside the text field, a button with "Dr. Pooja Mishra" should dynamically appear below the surgeon text field.

	just below the **“Surgeon Name”** text field.	details in the form) 1. Fetch and enter “Dr. Pooja Mishra" into the surgeon name text field. 2. Click outside the textbox.	

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/cssselector on their own.

IMPLEMENTATION/FUNCTIONAL REQUIREMENT

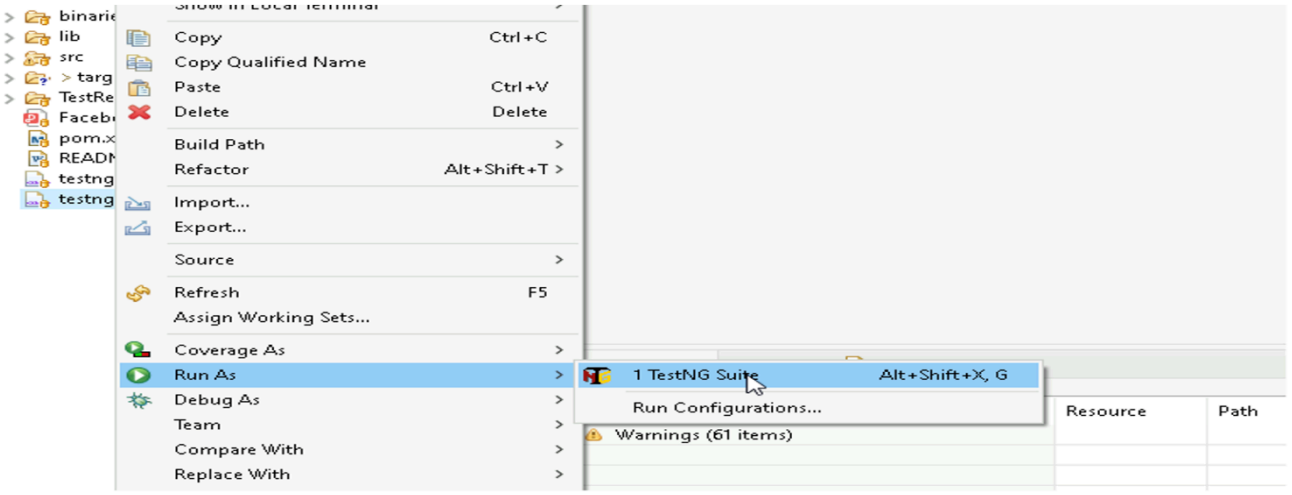
1.1 CODE QUALITY/OPTIMIZATIONS

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

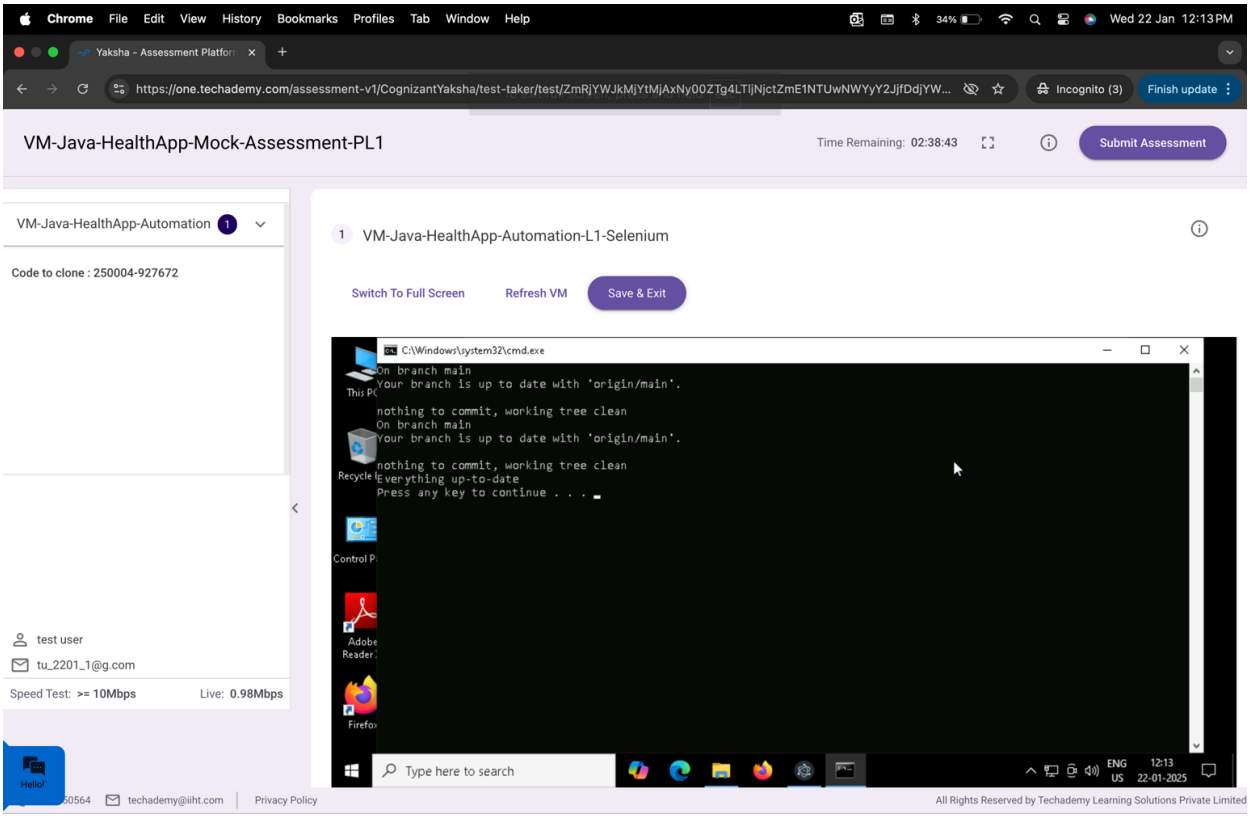
EXECUTION STEPS TO FOLLOW

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