# HEALTHAPP AUTOMATION MEDICALRECORD – PL2

# 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



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## 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 | 1. Contains methods to read from excel file. <br> 2. Method is in templated form. <br> 3. **You will be required to implement these methods as very first activity, because even URL to navigate to, is read using these methods.** |
| /src/main/java/pages | medicalRecord_page.java | 1. All core activities (mentioned in list above) to be performed here. <br> 2. The comments associated with each templated method here describe the expectation. <br> 3. You can define locators and xpath here. <br> 4. Declare any variable/object you need to share data/status between different methods. <br> 5. Do not modify the signature of methods declared here. <br> 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\ |

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| /src/main/java/coreUtilities/utils | CommonEvents.java | 1. Contains all common activities.<br>2. Certain templated common method declared here.<br>3. You implement them as per your need.<br>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/**<br>1. login as valid credential **(username : admin , password : pass123)** and click on "**Sign In**" Button.<br>2. Scroll down menu till Medical Records.<br>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.<br>**Steps**:<br>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.<br>**Expected Result**:<br>• 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**"<br>• 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.<br>**Steps**:<br>1. **Navigate to Medical Records Module**: Click on the Medical Records module in the | By default it will open MR Inpatient List module. URL as follows: |

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| | the URL reflects this navigation accurately. | main navigation menu of the health system. 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.<br>**Steps**:<br>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.<br>All listed components should be properly displayed and functional:<br>**Buttons**: 'First', 'Previous', 'Next', 'Last', 'Add Final Diagnosis', 'Edit Final Diagnosis'.<br>**Fields**: A search bar should be available<br>**Dropdown Menus**: Filters for 'Doctor', 'Select Disease Category', 'Department', 'Select Diagnosis', and 'Date range'.<br>**Checkboxes**: Options for 'ALL', 'Diagnosis Added', and 'Diagnosis Pending'.<br>**Date Pickers**: 'From' and 'To' date<br>**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.<br>**Steps**:<br>1. **Navigate to Reports**: Click on the "Reports" link or button within the Medical Records module.<br>2. **Move to Birth List**: After checking the Reports, navigate to the "Birth List" section by clicking the appropriate link.<br>3. **Proceed to Death List**: From the Birth List, click to navigate to the "Death List" section.<br>4. **Access Emergency Patient List**: After visiting the Death List, move to the "Emergency Patient List" section.<br>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.<br>**Steps:**<br>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.<br>**Steps**:<br>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<br>The 'Appointment Date' column date must fall within the selected date. |

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| | | 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. |
| 9 | To ensure that the 'Next' button in the pagination controls at the bottom of the MR Outpatient section effectively navigates to the subsequent page of records, displaying the correct page indication. | **Preconditions**: The user is within the Medical Records module, specifically in the MR Outpatient subsection. **Steps**: 1. **Access MR Outpatient Submodule**: Click on the MR Outpatient submodule link to view outpatient records. 2. **Set Date Range**: Select "Jan 2024" in the "From" date picker and "August 2024" in the "To" date picker to filter records within this range. 3. **Scroll to Pagination Controls**: Scroll down to the bottom of the MR Outpatient section to locate the pagination controls. 4. **Navigate to Next Page**: Click the "Next" button to navigate to the next page of records. | After clicking the 'Next' button, the system should load the next set of records and display an updated page indicator at the bottom of the page. |
| 10 | To confirm that selecting a specific diagnosis ("Malignant neoplasms of stomach") from the "Select Diagnosis" dropdown filters the outpatient records accordingly and correctly updates the "ICD Code" column. | **Preconditions**: The user must be logged into the health system. The user is within the MR Outpatient section, ready to apply specific filters. **Steps**: 1. Select "Jan 2021" as From Date and click 2. "Ok" to filter Data as per selected date. 3. **Input ICD Code**: Enter the ICD code "2B72" into the "select diagnosis" search field to locate the specific disease category. 4. **Select Diagnosis**: From the dropdown, choose "Malignant neoplasms of stomach". | Data should be present as per the selected Diagnosis from the dropdown Ensure that the "ICD Code" column is correctly updated based on changes in the selected diagnosis. ICD CODE -> "2B72" |
| 11 | To ensure that selecting the "Diagnosis Added" checkbox filters the outpatient records to display only those with an added final diagnosis | **Preconditions**:The user must be logged into the health system. The user is within the MR Outpatient section, prepared to use the diagnostic filtering features. **Steps**: 1. **Locate and Select Checkbox**: Identify and click on the "Diagnosis Added" checkbox within the MR Outpatient section. | Once the "Diagnosis Added" checkbox is selected, the system should automatically filter and update the record display. |

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| 12 | To confirm that the "Add Final Diagnosis" button is operational and correctly initiates the process to add a final diagnosis, resulting in a successful operation message. | **Preconditions**:<br>• The user must be logged into the health system.<br>• The user is located in the MR Outpatient section, ready to manage diagnosis information.<br>**Steps**:<br>1. **Set Date Range for Filtering**:<br>   o Click on the "FROM" date picker and select "Jan 2020".<br>   o Click on the "TO" date picker and select "March 2024".<br>   o Click the "OK" button to apply these date filters, refining the displayed records.<br>2. **Initiate Adding a Final Diagnosis**:<br>   o Locate and click the "Add Final Diagnosis" button. This should open the page or form where final diagnoses are added. | Upon clicking the "Add Final Diagnosis" button, the system should navigate to the "Add Final Diagnosis" page or display an appropriate form for entering diagnosis details.<br><br>After submitting the diagnosis, a confirmation message should appear, typically "Success: Added Successfully," indicating that the diagnosis has been successfully recorded in the system. |
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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.
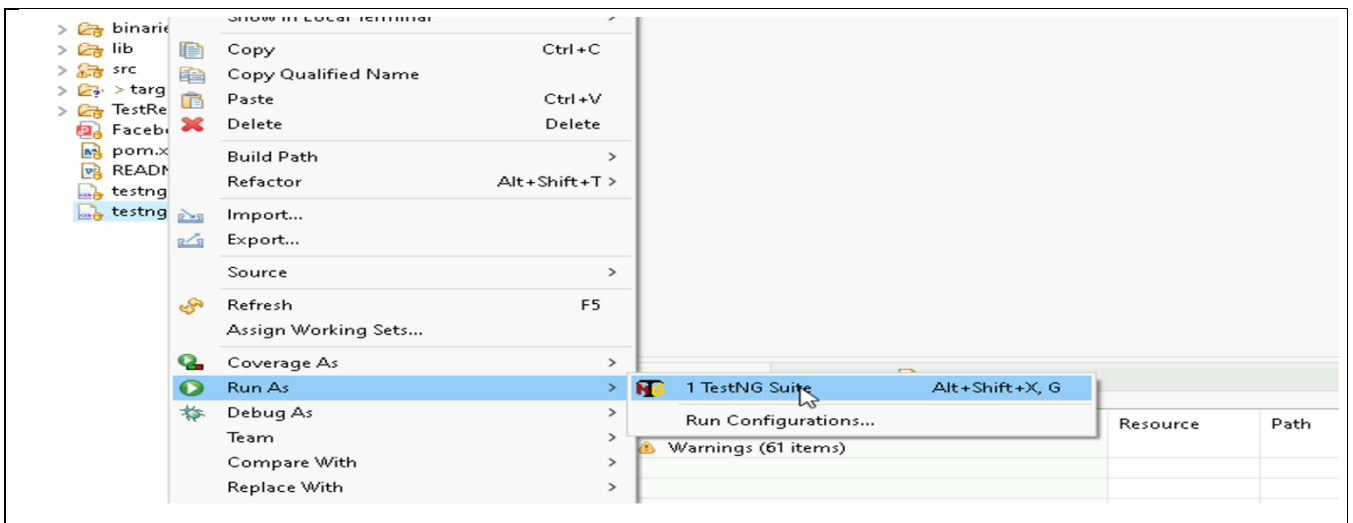2) Learners should not use any tools to create the xpath. They should develop the xpath/cssselector on their own.

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IMPLEMENTATION/FUNCTIONAL REQUIREMENT

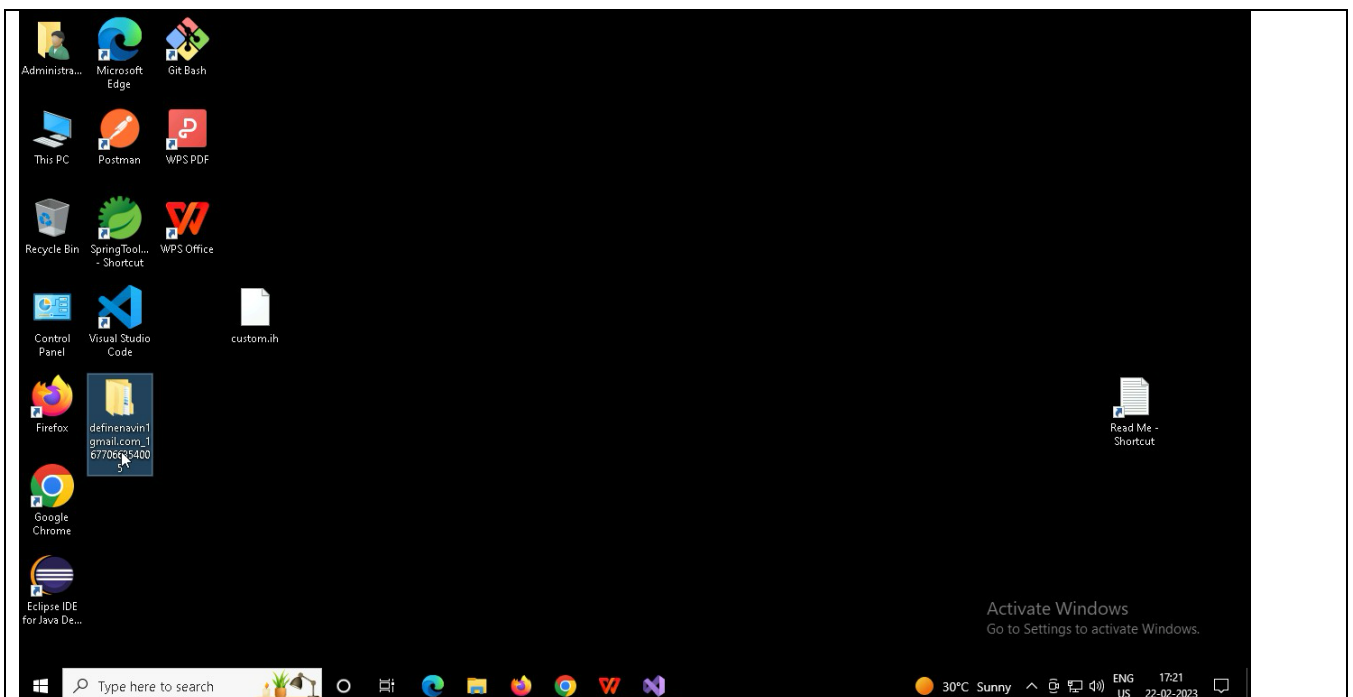**1.1    CODE QUALITY/OPTIMIZATIONS**

1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.
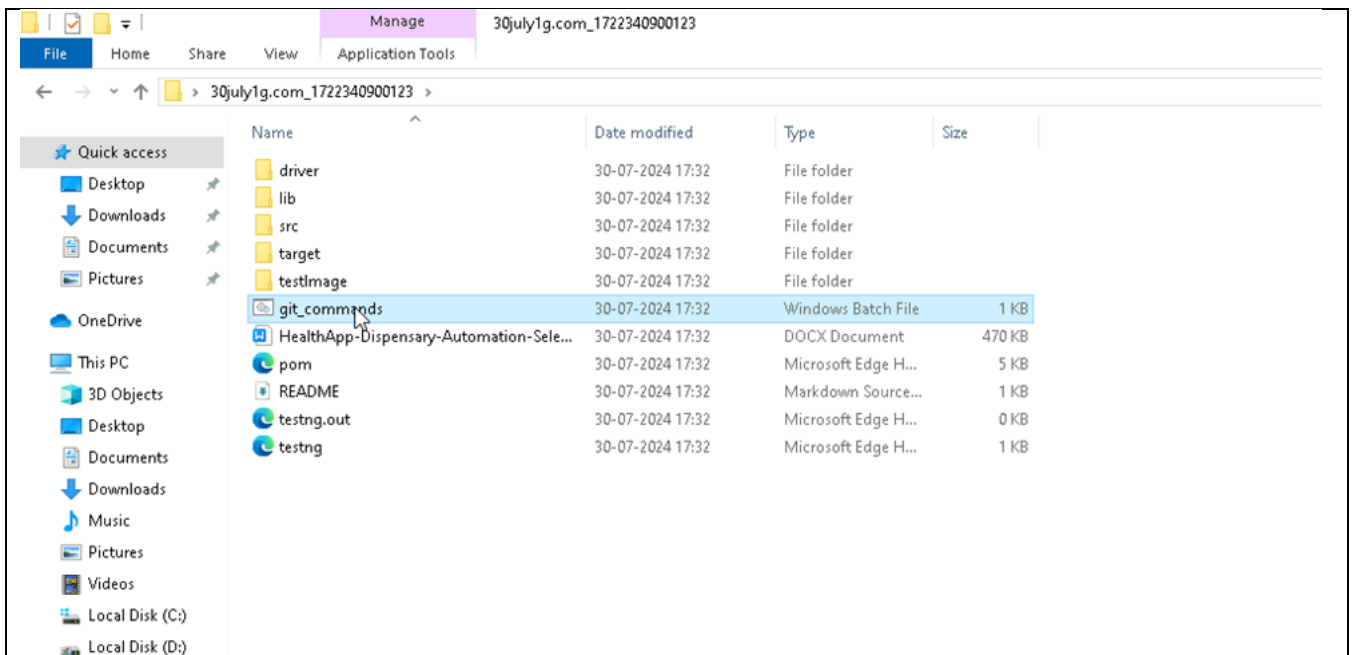
## EXECUTION STEPS TO FOLLOW
1. **You are mandatory required to run test cases for applications before final submission. Without which project evaluation will not happen.**
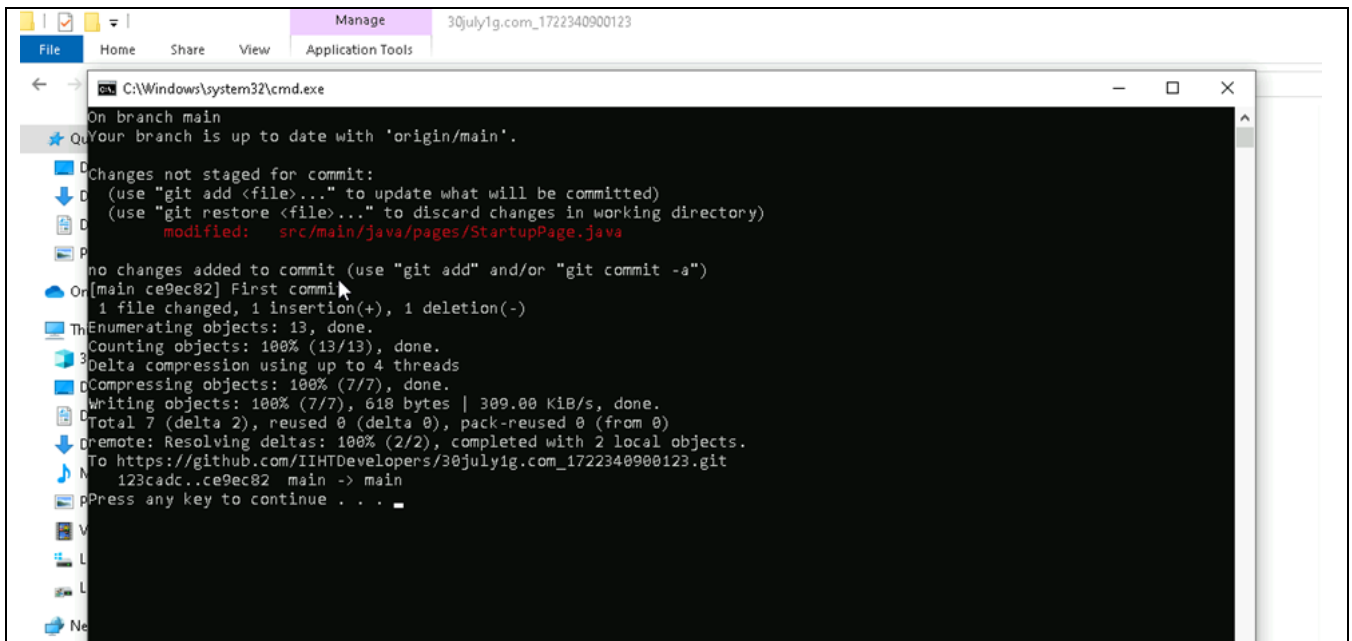2. **You can launch test cases any time as follows: Right click on testng.xml and run TestNGSuite.**

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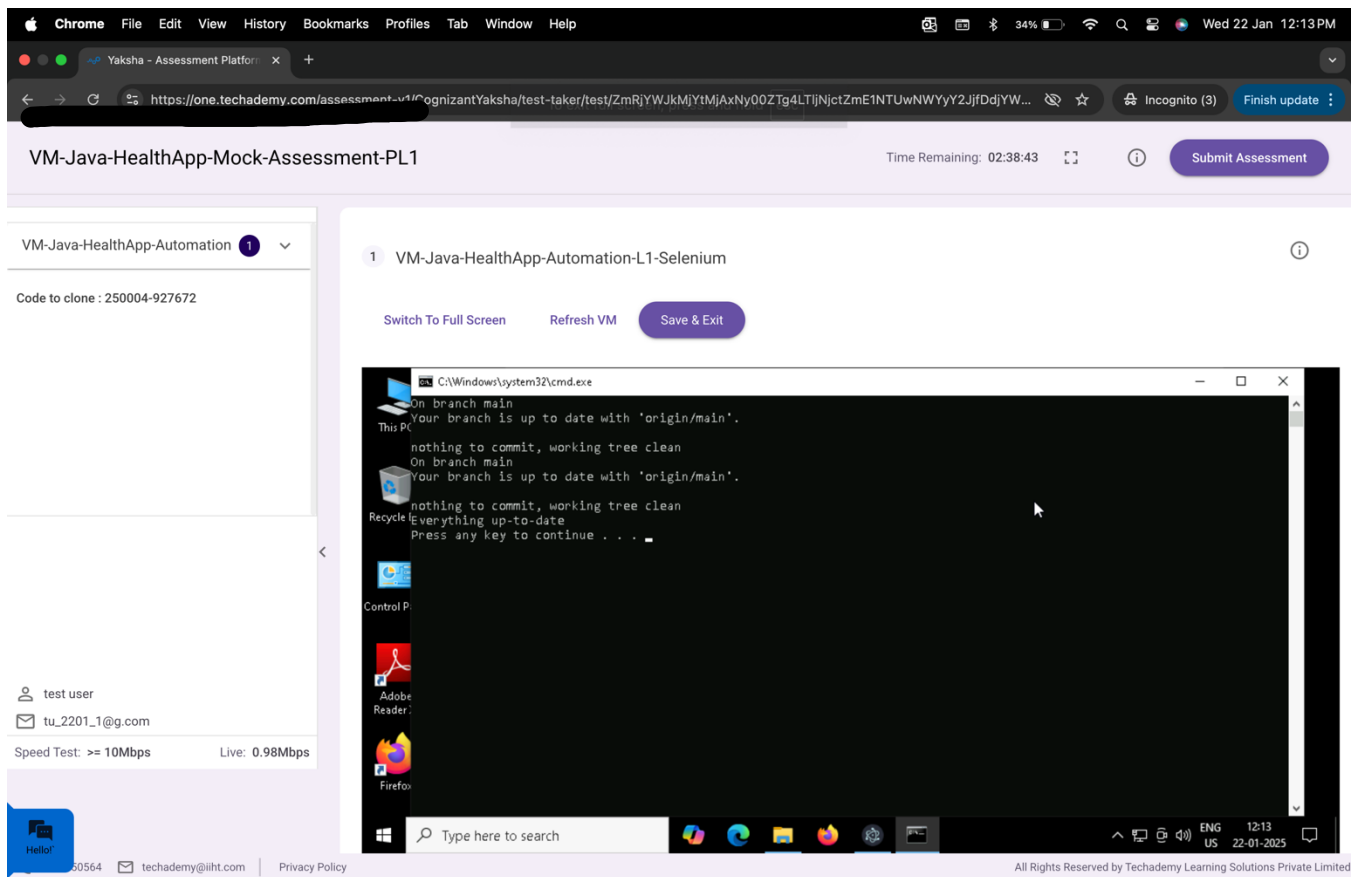
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Double-click the batch file to run it. It will run the commands to push your code to GIT.



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.

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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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