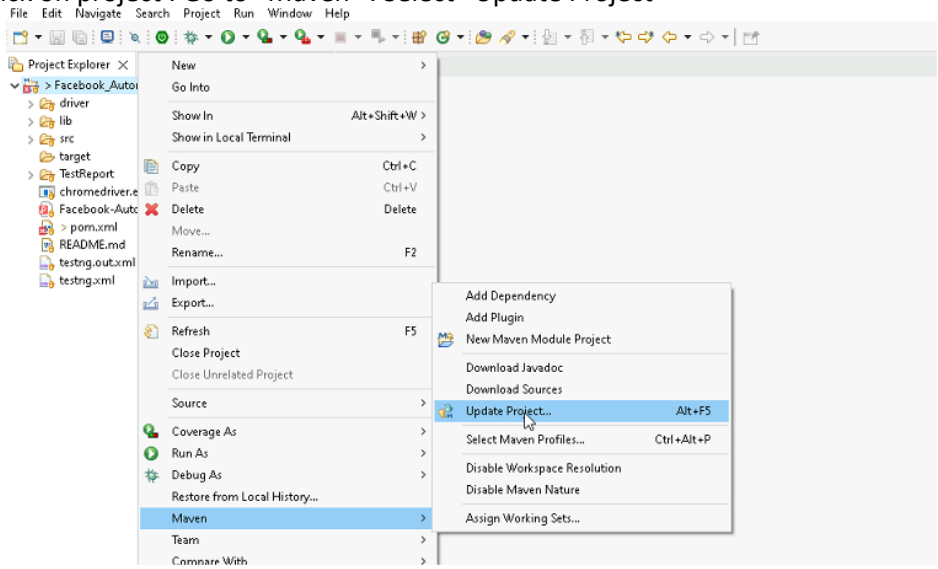
HealthApp Automation Doctor Module-PL1

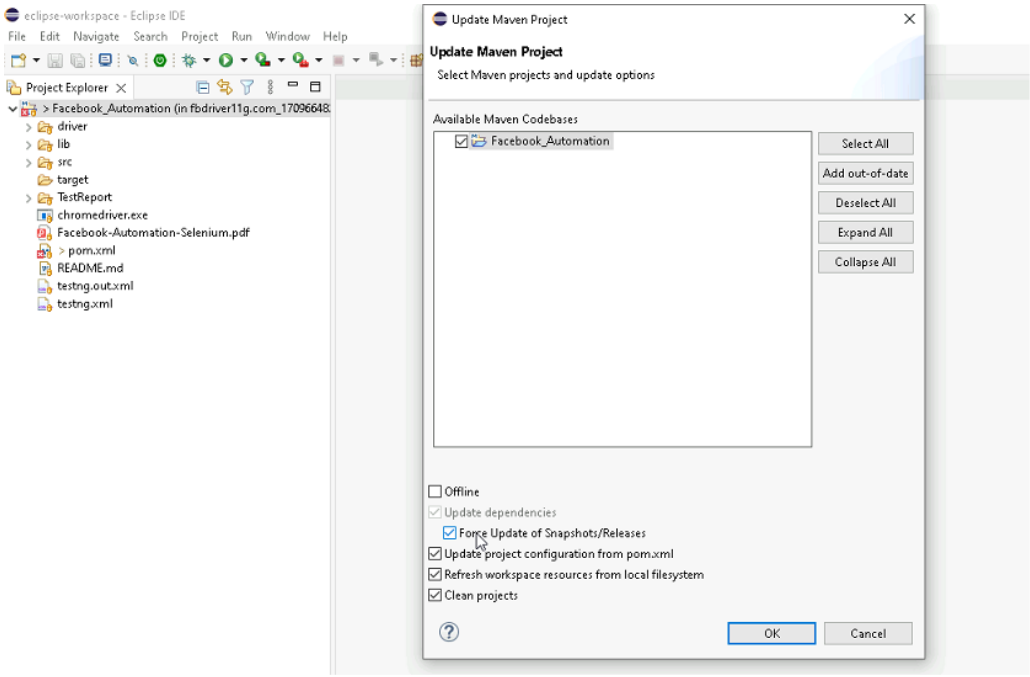
Pre-requisite:

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 on.

b. Other Files and packages you can ignore.

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

d. You are not required to work in the “Test” Folder. Files there are non-editable. Editing those files and trying to save them will throw errors 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	doctor_Pages.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:

Sl No.	Summary	Action	Expected Result
1	* Navigate to the URL. * Retrieve Title and URL of the current page. * Verify Title & URL: Check if the title & URL matches the expected title.	1. Go to URL : **https://healthapp.yaksha.com/** 2. login as valid credential (username : **admin** , password : **pass123**) and click on "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	Title should be : DanpheHealth URL should be : https://healthapp.yaksha.com/Home/Index#/
2	Ensure the presence of the Doctor module in the health app's navigation and verify all associated submodules.	**Preconditions**: The user must be logged into the health app. **Steps**: 1. **Verify Presence of Doctor Module**: Upon login, check the left navigation panel to determine if the Doctor Module is listed. 2. **Expand Doctor Module**: If the Doctor Module is found, click on the expand icon next to the module name to view the contents underneath. This action should reveal all the submodules contained within it. 3. **Verify Submodules**: Check for the presence of the following submodules under the Doctor Module: ○ **Out Patient** ○ **In Patient Department** ○ **Patient Record**	The Doctor Module should be clearly visible and present in the left navigation bar of the health app. Upon expansion, all specified submodules - Outpatient, Inpatient Department, and Patient Record - should be visible and correctly labeled.
3	To verify the functionality of the 'Show Doctor Wise Patient List' checkbox within the 'Out Patient' submodule of the 'Doctor' module, ensuring it can be both selected and deselected.	**Preconditions**: The user must be logged into the health app and navigated to the 'Doctor' module. The user is on the 'Out Patient' submodule. **Steps**: 1. **Verify Checkbox Presence**: Confirm the presence of the 'Show Doctor Wise Patient List' checkbox on the 'Out Patient' submodule page. This ensures the checkbox is available for interaction. 2. **Select Checkbox**: If the checkbox is present, click on the 'Show Doctor Wise Patient List' checkbox to select it. 3. **Verify Checkbox Selection**: After clicking, verify that the checkbox is	The 'Show Doctor Wise Patient List' checkbox should be clearly visible and interactable within the 'Out Patient' submodule. Upon selection, the checkbox should display as checked, and when deselected, it should return to an unchecked state.

		indeed selected. 4. **Uncheck Checkbox**: Following validation of the selection, click again on the 'Show Doctor Wise Patient List' checkbox to deselect it. 5. **Confirm Checkbox is Unchecked**: Verify that the checkbox returns to its initial unchecked state, confirming that it can toggle back and forth as expected.	
4	Ensure that the 'Department filter' dropdown is available in the 'In Patient Department' submodule and verify that 'NEUROSURGERY' can be selected and confirmed as the chosen option.	**Preconditions**: The user must be logged into the health app and initially positioned within the 'Doctor' module. The user is navigating within the 'Out Patient' submodule. **Steps**: 1. **Navigate to In Patient Department**: From the 'Out Patient' submodule, click to access the 'In Patient Department' submodule. 2. **Verify Dropdown Presence**: Check for the presence of the 'Department filter' dropdown within the 'In Patient Department' submodule. 3. **Select Department**: If the 'Department filter' dropdown is confirmed to be present, select 'NEUROSURGERY' from the options available within the dropdown. 4. **Validate Selection**: After selecting 'NEUROSURGERY', verify that it is visibly confirmed as the selected option in the dropdown.	'NEUROSURGERY' should be selectable from the dropdown, and once selected, it should remain displayed as the active selection, confirming the correct departmental filter is applied.
5	Confirm the presence of the "My Favorites" and "Pending List" buttons within the 'In Patient Department' submodule of the 'Doctor' module.	**Preconditions**: User must be logged into the system. User is already navigated to the 'In Patient Department' submodule within the 'Doctor' module. **Steps**: 1. **Access 'In Patient Department' Submodule**: Ensure you are on the 'In Patient Department' page within the 'Doctor' module. 2. **Verify Button Presence**: Check for the presence of both the "My Favorites" and "Pending List" buttons on the page.	Both the "My Favorites" and "Pending List" buttons should be visible and accessible on the 'In Patient Department' page.
6	To ensure that the "Pending List" button functions correctly to display pending records, and that the "Show Details" link opens the "Progress Note" form, with further validation of the form's title as "Progress Note".	**Preconditions:** The user must be logged into the health app. User is on the 'In Patient Department' submodule within the 'Doctor' module. **Steps**: 1. **Access Pending Records**: Click on the "Pending List" button to reveal the pending record table. 2. **Open Record Details**: From the first entry in the pending record table, click on "Show Details" to access more detailed information about that particular record. This action should open the "Progress Note" form. 3. **Validate Form Title**: Upon the form's appearance, verify that the title of the form is correctly labeled as "Progress	The "Pending List" button should effectively display and hide the pending record table upon each click. The "Show Details" link should correctly open the "Free Text Template" form, with the form's title accurately displaying as "Progress Note".

		Note". 4. **Close Progress Note Form**: After verifying the title, close the "Progress Note" form to return to the previous screen or record list. 5. **Toggle Pending List Visibility**: Click again on the "Pending List" button to close or hide the pending record table.	
7	Ensure that within the "In Patient Department" submodule, filtered by the "NEUROSURGERY" department, the Doctor's name associated with a specific hospital number can be correctly retrieved and verified.	**Preconditions**: User must be logged into the health app. User is on the "In Patient Department" submodule within the "Doctor" module, with the patient record table visible and filtered by the "NEUROSURGERY" department. **Steps**: 1. **Verify Table Filter**: Confirm that the patient record table is currently filtered by the "NEUROSURGERY" department. 2. **Retrieve Doctor Name**: Locate the record where the "Hospital Number" is "2312000010". Extract the "Doctor Name" listed for this particular record from the table. 3. **Validate Doctor Name**: Check that the retrieved "Doctor Name" matches "Dr. Amit Shah".	The patient record table should correctly display records filtered by the "NEUROSURGERY" department. The "Doctor Name" for the hospital number "2312000010" should be accurately retrieved as "Dr. Amit Shah".
8	Verify that attempting to add surgical history without specifying necessary details prompts an appropriate error message, specifically checking for ICD-11 code selection.	**Preconditions**: The user is logged into the health app. The user is on the "In Patient Department" submodule, with the patient record table displayed, filtered by the "NEUROSURGERY" department. **Steps**: 1. **Locate Specific Patient Record**: Navigate to the patient record with the "Hospital Number" "2312000010" and click on the preview icon to access the detailed IPD page for this patient. 2. **Navigate to Problems Section**: On the IPD page, select the "Problems" section from the left navigation menu to view different medical aspects of the patient's history. 3. **Verify Active Problem Tab**: Ensure the "Active Problem" tab is pre-selected when accessing the "Problems" section, indicating the initial focus. 4. **Access Surgical History**: Click on the "Surgical History" tab or section within the same navigation area. 5. **Add New Surgical History**: Click on the "+ Add New" button within the Surgical History List to bring up the "Add Surgical History" form. 6. **Attempt to Add Without Details**: Directly click the "Add" button on the "Add Surgical History" form without entering any information. 7. **Observe Error Notification**: Check for an error message that should appear due to the lack of a required ICD-11 code in the "Search Problem*" field.	Clicking on "Add" without the necessary details (ICD-11 code) should trigger a specific error message, "Select ICD-11 Code", which serves to inform the user that critical information is missing.

		8. **Validate Error Message**: The error message should read "Select ICD-11 Code".	

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

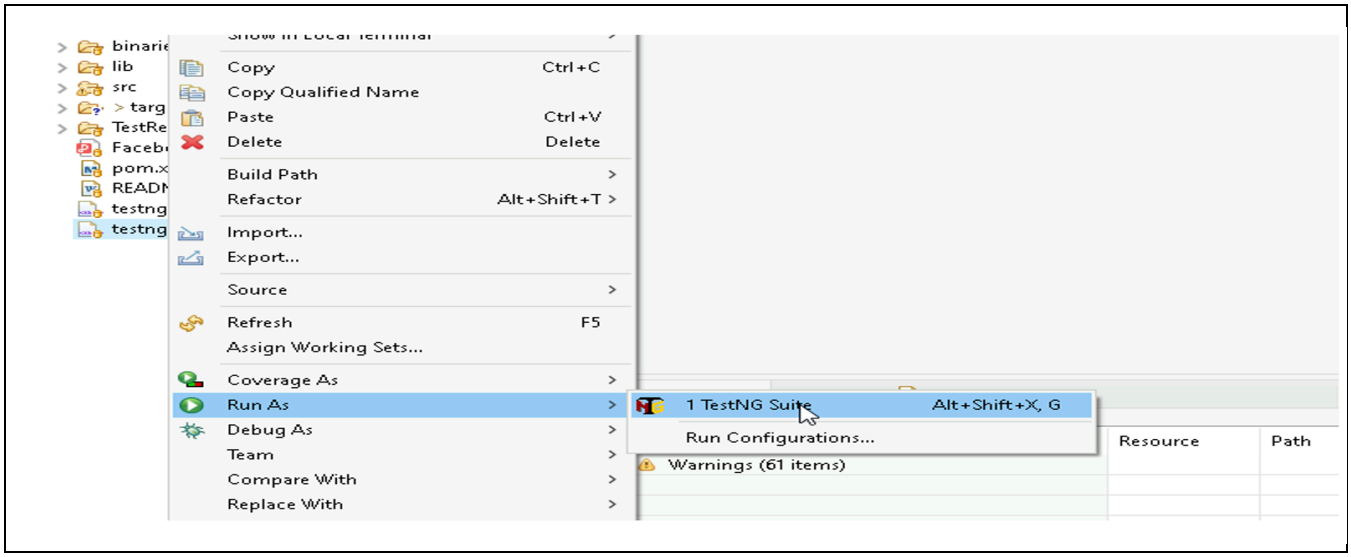
1.1 CODE QUALITY/OPTIMIZATIONS

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

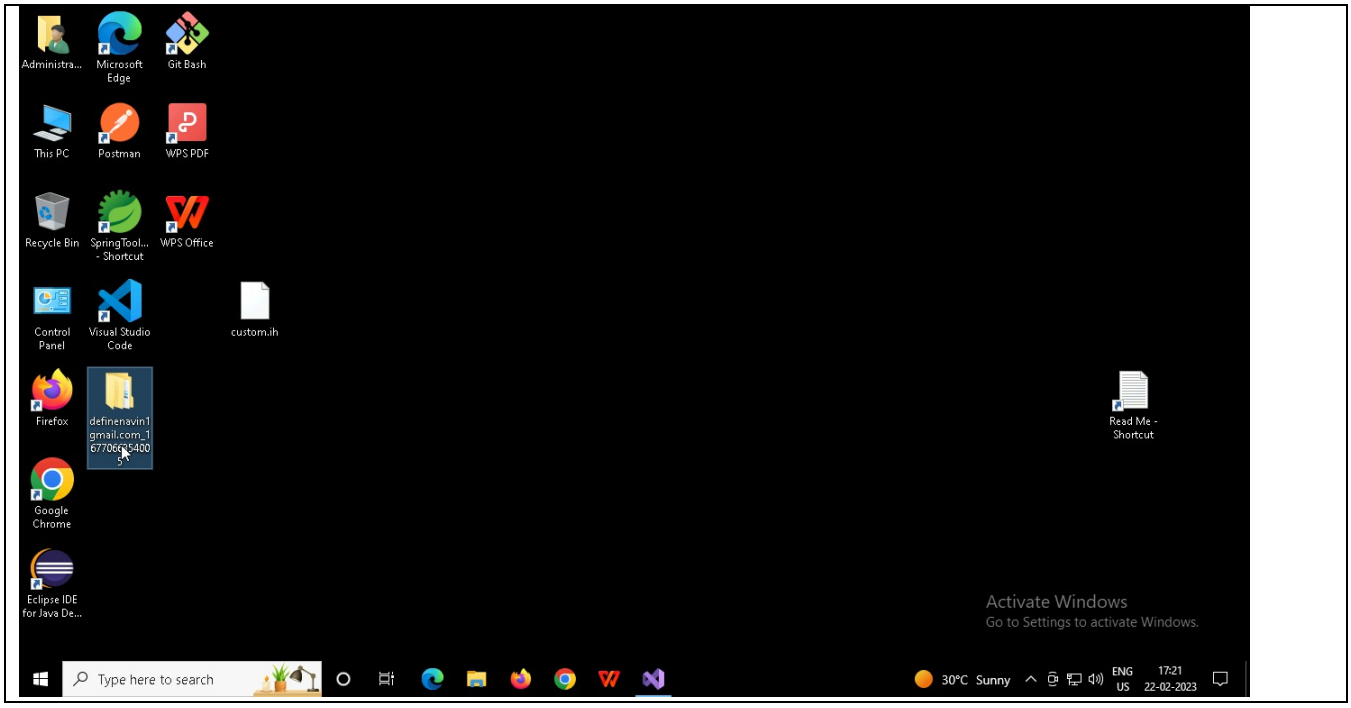
EXECUTION STEPS TO FOLLOW

1. **You are mandatory required to run test cases for applications before final submission. Without which project evaluation will not happen.**

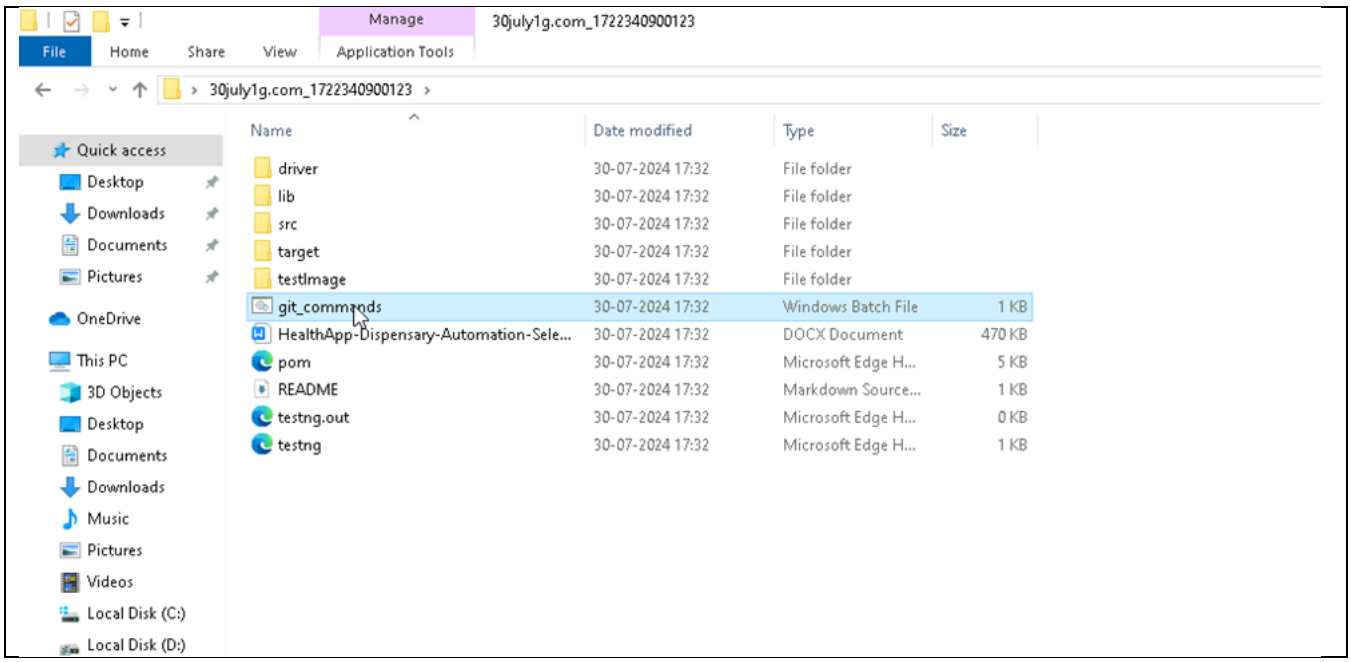
2. **You can launch test cases any time as follows: Right click on testng.xml and run TestNGSuite.**



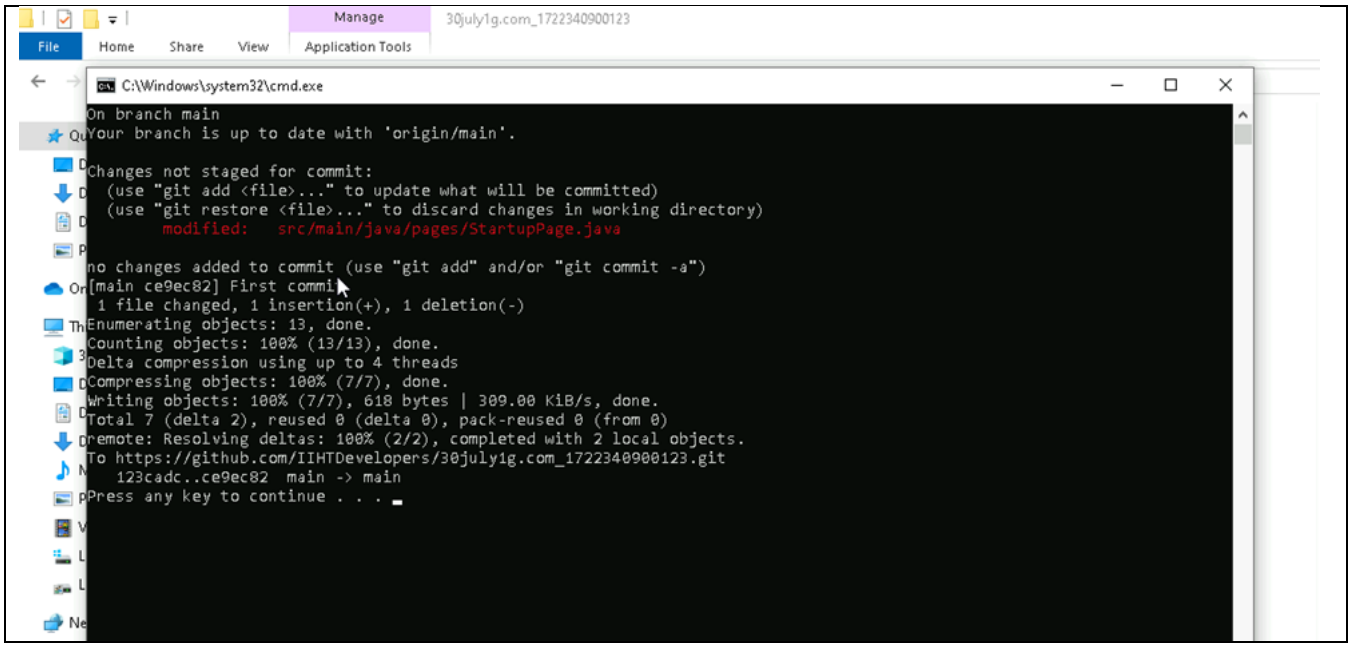
3. **Before final submission, you are also required to push your code to GIT. Following are the steps to follow:**



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

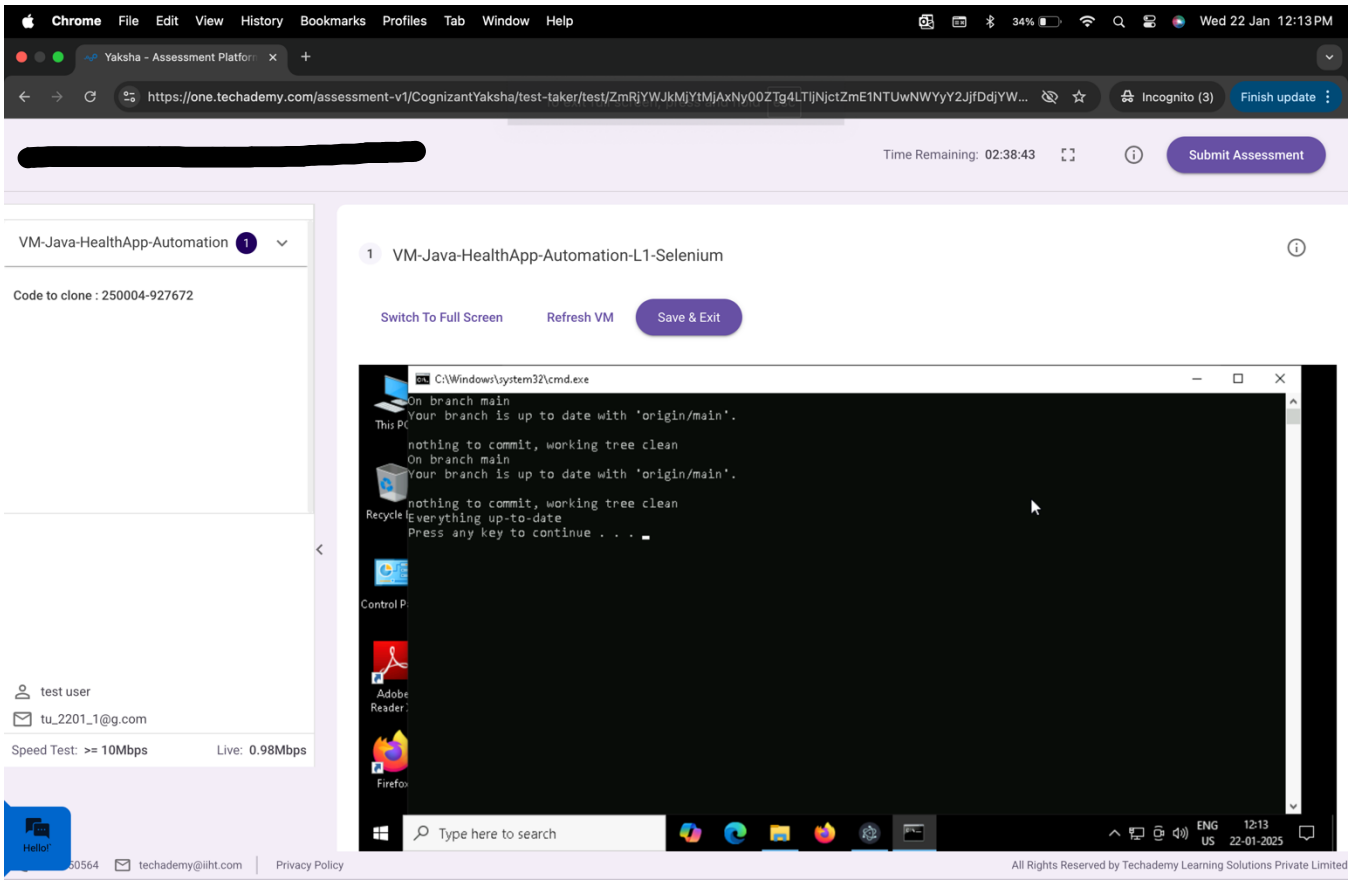


Double-click the batch file to run it. It will run the commands to push your code to GIT.



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