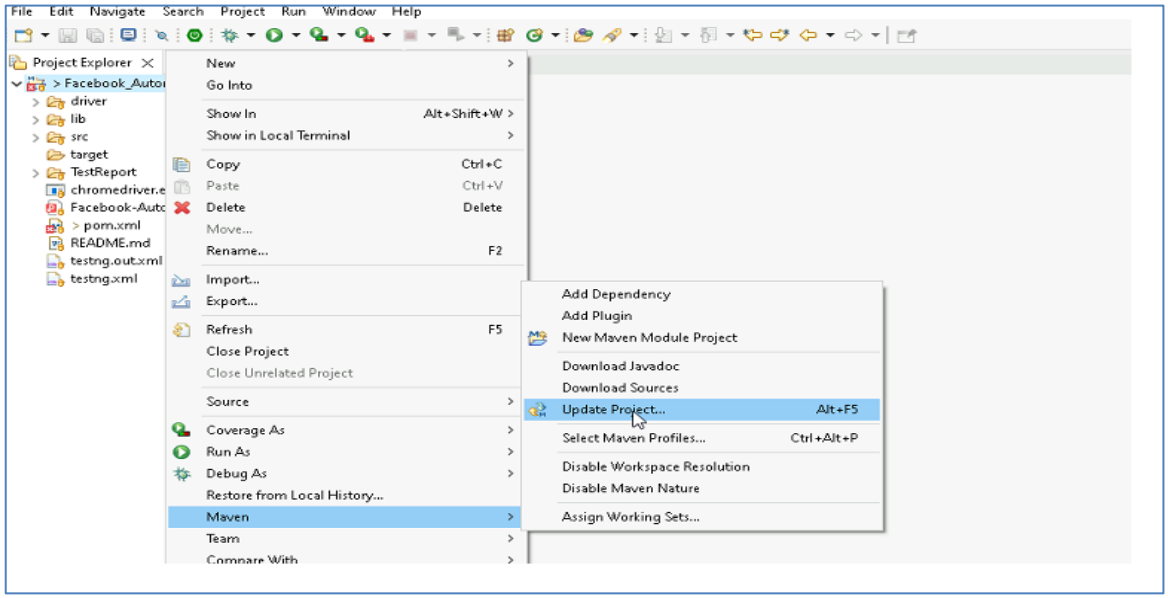
HealthApp Automation MedicalRecord - PL1

HealthApp Automation

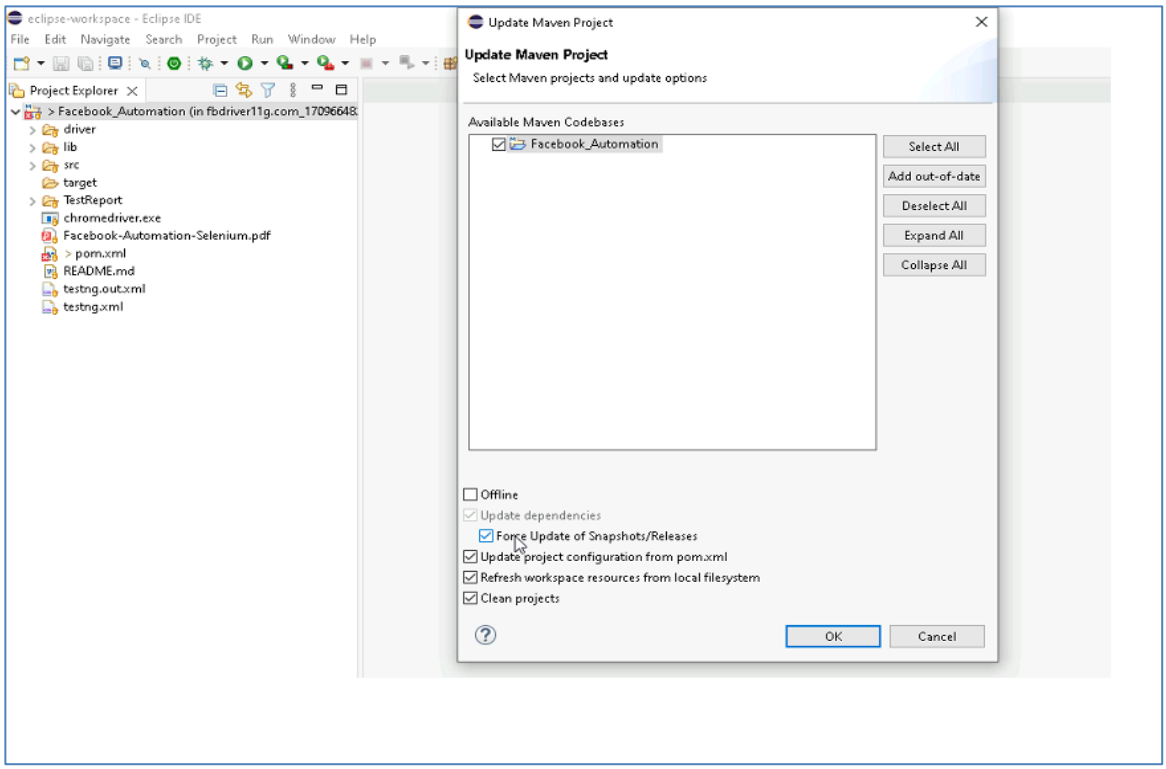
Pre-requisite:

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

1. Right click on project : Go to “Maven” : Select “Update Project”



2. In 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 have already been implemented here.** **This method is used to fetch the required data from excel including the URL for navigation.**
/src/main/java/pages	medicalRecord_page.java	1. All core activities (mentioned in list above) 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. Already URL is defined here
	expected_data.xlsx	Contains data to fill in form\

/src/main/java/coreUtilities/utils	CommonEvents.java	1. Contains all common activities. 2. Certain templated common method declared here. 3. You implement them as per your need. 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:

#	Summary	Action	Expected Result
1	Verifying the Presence of the Medical Records Module	go to URL :**https://healthapp.yaksha.com/** 1. login as valid credential **(username : admin , password : pass123)** and click on "**Sign In**" Button. 2. Scroll down menu till Medical Records. 3. Click on the Medical Records	Medical Records module should be present
2	Ensure that all designated sub-modules within the Medical Records module are correctly displayed and accessible.	**Preconditions**: The user is currently within the Medical Records module. **Steps**: 1. **Access Medical Records Module**: Click on the dropdown arrow or equivalent control next to the Medical Records module title to expand and reveal its sub-modules. **Expected Result**: • Upon expanding the Medical Records module, all listed sub-modules should be visible and correctly named. The expected sub-modules are "**MR Outpatient List", "MR Inpatient List", "Birth List", "Death List", "Reports" and "Emergency Patient List"** • Each sub-module should be accessible by clicking on its respective link or button, confirming their functionality.	Each sub-module should be accessible by clicking on its respective link.
3	Ensure that clicking on the Medical Records module navigates to the default sub-module, MR Inpatient List, and that	**Preconditions**: The user must be logged into the health system. **Steps**: 1. **Navigate to Medical Records Module**: Click on the Medical Records module in the main navigation menu of the health system.	By default it will open MR Inpatient List module. URL as follows:

	the URL reflects this navigation accurately.	This action should direct the user to the default view or sub-module within the Medical Records module.	https://healthapp.yaksha.com/Home/Index#/Medical-records/InpatientList
4	To ensure that the MR Outpatient section within the Medical Records module is accessible and correctly displays all necessary operational components.	**Preconditions**:The user is logged in and user is located within “MR Inpatient List” module. **Steps**: 1. **Navigate to MR Outpatient Section**: Select the 'MR Outpatient' section to access its interface.	The MR Outpatient section should be present and easily accessible upon selection. All listed components should be properly displayed and functional: **Buttons**: 'First', 'Previous', 'Next', 'Last', 'Add Final Diagnosis', 'Edit Final Diagnosis'. **Fields**: A search bar should be available **Dropdown Menus**: Filters for 'Doctor', 'Select Disease Category', 'Department', 'Select Diagnosis', and 'Date range'. **Checkboxes**: Options for 'ALL', 'Diagnosis Added', and 'Diagnosis Pending'. **Date Pickers**: 'From' and 'To' date **Tooltip**: A 'Star' figure should display a tooltip.
5	To verify seamless navigation between various sub-modules within the Medical Records module starting from the MR Outpatient section	**Precondition:** The user is located within the Medical Records module, specifically in the MR Outpatient section. **Steps**: 1. **Navigate to Reports**: Click on the "Reports" link or button within the Medical Records module. 2. **Move to Birth List**: After checking the Reports, navigate to the "Birth List" section by clicking the appropriate link. 3. **Proceed to Death List**: From the Birth List, click to navigate to the "Death List" section. 4. **Access Emergency Patient List**: After visiting the Death List, move to the "Emergency Patient List" section. 5. **Return to MR Inpatient List**: Finally, navigate to the "MR Inpatient List" to complete the round of checks through the sub-modules.	User should navigate to the all section from the MR Outpatient section and should navigate back to MR Outpatient section
6	To confirm that using the keyword "Female" in the search bar of the MR Outpatient section filters and displays only the records corresponding to patients identified as female.	**Preconditions**: The user must be logged into the health system. The user is in the MR Outpatient section, ready to perform a search. **Steps**: 1. **Enter Keyword in Search Bar**: Type "Female" into the search bar provided within the MR Outpatient section.	After entering the keyword and initiating the search, the system should filter and display records where the 'Gender' column specifically lists "Female."
7	To ensure that setting a date range in the MR Outpatient section filters and displays only the records with 'Appointment Dates'	**Preconditions**: The user is logged into the health system. The user is located in the MR Outpatient section, ready to apply a date filter. **Steps**: 1. **Set 'From' Date**: Click on the "From" date picker and select the starting date as "Jan 2020".	Data should be present as per the selected date range The 'Appointment Date' column date must fall within the selected date.

	falling within the specified range.	2. **Set 'To' Date**: Click on the "To" date picker and select the ending date as "July 2024". 3. **Apply Date Filter**: After setting the desired date range, click the "OK" button to apply the filter.	
8	To ensure that selecting "Cardiology" from the "Department Filter" dropdown effectively filters and displays outpatient records from the Cardiology department only.	**Preconditions**: The user must be logged into the health system. The user is located in the MR Outpatient section, ready to utilize the filtering features. **Steps**: 1. **Access Department Filter Dropdown**: Locate and click on the dropdown menu labeled as "Select Disease Category" or similar, depending on the specific interface terminology. 2. **Select 'Cardiology' Option**: From the dropdown options, select "Cardiology" to set the filter for this specific department.	Upon selection of "Cardiology," the outpatient records displayed should only include those related to the Cardiology department.

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.

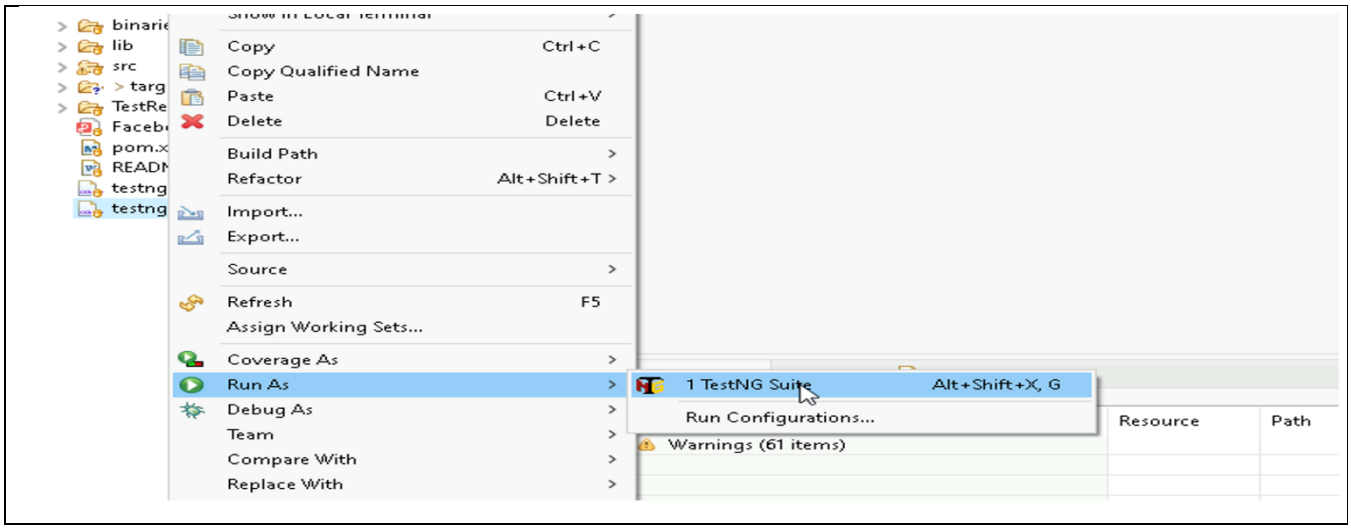
IMPLEMENTATION/FUNCTIONAL REQUIREMENT

1.1 CODE QUALITY/OPTIMIZATIONS

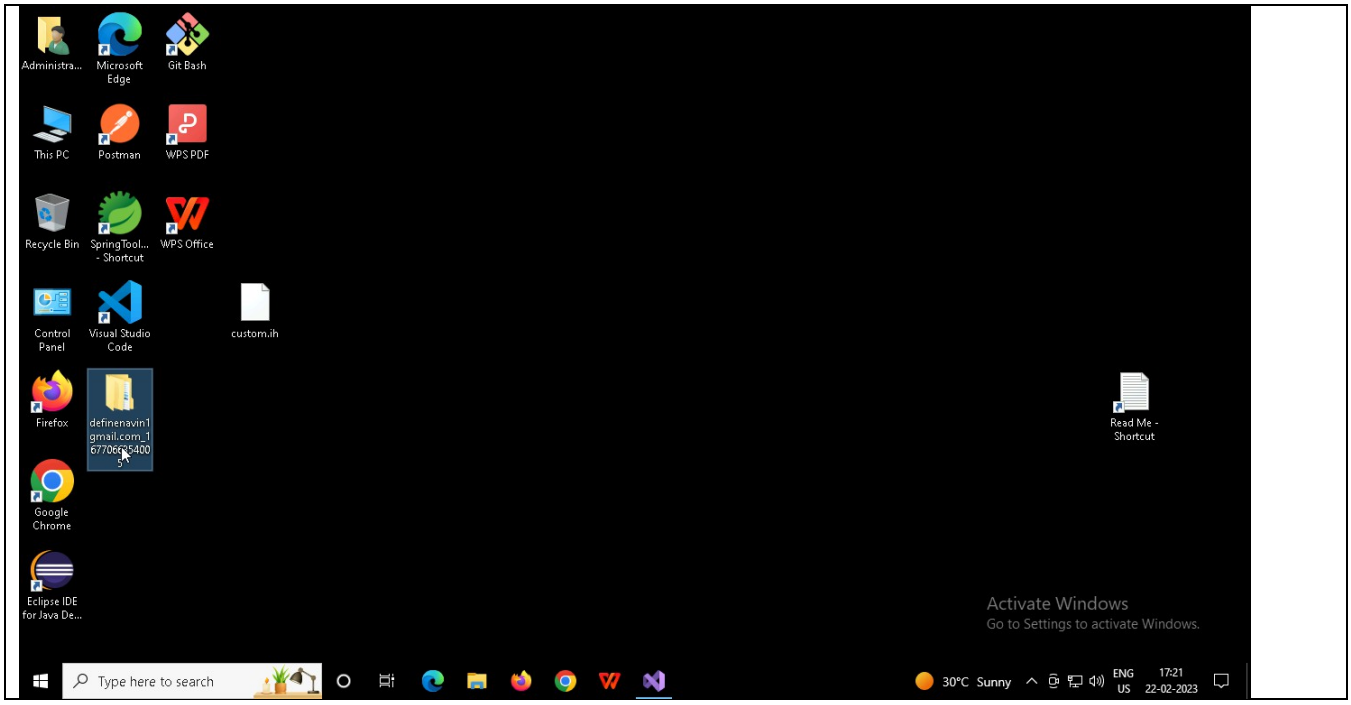
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

EXECUTION STEPS TO FOLLOW

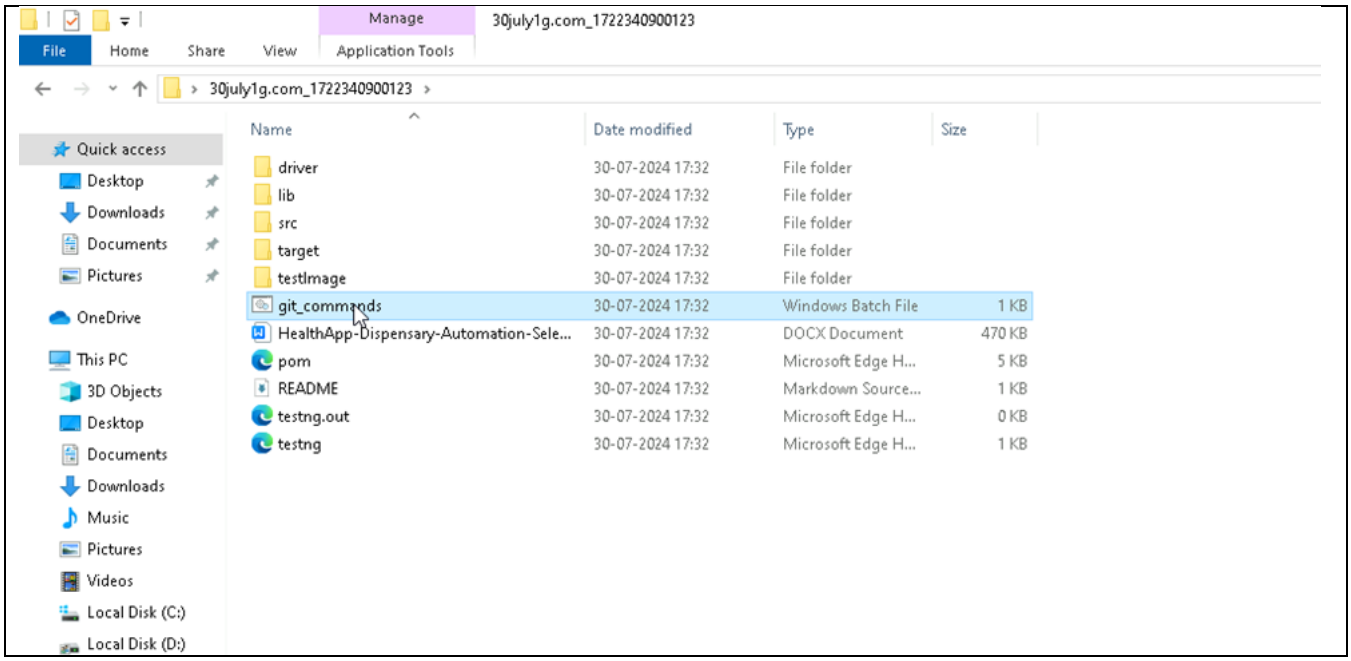
1. **You are mandatory required to run test cases for applications before final submission. Without which project evaluation will not happen.**
2. **You can launch test cases any time as follows: Right click on testng.xml and run TestNGSuite.**



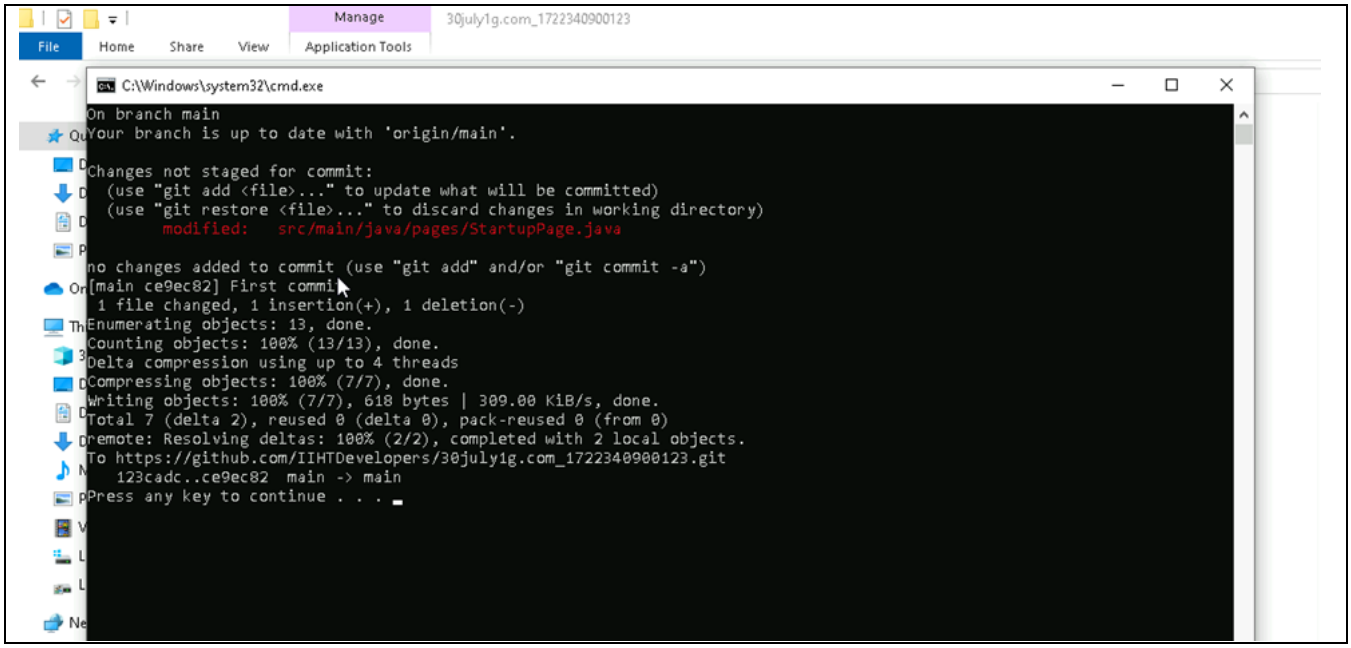
3. **Before final submission, you are also required to push your code to GIT. Following are the steps to follow:**



In your project folder, you will find a batch file named git_commands

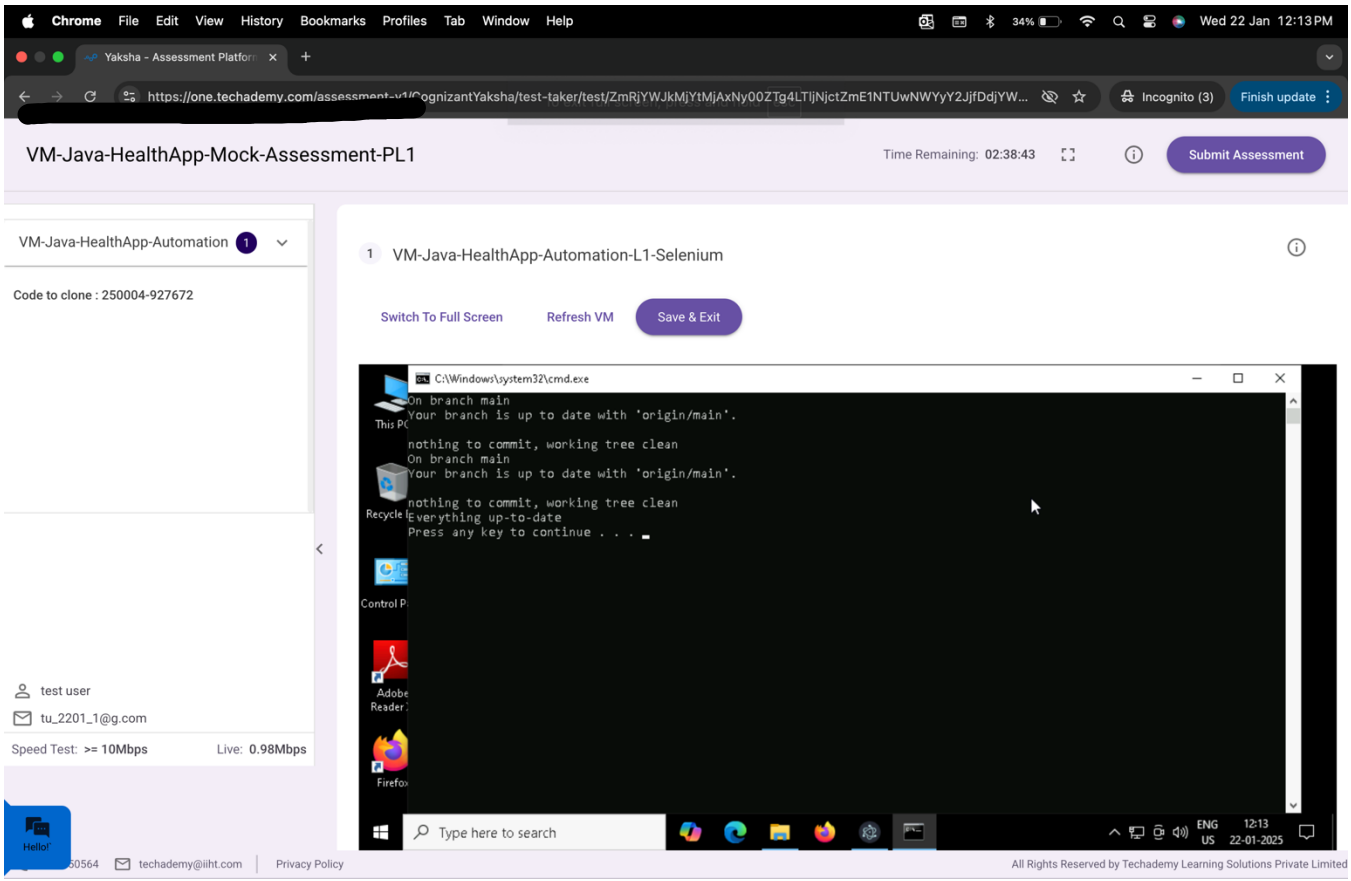


Double-click the batch file to run it. It will run the commands to push your code to GIT.



Once the code is pushed to git, you can go for the final submission of the assessment.

- Press escape to come out of Fullscreen mode.
- 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

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