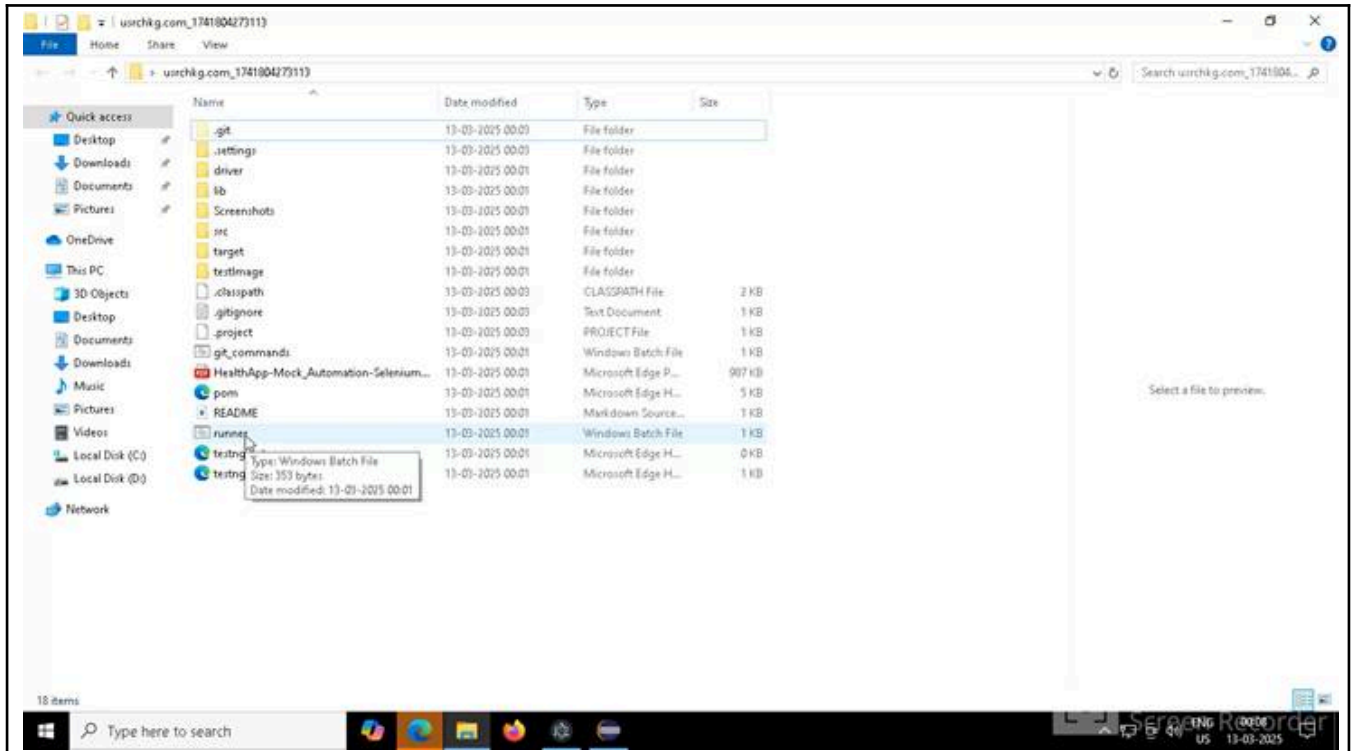# HealthApp Automation

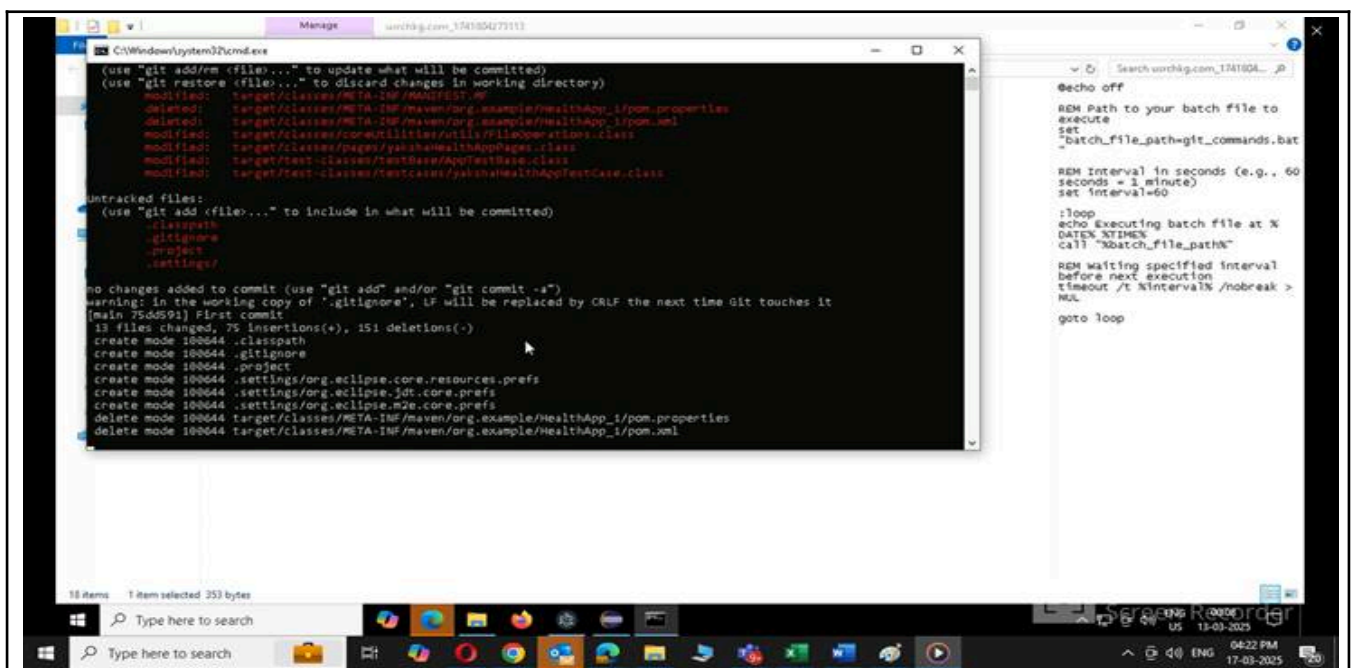# Dispensary module -PL1

Pre-requisite:

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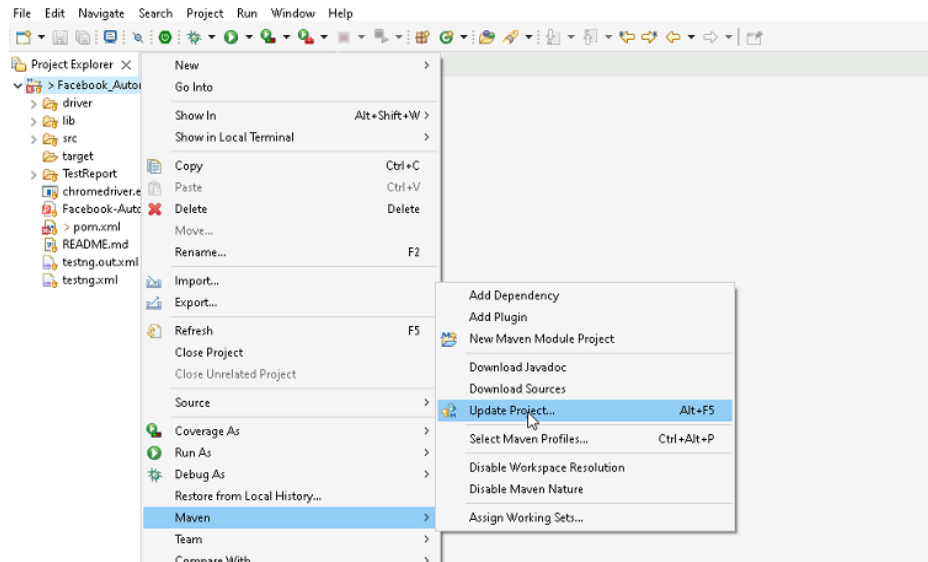

This will launch a command terminal for you where it will keep on pushing your updated code to GIT on regular intervals. Keep that command terminal open at backend and you can continue working on your project.
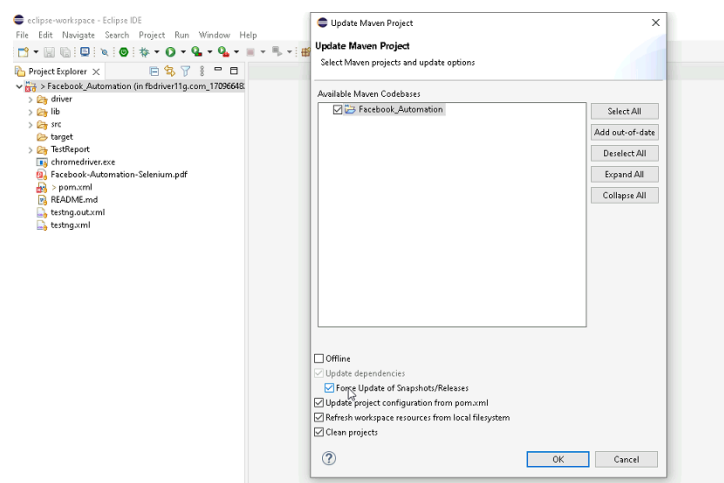
As soon as you import the project in Eclipse, update the project using the maven update option as below. This is to resolve the issue if any Maven dependency is not downloaded properly:

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

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 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	Dispensary_Pages.java	1. All core activities (mentioned in the list above) 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 is 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 methodsare 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	Verify the title and URL of the current page.	1. Go to URL: **https://healthapp.yaksha.com/** 2. Login with a valid credential **(username: admin, password: pass123)** and click on the "**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	The title should be : **DanpheHealth** URL should be : **https://healthapp.yaksha.com/Home/Index#/**
2	Verify the Presence of the Dispensary Module.	**Precondition:** The User must be logged in to the HealthApp System. **Test Steps (for navigation purposes only) :** 1. Navigate to the Left Navigation Panel. 2. Check for the Dispensary Module. Verify the Presence of the Module.	dispensary Module should be present
3	Verify the Presence of Sub-Modules under the Dispensary Module.	**Precondition:** The User must be logged in to the HealthApp System. **Test Steps (for navigation purposes only) :** 1. Locate the "Dispensary" module in the left navigation panel and click the expand icon to view its contents. 2. Look for the following sub-modules within the "Dispensary" module: - Prescription - Sale - Stock - Counter - Reports - Patient Consumption 3. Ensure all listed sub-modules are present.	All mentioned sub-modules should be present under the Dispensary Module.
4	Verify the presence of the following elements at the bottom of the "Sale" page: - Print Invoice Button - Discard Button - Invoice History - Credit Limits and Balances	**Precondition:** The "**Counter**" sub-module of the "**Dispensary**" modules should be pre-selected. **Test Steps (for navigation and verifying the presence of elements only) :** 1. Click on the "Morning Counter" link text 2. It should navigate to the "Sale" page. 3. Scroll to the bottom of the page.	Verify the presence of the following elements at the bottom of the "Sale" page: - Print Invoice Button - Discard Button - Invoice History - Credit Limits and Balances
5	Perform the keyboard operation "Alt+N" to open the "**Add New Patient**" popup form and verify its title.	**Precondition:** The "**Sale**" page must be pre-selected. **Test Steps (to verify the keyboard action) :** 1. Press "**Alt + N**" from the keyboard, 2. Then "A**dd New Patient**" form should popup.	Verify the title of the form is "**Add New Patient**" displayed over the top of the form.

6	Validate the error message shown by the "First Name" text field after clicking the "Ok" Button without filling any information in the form.	**Precondition:** Ensure the "Add New Patient" Form is Open and ready for inputs. **Test Steps (to verify the error message only) :** 1. Attempt to submit the form by clicking the "OK" button without entering any information in the form fields.	Check for an error message that should appear under the "First Name" text field. Verify that the error message is appropriate (e.g., "First Name is required") and clearly visible under the "First Name" text field.
7	Fill all the text fields which are present inside the "Add New Patient" form. Check each field to ensure the information entered is accurate and correctly formatted.	**Precondition:** Ensure the "Add New Patient" Form is Open and ready for inputs. **Test Steps (for the validation of entered data) :** **Fetch the following values from expected_data.xlsx** 1. Enter the valid name in the First Name Field 2. Enter the valid middle name in the Middle Name Field 3. Enter a valid last name in the Last Name Field 4. Enter valid age in the Age Field 5. Enter the Valid number in the Contact Number Field This structured format ensures that all necessary personal details are correctly filled into the "Add New Patient" form.	Given text fields value inside the "Add New Patient" form are filled with appropriate information. The entered data should be correctly displayed in First Name, Middle Name, Last Name, Age and Contact Number Field on **Add New Patient"** form.
8	On the "**New Consumption Entry**'s page, verify the confirmation Message that is "**Are you sure you want to Proceed ?**" .	**Precondition:** The user is logged in and the "Add New Patient" Form is Open. **Test Steps (for the validation of the popup message) :** 1. Click on the cross "X" of the Add New Patient popup. 2. Click on the "**Patient Consumption**" sub-modules of the Dispensary module. 3. Click on the "**New Consumption**" button, then the "New Consumption Entry" form will pop up. 4. Directly click on the "Save Consumption" button without fill any information. 5. Then click on the confirm button. 6. Then close the "New Consumption Entry's page.	Verify the popup with the confirmation message **"Are you sure you want to Proceed ?"** is displayed.

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.

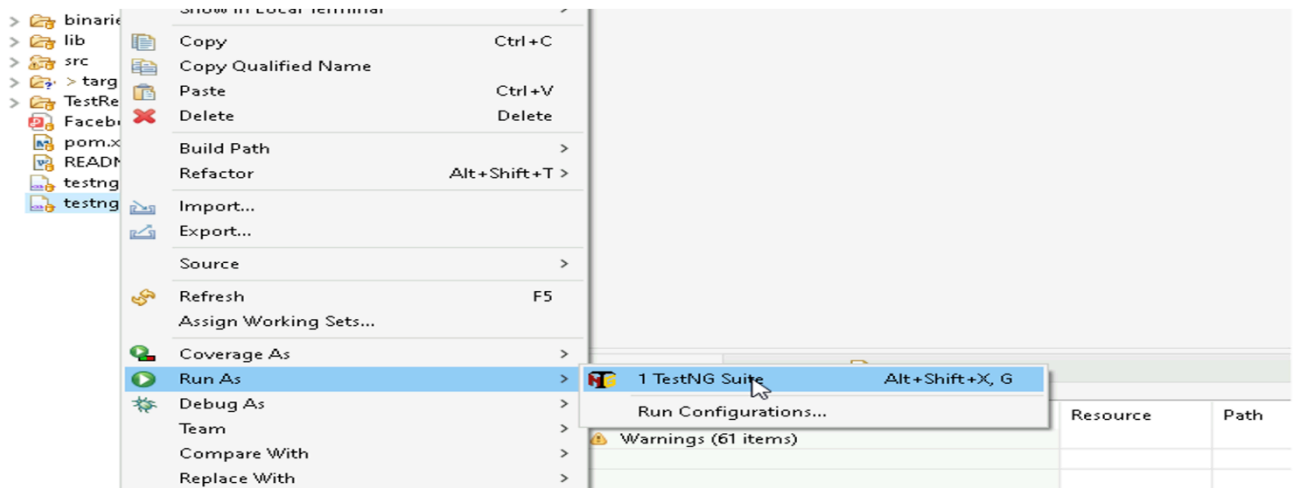## IMPLEMENTATION/FUNCTIONAL REQUIREMENT

1.1 CODE QUALITY/OPTIMIZATIONS

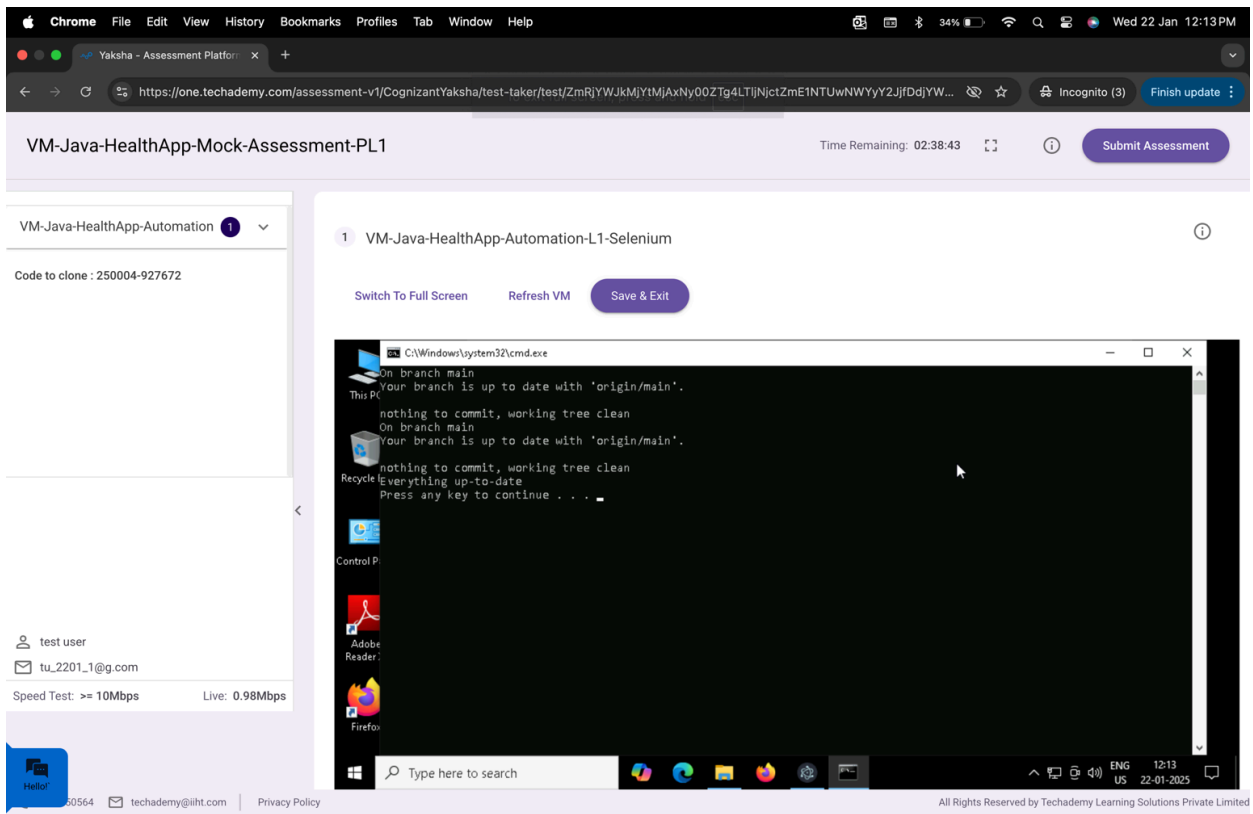1. Associates should have written clean code that is readable.

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