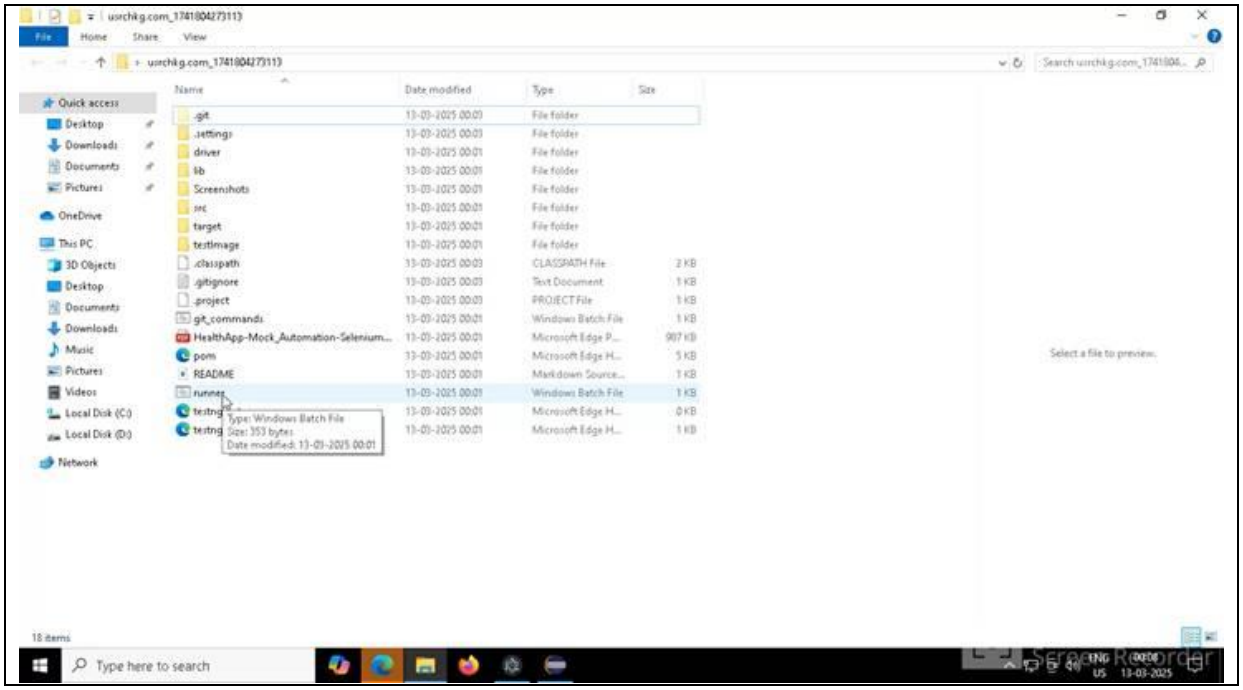
# HEALTH - APP

## VERIFICATION MODULE
## (JAVA,SELENIUM & CUCUMBER)

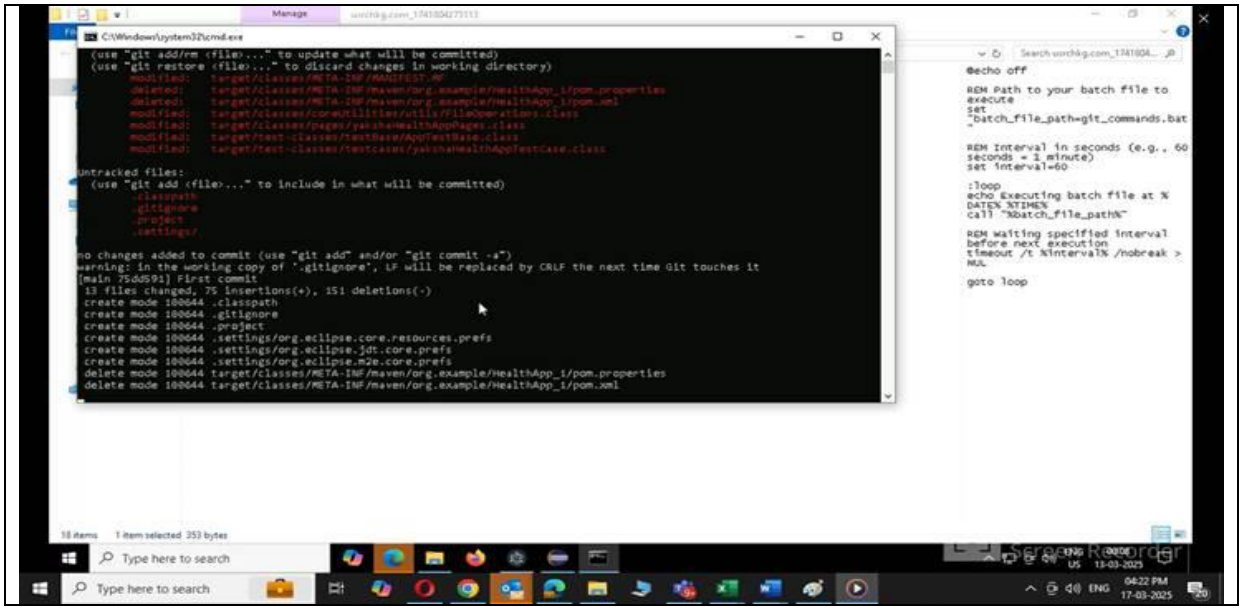
# Table of Contents

# Pre-Requisite

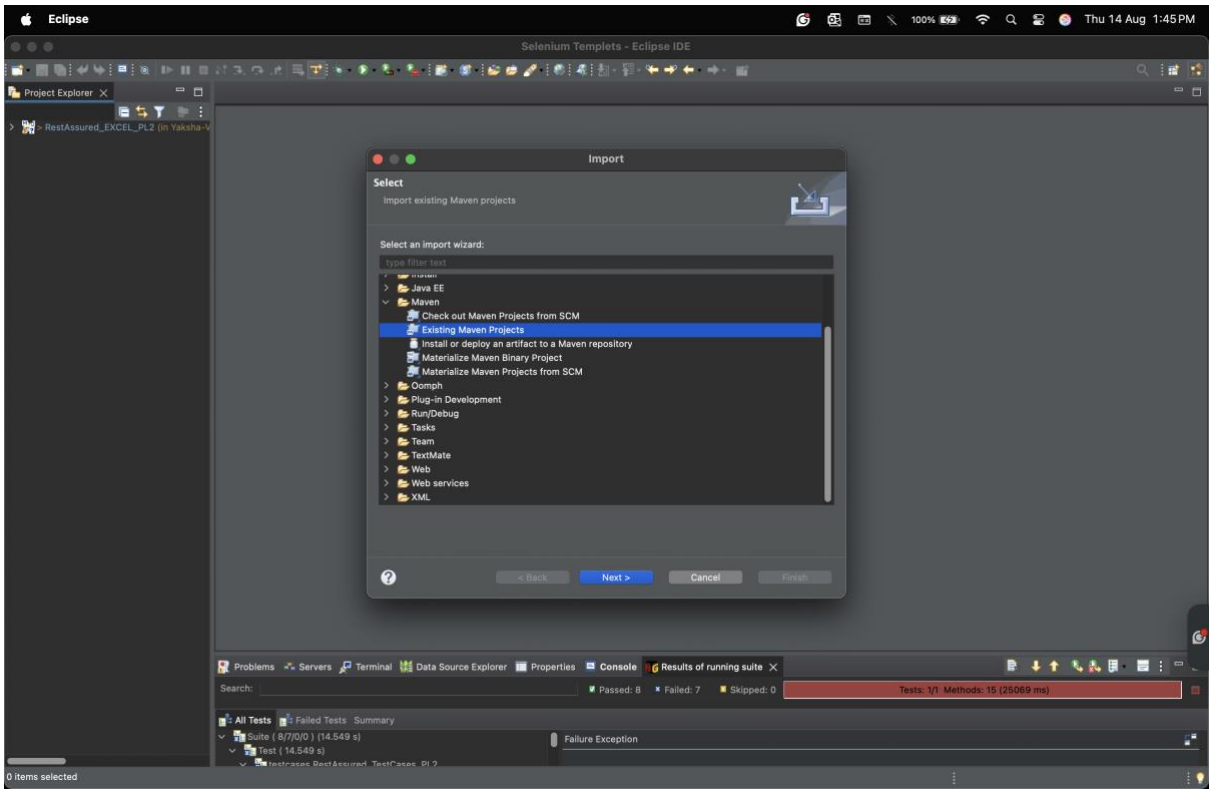
1. Before you start working on your project, **execute the runner file** present in your project folder (Simply by double click) and keep it running. This is mandatory.



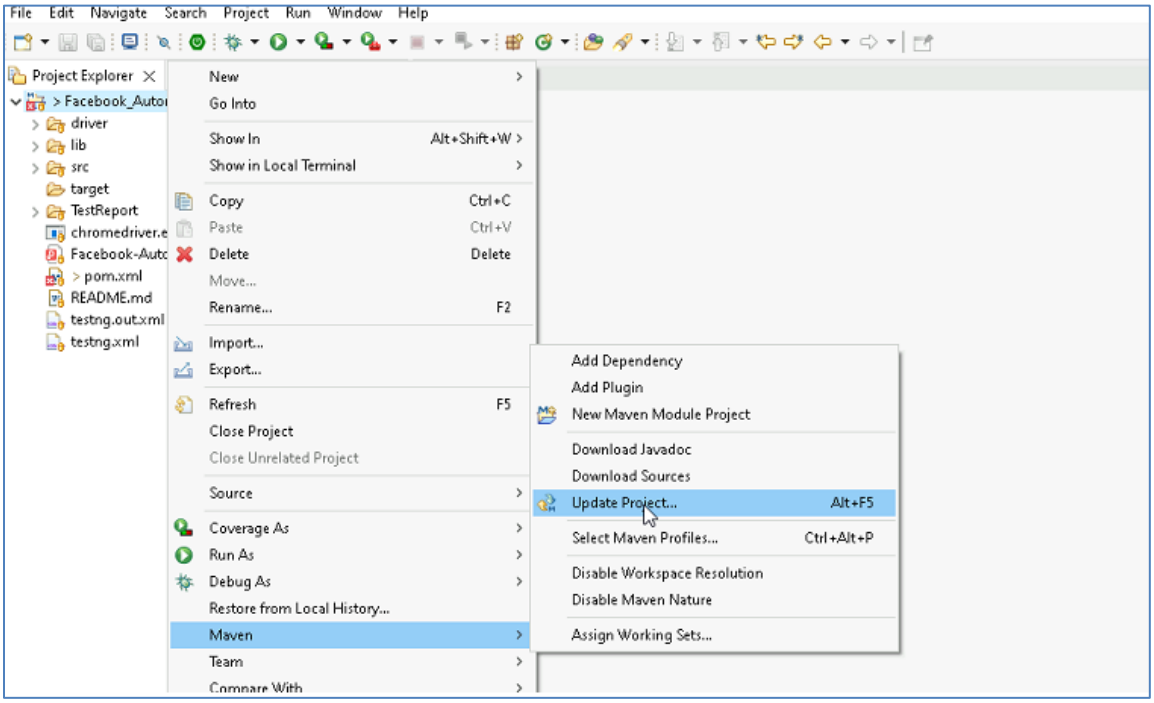
This will launch a command terminal for you where it will keep on pushing your updated code to GIT on regular intervals. Keep that command terminal open at backend and you can continue working on your project.



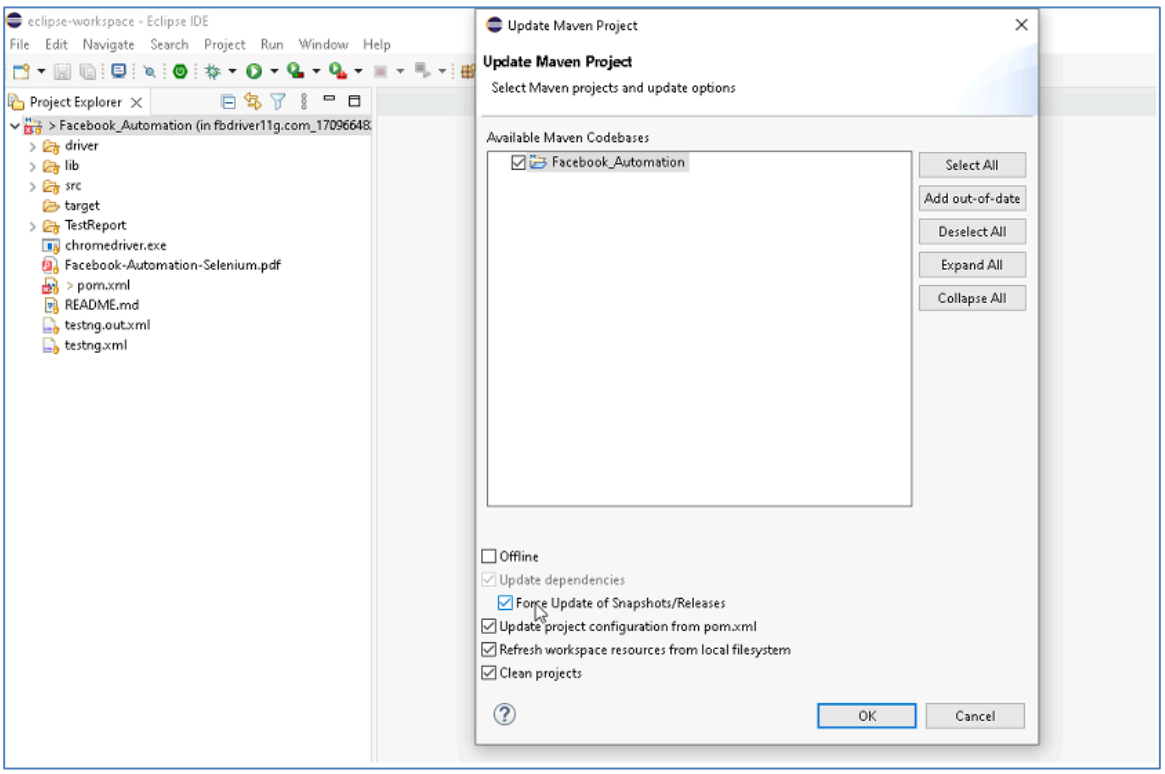
2. Launch the Eclipse IDE(Shortcut icon on VM's Desktop) and import your cloned project to Eclipse as an Existing maven project.




3. As soon as you import the project in Eclipse, update the project using the maven update option as below(if required) . This is to resolve the issue if any Maven dependency is not downloaded properly.
    a. Right-click on the project: Go to “Maven” and select “Update Project”.




    b. In the Update Maven Project Box Select “Force Update of Snapshots/Releases” and click OK.


eclipse-workspace - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Project Explorer
> Facebook_Automation (in fbdriver11g.com_17096648
driver
lib
src
target
TestReport
chromedriver.exe
Facebook-Automation-Selenium.pdf
> pom.xml
README.md
testng.out.xml
testng.xml
Update Maven Project
Update Maven Project
Select Maven projects and update options
Available Maven Codebases
Facebook_Automation
Select All
Add out-of-date
Deselect All
Expand All
Collapse All
Offline
Update dependencies
Force Update of Snapshots/Releases
Update project configuration from pom.xml
Refresh workspace resources from local filesystem
Clean projects
OK
Cancel

# Template Code Structure:

**Instructions:**

1. You only need to work on the packages and files listed in the table below.
2. Ignore all other files and packages.
3. Do **not** make any changes to files outside the listed ones, as this will affect your evaluation.
4. The **"Test"** folder is non-editable. Any attempt to edit and save files there will cause errors and impact your evaluation.

| Package | Class/File | Description |
|---|---|---|
| src/main/java/coreUtilities/utils/ | FileOperations.java | • The method for reading data as input from an Excel file have already been implemented here.<br>• This method is used to fetch the required data from excel including the URL for navigation. |
| src/main/java/coreUtilities/utils/ | CommonEvents.java | • Create additional supportive common methods here. |
| /src/main/java/pages | VerificationPage_PL1.java | • Perform all core activities listed under the table "Key Activities to implement" here.(This table is given below.)<br>• Refer to the comments in each templated method to understand what's expected.<br>• Define locators and XPaths in this file.<br>• Declare any variables or objects needed to share data or status between methods.<br>• Do not change the method signatures.<br>If needed. create additional supportive common methods in the CommonEvents class. |
| /src/test/java/features/ | Verification_PL1.feature | • The file has incomplete scenarios.<br>• You must fill them in according to the requirement.<br>• Steps should follow Given-When-Then structure.<br>• The scenarios should fully validate the requirement. |
| src/test/java/steps/ | VerificationStep.java | • It's a step definition file.<br>• Each step in Verification_PL1.feature must be linked here. |
| /src/main/resources/ | Config.xlsx | • URL to navigate to is already defined here |
| | Login.xlsx | • Contains valid credentials required for use login |
| | expected_data.xlsx | • Contains data to fill in form during TCs execution. |
| | testng_1.xml | • Execution needs to kick started from testng_1.xml |

# PROBLEM STATEMENT:

We need to automate the following activities using Java+Selenium+Cucumber.

# Key Activities to implement:

**Use the credentials to log in to the "Health App" application.**
User Name: "admin"
Password: "pass123"

| # | Summary | Action | Expected Result |
|---|---|---|---|
| 1 | Ensure that the verification module is present. | • Log in to HealthApp System with given credentials.<br>• Scroll till "Verification" menu on the side bar.<br>• Click on it. | Then Verify that the user is able to navigate to "Verification" section. Return a Boolean value 'true' as a positive acknowledgement. |
| 2 | Scenario: Verify all sub-modules are displayed correctly after Clicking on the "verification" Module. | • Log in to HealthApp System with given credentials.<br>• Scroll till "Verification" menu on the side bar.<br>• Then Verify that the user is able to navigate to "Verification" section | Verify that "Inventory" and "Pharmacy" button is visible.<br><br>Return True if the user is successfully navigated to the submodules, False otherwise. |
| 3 | Verify that the "Requisition" tab is present in the "Inventory" section | • Log in to HealthApp System with given credentials.<br>• Scroll and click on the "Verification" menu.<br>• Click on "Requisition" under the "Inventory" section. | Verify visibility of the "Inventory" button.<br>Verify visibility of the "Pharmacy" button.<br><br>Verify the following elements are visible on the Requisition page:<br>Requisition, Purchase Request, Purchase Order, GR Quality, Inspection, OK, Print<br>First, Previous, Next, Last<br>View, Search bar ,Requisition Status, Date range , Pending, Approved, Rejected<br><br>test case will return a boolean value: True if all verifications pass and all expected elements are visible. False if any step fails or any element is missing. |
| 4 | Verify that the user can navigate to "Pharmacy" tab. | • Log in to HealthApp System with given credentials.<br>• Scroll and click on the "Verification" menu.<br>• And click on "Pharmacy" tab | Verify that the user is able to navigate to the "Verification/Pharmacy/" section.<br><br>The function implementing this test case will return a Boolean value: True if the user is successfully navigated. False otherwise. |
| 5 | Verify to navigate on another sub tab after open the Requisition tab | • Log in to HealthApp System with given credentials.<br>• Scroll and click on the "Verification" menu. | Verify that the user is able to navigate to "Verification/Inventory/PurchaseOrder" section |

| | | | |
|---|---|---|---|
| | | • Then Verify that the user is able to navigate to "Verification" section<br>• Click on "Purchase Order" under "Inventory"<br>• Then | The function implementing this test case will return a Boolean value: True if the user is successfully navigated.<br>False otherwise. |
| 6 | Verify that the user can search data using the date filter, and all results fall within the selected date range | • Log in to HealthApp System with given credentials.<br>• Scroll and click on the "Verification" menu.<br>• Select a date range from January 2020 to March 2024.<br>• Click the "All" radio button under List by Verification Status.<br>• Click the OK button to apply the filter. | Retrieve and verify that all dates in the result set fall within the selected date range.<br><br>The function implementing this test case will return a Boolean value: True if dates filtered successfully.<br>False otherwise. |
| 7 | Verify the tooltip and it's text present on hover the mouse on "Star" | • Log in to HealthApp System with given credentials.<br>• Scroll and click on the "Verification" menu.<br>• Then Hover on the star and click it. | Verify tooltip text as "Remember this Date" |
| 8 | Verify that the selected date range is retained even after navigating away from and back to the "Inventory" tab in the Verification section. | • Log in to the HealthApp System.<br>• Scroll and click on the "Verification" menu.<br>• Select a date range from January 2020 to March 2024.<br>• Click on the tooltip button.<br>• Click on the OK button.<br>• Navigate to the "Pharmacy" tab.<br>• Navigate back to the "Inventory" tab. | Verify that the previously selected date range (Jan 2020 to March 2024) is still applied and displayed.<br><br>The function implementing this test case would return a Boolean value: True if dates remembered successfully. False otherwise. |
| 9 | Scenario: Verify data range by Select "one week" option from drop down | • Log in to the HealthApp System.<br>• Scroll & click till "Verification" menu.<br>• Select 'Last 3 Months' option from the date range dropdown<br>• Click on OK button | Then Verify that all the dates present inside the requested date are within the range.<br><br>The function implementing this test case would return a Boolean value: True if dates remembered successfully. False otherwise. |
| 10 | Verify following radio buttons are selectable: Pending, Approved, Rejected & All | • Log in to the HealthApp System.<br>• Scroll & click till "Verification" menu.<br>• Click on the "pending" Radio button<br>• Click on the "approved" Radio button<br>• Click on the "rejected" Radio button<br>• Click on the "all" Radio button from List by Verification Status<br>• Click on the "pending" Radio button from List by Verification Status | Verify the user is successfully able to toggle the radio buttons.<br><br>The function implementing this test case would return a Boolean value: True if user toggle radio buttons successfully. False otherwise. |

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.

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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.

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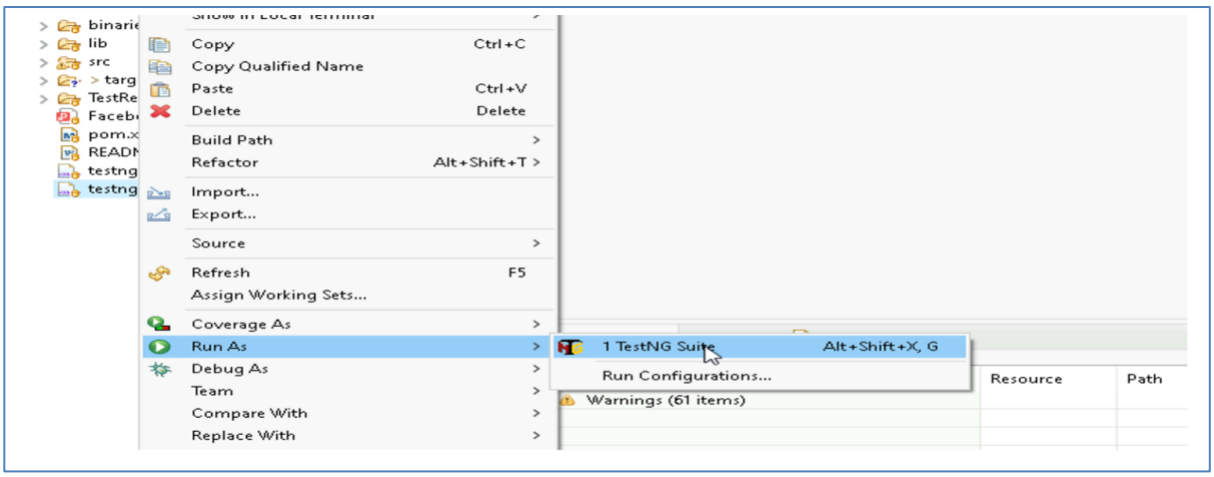
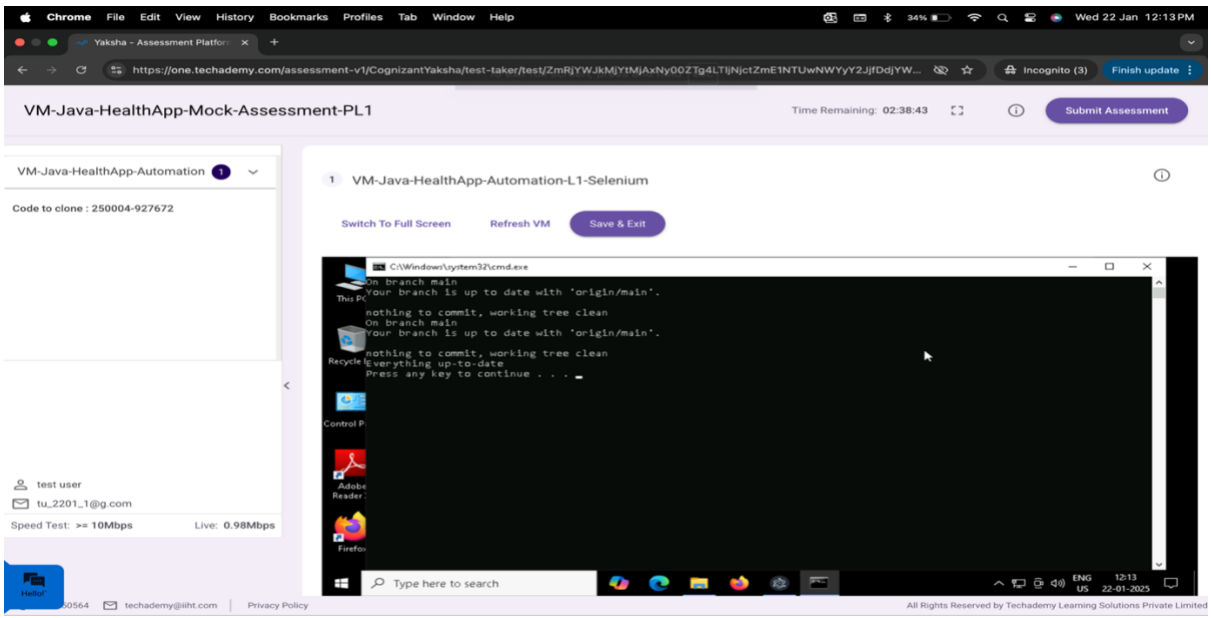
# EXECUTION STEPS TO FOLLOW:

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 as TestNGSuite.**




3. To do the final submission of the assessment :
   a. Press escape to come out of Fullscreen mode.
   b. Submit the assessment **(Press the button on right hand side , top corner).**




After the successful submission of the assessment, you will get a confirmation message displayed on your screen.

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All the Best