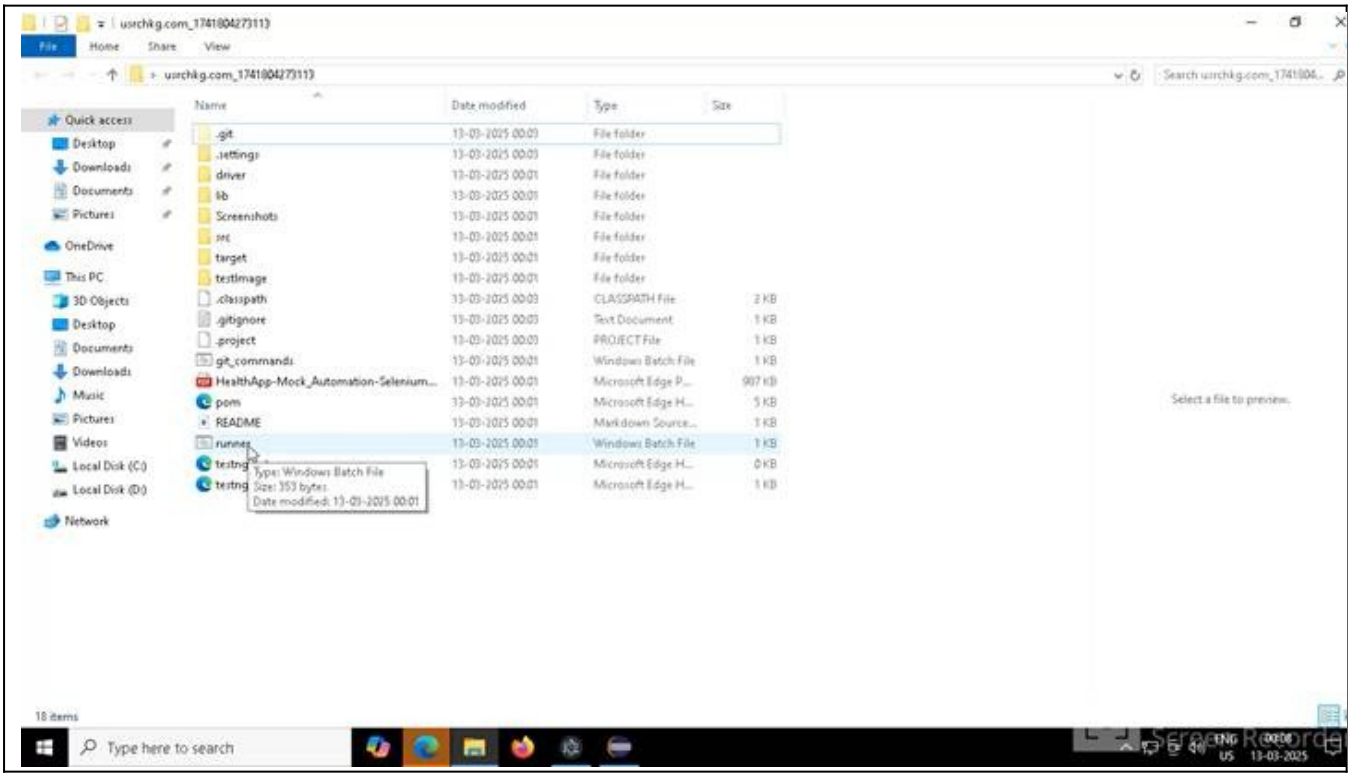
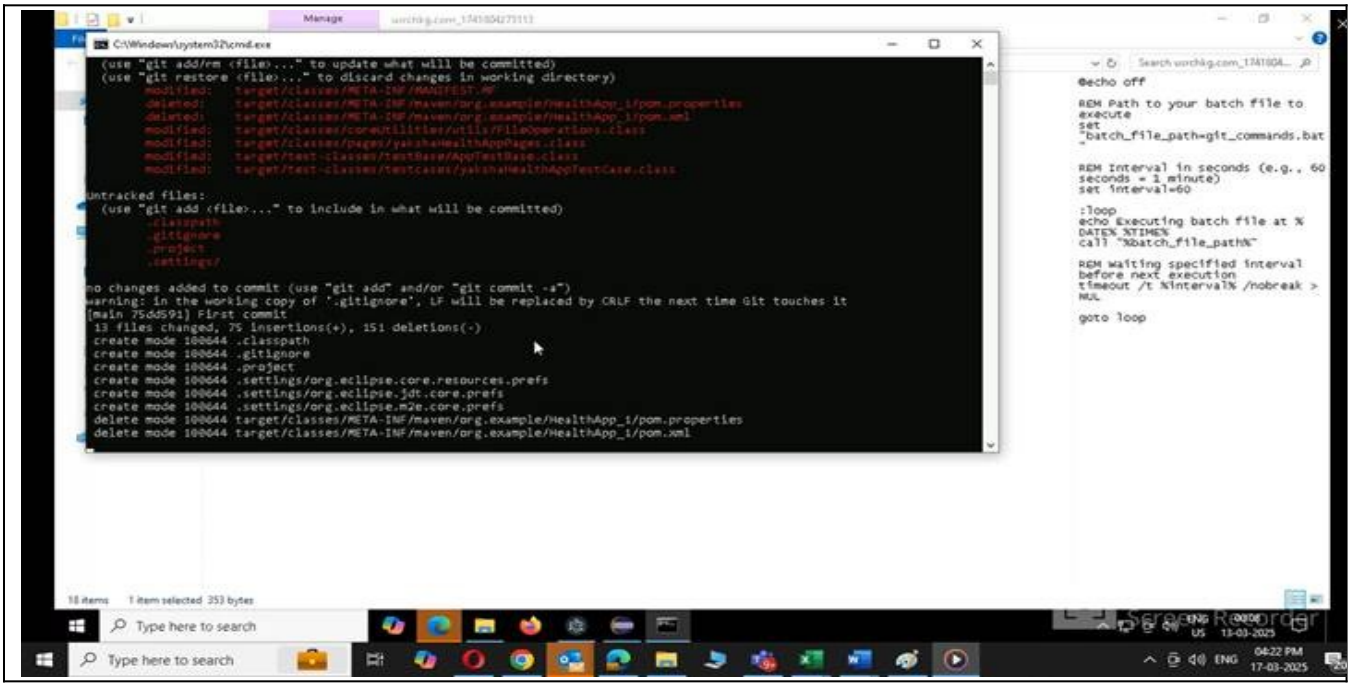
HealthApp Automation-Maternity Module-PL2(9TCs)

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.

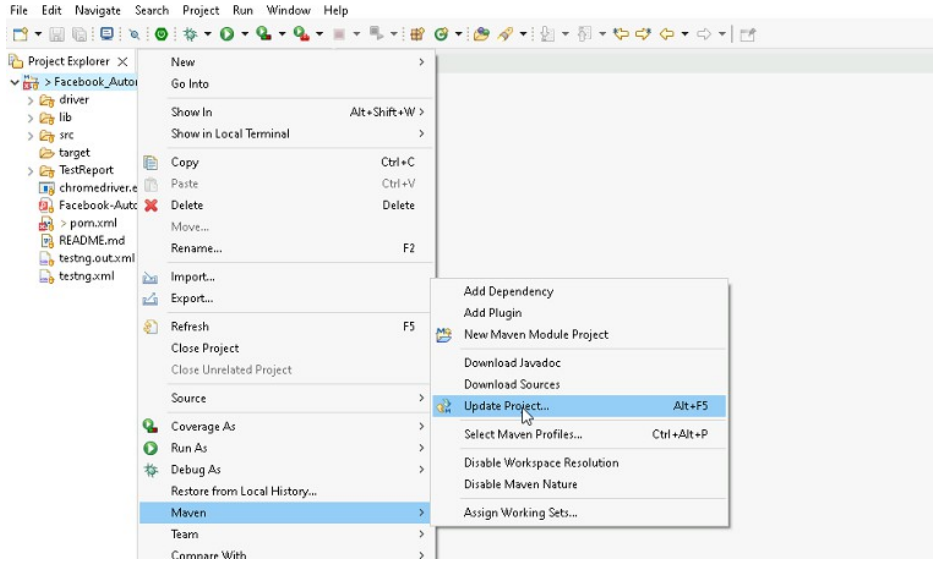


This will launch a command terminal for you where it will keep on pushing your updated code to GIT on regular intervals. Keep that command terminal open at backend and you can continue working on your project.

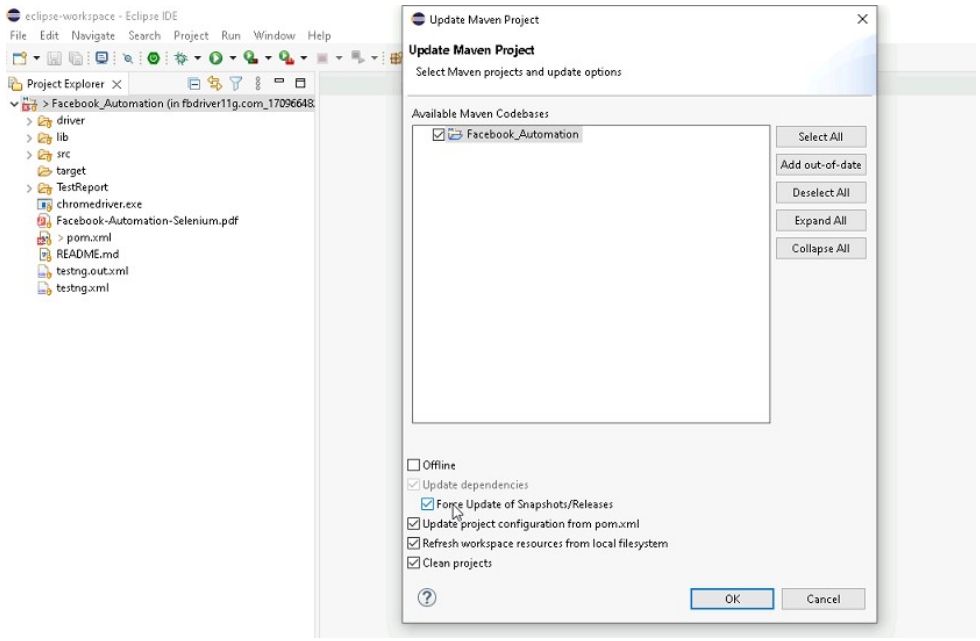


As soon as you import the project in Eclipse, update the project using the maven update option as below. This is to resolve the issue if any Maven dependency is not downloaded properly:

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



0. 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.

a. Other Files and packages you can ignore.

a. In other Files and packages do not do any changes. It would affect your evaluation.

a. 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	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 first activity because even the URL you are navigating to is read using these methods.
/src/main/java/pages	maternity_page.java	1. All core activities (mentioned in the list below "Key Activities to implement") 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 : URL is already defined here
	expected_data.xlsx	Contains data to fill in the form and comparison of values.
/src/main/java/coreUtilities/utils	CommonEvents.java	1. Contains all common activities. 2. A certain templated common method is 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 Maternity module is present.	1. Go to URL: https://healthapp.yaksha.com/ 2. Log in with a valid credential (username: admin, password: pass123) and click on the "Sign in" Button 2. Scroll down the menu till Maternity 3. Click on the Maternity	Verify the URL of the Maternity module. It should be as : https://healthapp.yaksha.com /Home/Index#/Maternity/PatientList”

2	Ensure that all sub-modules are displayed correctly.	**Pre-condition:** The User should be logged in, and it is on the Maternity module. **Steps:** 1. NA	Verify that the Maternity List, Payments, and Reports are being displayed.
3	Ensure that the submodules are live and function properly.	**Precondition:** The User should be logged in, and it is on the Maternity module **Steps:** 1. Navigate to the "Maternity List"sub-module 2. Click on the "Payments". 3. Click on the "Reports". 4. Click on the "Maternity List".	Ensure that URLs contain "Maternity/Payments/PaymentPatientList", "Maternity/Reports", "Maternity/PatientList" as part of the URL on each navigation.
4	Verify the presence of Maternity list with all fields	**Pre-condition:** The User should be logged in and on the Maternity module. **Steps:** NA	Verify the following elements are present on the page. Fields: 1. Search bar: with placeholder as “Search” 2. Text box: Title must be- “Edit Information of” and placeholder must be: “Existing Patient Name” 3. Drop down (looks like a button): use to directly to change the date range. It contains text as: “...” (3 dots) and tooltip as: “range='Not-Set'. Click to change Date Range” 4. Checkbox: With Title: “View all Maternity Patient” 5. 2 Date Pickers: with title: “From:” and “To:” 6. Tooltip: Star figure with tooltip text: “Remember this Date”
5	Create a Maternity record in the "Maternity" list by entering existing patient name in the "Edit Information of" field	**Pre-condition:** The User should be logged in, and it is on the Maternity module. **Steps:** 1. Check for the patient's name "Akshit". 2. Press TAB to trigger the pop-up form. 3. Update Husband's Name. 4. Click the Register button. 5. Click on the Payments link. 6. Click Maternity List. 7. Navigate to the Last Page (if required)	Verify the Updated Husband Name is available in one of the records
6	Verify to search the data by applying the date filter	**Precondition:** The User should be logged in, and it is on the Maternity module. **Steps:** 1. Click on the "From" date 2. Select the "Jan 2020" date 3. Click on the "To" date 4. Select the Current date 5. Click on the "OK" button	Data should be present as per the selected date range The "EDD" column date must fall within the selected date.

7	Ensure the functionality of the “Date Range” button (‘-’ symbol between To Date picker and OK button).	**Precondition:** The User should be logged in, and it is on the” Maternity List” submodule of the “Maternity” module. **Steps:** 1. Click on the data range button(dropdown) 2. Select the "Last 1 Week" option from the drop-down	Verify that the Data should be filtered as per the selected date range using the dropdown. The "EDD" column date must fall within the "one week" range.
8	Ensure the functionality of the "View All Maternity Patient" checkbox.	**Precondition:** The User should be logged in, and it is on the” Maternity List” submodule of the “Maternity” module. **Steps:** 1. Click on the "From" date 2. Select the "Jan 2021" date 3. Click on the "To" date 4. Select the Current date 5. Click on the "OK" button 6. Click the "View All Maternity Patient" checkbox (Located at the top right corner of the page.)	Verify that the hidden records have appeared on the page. **Hint:** Records before clicking the check box should be less than the records after clicking the checkbox.
9	Ensure that entering a keyword matching existing records in the search bar returns the corresponding data.	**Precondition:** The User should be logged in, and it is on the” Maternity List” submodule of the “Maternity” module. **Steps:** 1. Enter the string "2024-08-09" into to search box	Verify that the data is filtered by the search keyword.

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.

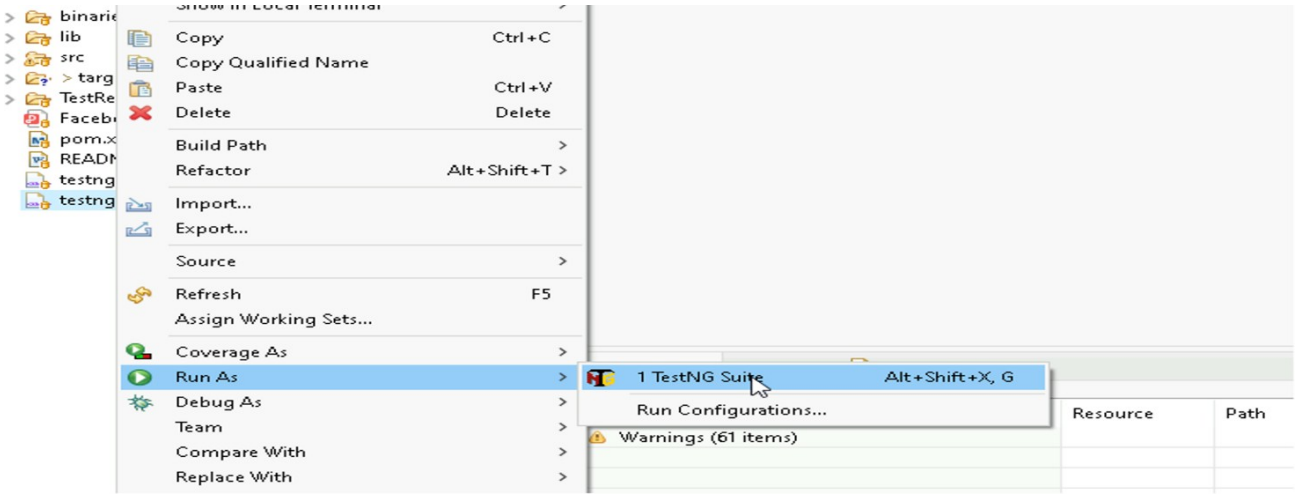
IMPLEMENTATION/FUNCTIONAL REQUIREMENT

1.1 CODE QUALITY/OPTIMIZATIONS

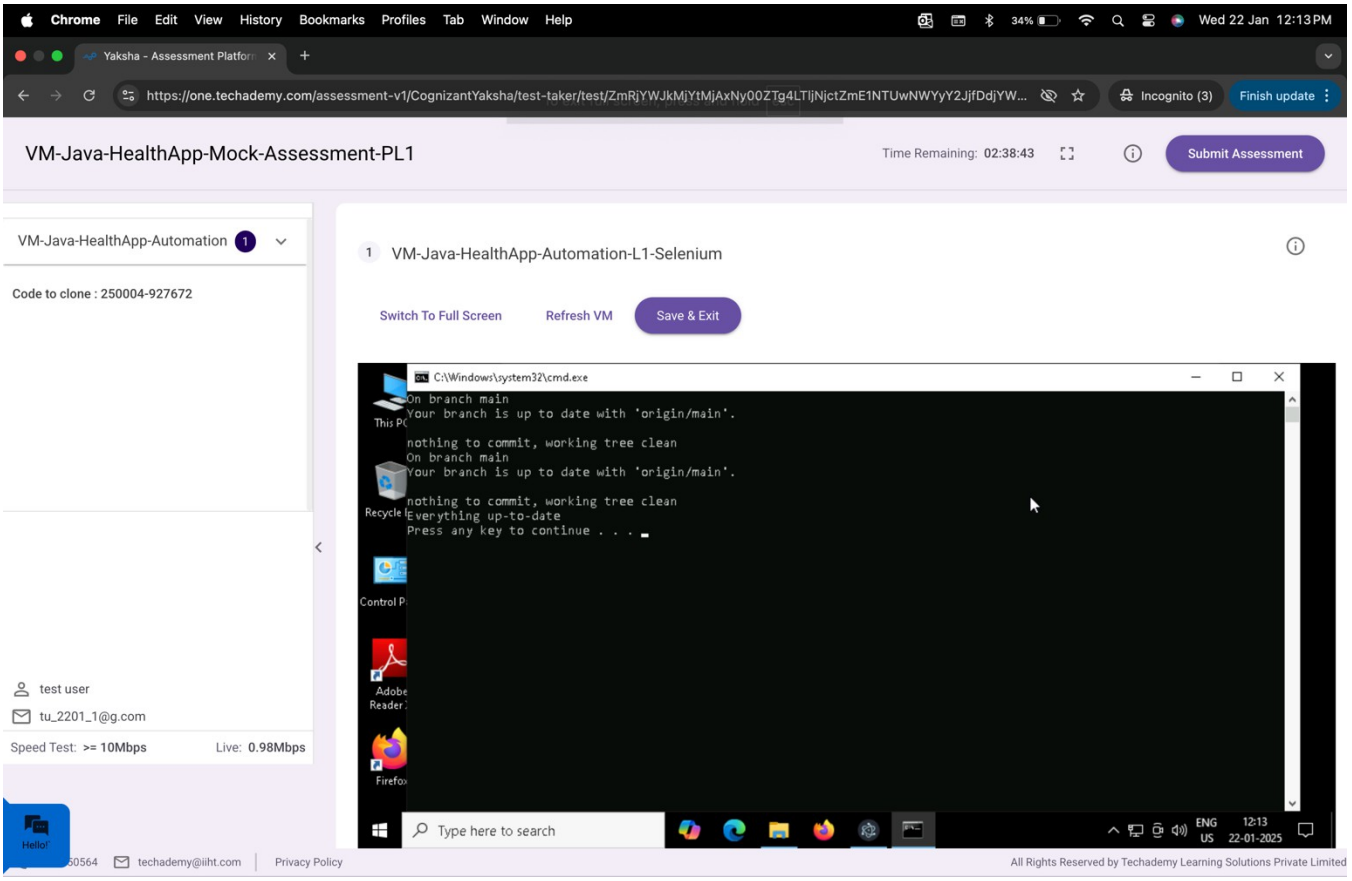
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

EXECUTION STEPS TO FOLLOW

1. **You are mandatory required to run test cases for applications before final submission. Without this, the project evaluation would not have happened.**
2. **You can launch test cases any time as follows: Right-click on testng.xml and run TestNGSuite.**



0. To do the final submission of the assessment :
    a. Press escape to come out of Fullscreen mode.
    a. 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