

# HEALTHAPP AUTOMATION RADIOLOGY 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 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.

<b>Package</b>	<b>Class/File</b>	<b>Description</b>
src/main/java/coreUtilities/utils/	FileOperations.java	<b>The method for reading data as input from an Excel file have already been implemented here.</b>  <b>This method is used to fetch the required data from excel including the URL for navigation.</b>
/src/main/java/pages	radiology_page.java	<ol style="list-style-type: none"><li>1. All core activities (mentioned in list above) to be performed here.</li><li>2. The comments associated with each templated method here describe the expectation.</li><li>3. You can define locators and xpath here.</li><li>4. Declare any variable/object you need to share data/status between different methods.</li><li>5. Do not modify the signature of methods declared here.</li><li>6. You can create additional supportive common methods in CommonEvents class.</li></ol>
/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/utis	CommonEvents.java	<ol style="list-style-type: none"> <li>1. Contains all common activities.</li> <li>2. Certain templated common method declared here.</li> <li>3. You implement them as per your need.</li> <li>4. You can add any additional method for common activity here</li> </ol>
	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	Ensure that the Radiology module is available in the App.	<b>Steps:</b> <ol style="list-style-type: none"> <li>1. gotoURL: <a href="https://healthapp.yaksha.com/">https://healthapp.yaksha.com/</a></li> <li>2. login as valid credential (<b>username : admin , password : pass123</b>) and click on "Sign in" Button.</li> <li>3. Scroll through the main menu to find the Radiology section.</li> <li>4. Click on the Radiology module.</li> </ol>	Verify the Radiology module URL should be as below:  <a href="https://healthapp.yaksha.com/Home/Index#/Radiology/ImagingRequisitionList">https://healthapp.yaksha.com/Home/Index#/Radiology/ImagingRequisitionList</a>
2	To ensure that all designated sub-modules are correctly displayed under the Radiology module.	<b>Preconditions:</b> The user must be logged into the health App system. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Click on the drop-down arrow (Toggle Key).</li> </ol>	Verigy that All sub-modules should be displayed correctly. Expected Sub modules are : List Requests, List Reports, Edit Doctors, Ward Billing
3	Ensure that simply Clicking the radiology module by default navigates to "List Requests".	<b>Preconditions:</b> The user must be logged into the healthApp system. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Click on the Radiology module in the main navigation of the health system.</li> </ol>	Verify clicking on the Radiology module navigates to 'List Requests' section as default module. Match by comparing the URL.  (Required URLs are in Expected Data.xlsx).
4	Check the presence of elements on the 'List Request' section within the Radiology module.	<b>Preconditions:</b> The user must be logged into the healthApp system and located within the Radiology module. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Click on the drop-down arrow.</li> <li>2. Click the 'List Request' section.</li> </ol>	The 'List Request' section should display the following components: <b>Buttons:</b> 'Ok', 'First', 'Previous', 'Next', 'Last', 'Scan Done', 'Add Report', and 'Edit Report'. <b>Fields:</b> search bar. <b>Dropdowns:</b> 'Filter' and 'Date range'. <b>Date Pickers:</b> 'From' and 'To' date pickers. <b>Tooltip:</b> Tooltip on the 'Star' figure.

5	Ensure the smooth navigation between different sub-modules within the Radiology module.	<b>Preconditions:</b> The user is logged into the healthApp system and is within the Radiology module. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Click on the 'List Reports'.</li> <li>2. Click on the 'Edit Doctors' link to navigate to the section.</li> <li>3. Click on the 'Ward Billing' option to access it.</li> <li>4. Finally, navigate back to the 'List Requests'.</li> </ol>	Clicking on each sub-module link or button should navigate to the respective section without any errors.
6	Ensure that the 'Next' button is visible after users scroll to the bottom.	<b>Preconditions:</b> The user is logged into the healthApp system. The user is on "List Request" submodule of the Radiology module. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Select the "All" option from the "Filter" dropdown.</li> <li>2. Scroll to Bottom of Page</li> </ol>	Verify that the "Next" button should be visible.
7	Ensure the tooltip for the 'Star' icon when hovered the mouse.	<b>Preconditions:</b> The user is on "List Request" submodule of the Radiology module. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Move the mouse cursor over the 'Star' icon</li> </ol>	Verify the Tooltip present when hover the mouse. it should be "Remember this date"
8	Ensure that after setting date filters and interacting with the 'Star' tooltip in the List Requests section of the Radiology module, these settings remain unchanged even after refreshing and navigating back to the page.	<b>Preconditions:</b> The user must be logged into the health system. The user is within the Radiology module, specifically in the List Requests section. <b>Steps:</b> <ol style="list-style-type: none"> <li>1. Set the "FROM" date to "Jan 2020" and the "TO" date to "March 2024".</li> <li>2. Click on the 'Star' icon.</li> <li>3. Click the "OK" button.</li> <li>4. Refresh the page and navigate back to the "List Requests" section.</li> </ol>	Verify Tooltip and Dates. After navigating back the "FROM" and "TO" dates remain set to "Jan 2020" and "March 2024", respectively.

**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.

---

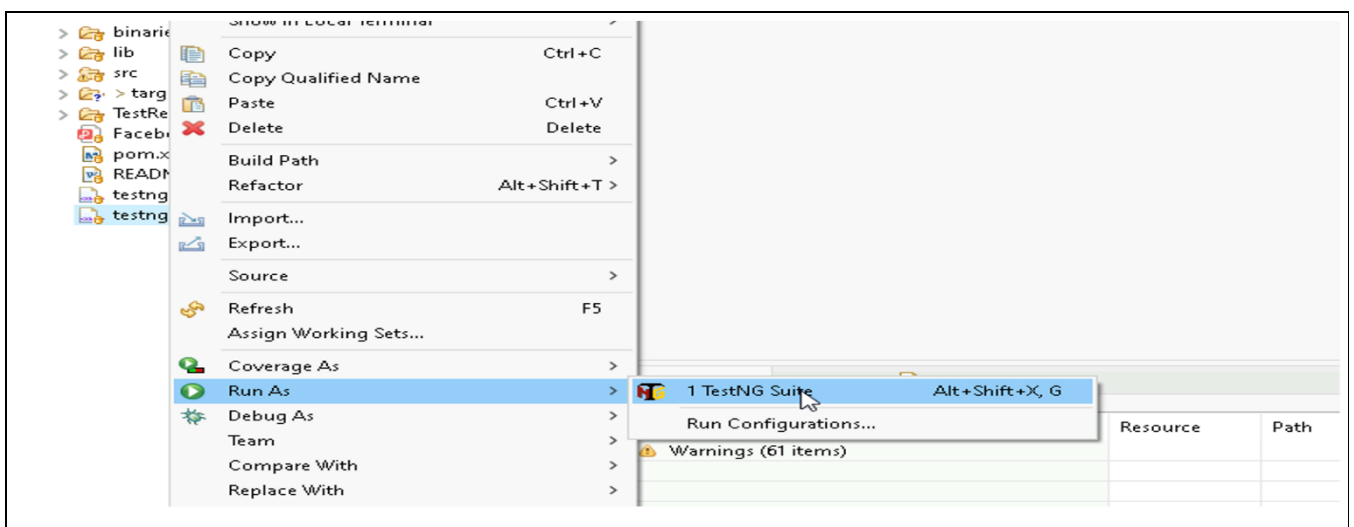
### IMPLEMENTATION/FUNCTIONAL REQUIREMENT

## 1.1 CODE QUALITY/OPTIMIZATIONS

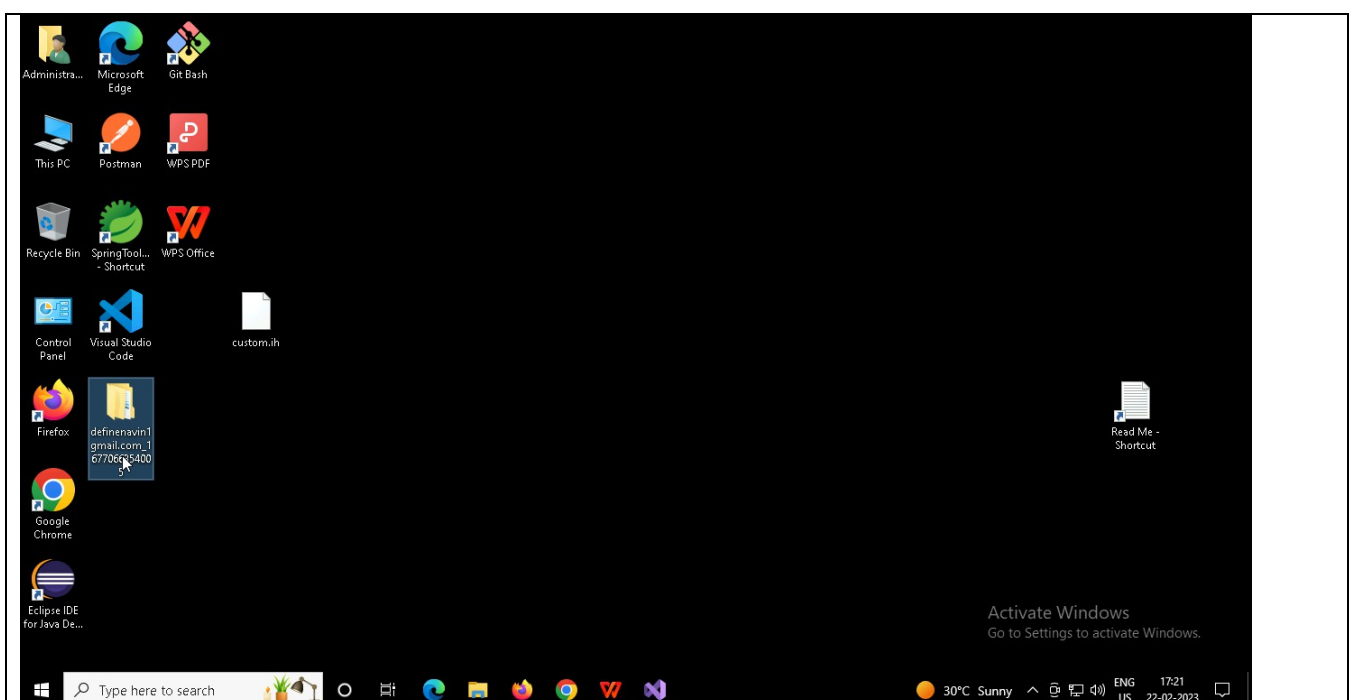
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

## EXECUTION STEPS TO FOLLOW

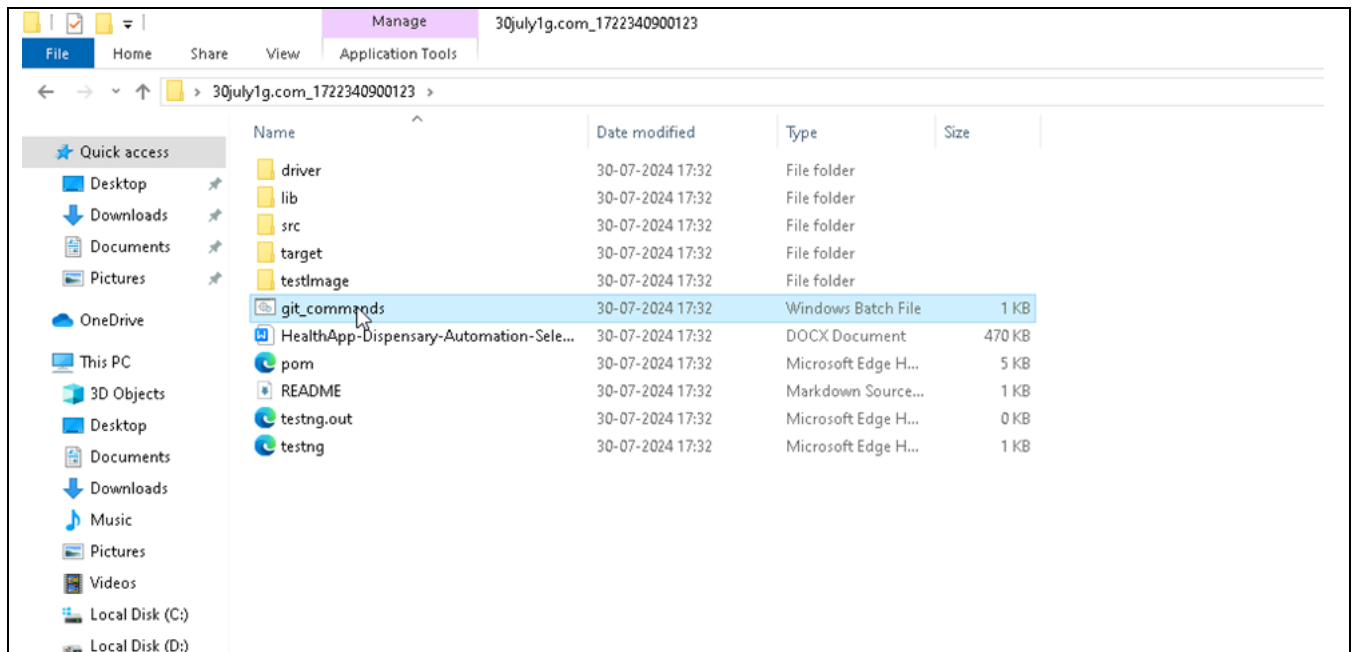
1. You are mandatory required to run test cases for applications before final submission. Without which project evaluation will not happen.
2. You can launch test cases any time as follows: Right click on testng.xml and run TestNGSuite.



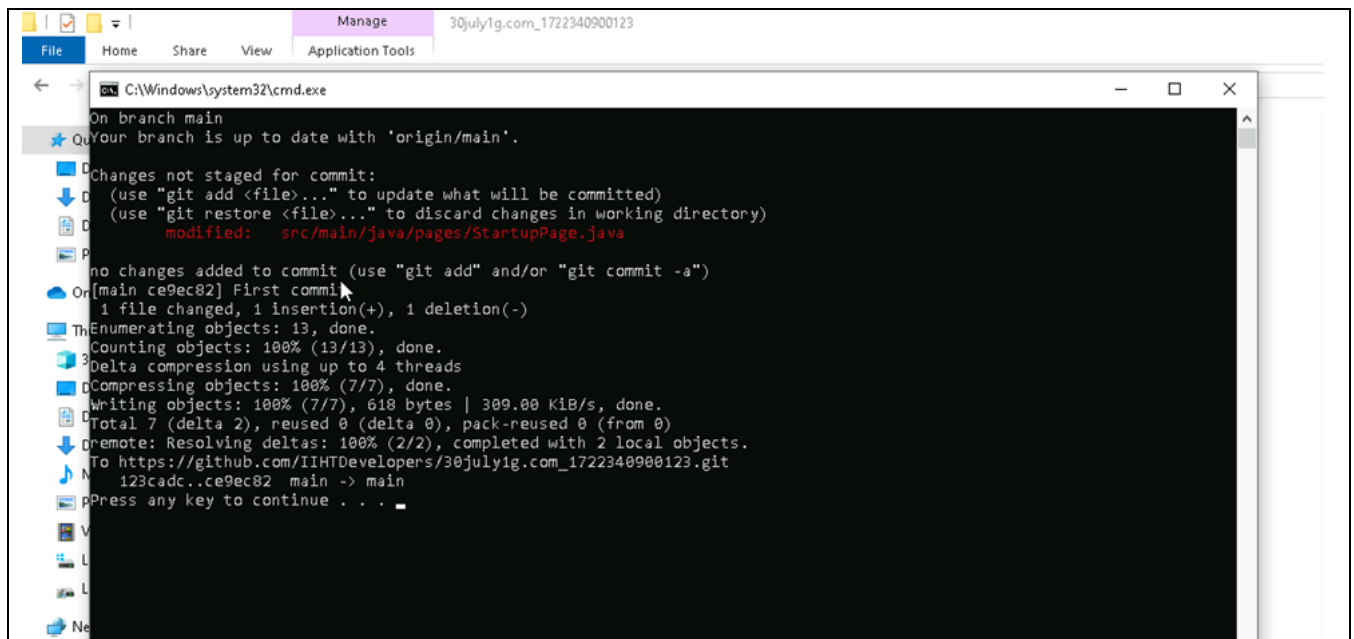
3. Before final submission, you are also required to push your code to GIT. Following are the steps to follow:



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

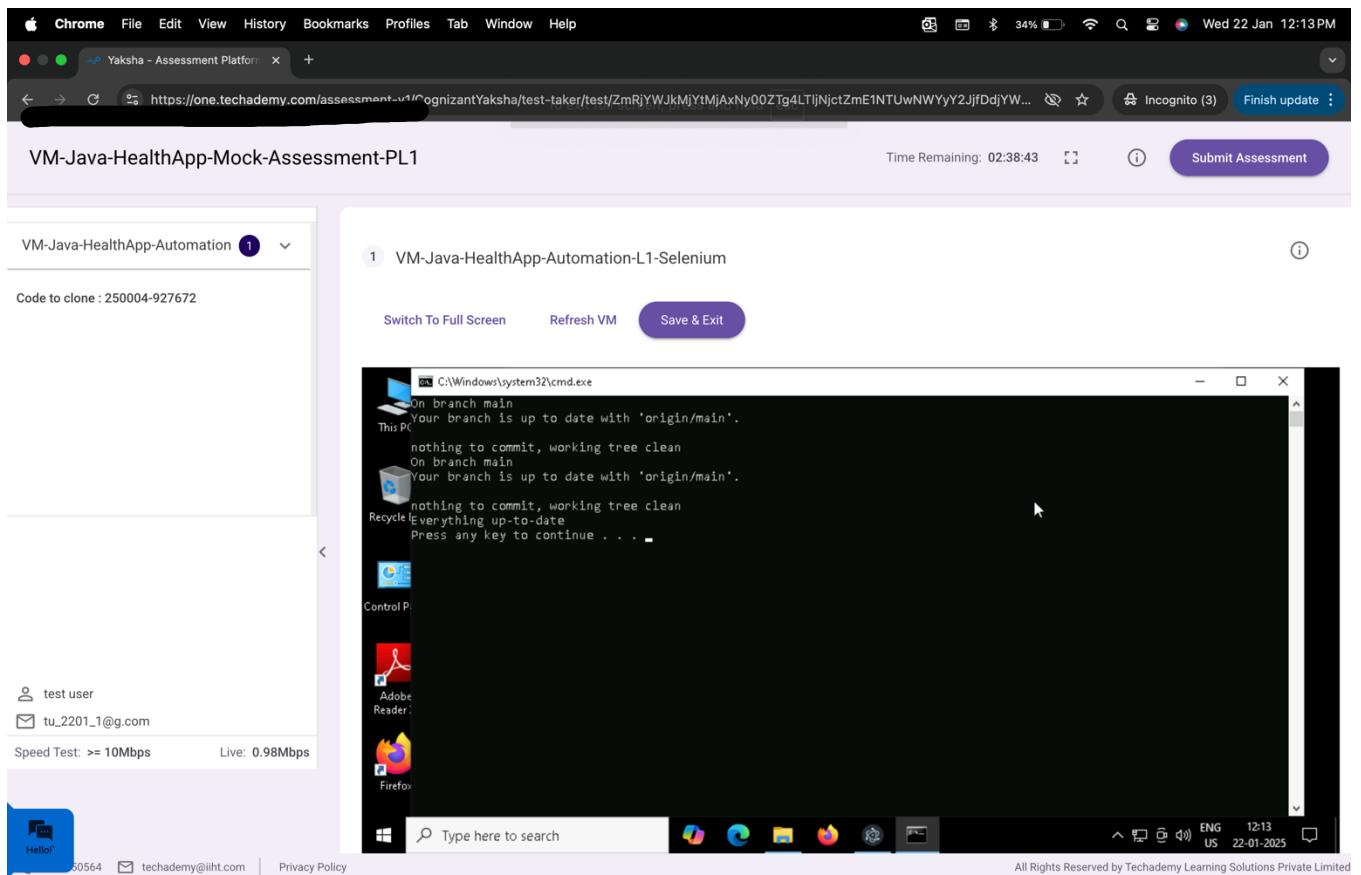


Double-click the batch file to run it. It will run the commands to push your code to GIT.



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.

=====

All the Best