

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.

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	radiology_page.java	<ol style="list-style-type: none">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/utls	CommonEvents.java	<ol style="list-style-type: none"> 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	Ensure that the Radiology module is available in the App.	Steps: <ol style="list-style-type: none"> 1. gotoURL: https://healthapp.yaksha.com/ 2. login as valid credential (username : admin , password : pass123) and click on "Sign in" Button. 3. Scroll through the main menu to find the Radiology section. 4. Click on the Radiology module. 	Verify the Radiology module Title should be as "DanpheHealth".
2	To ensure that all designated sub-modules are correctly displayed under the Radiology module.	Preconditions: The user must be logged into the health App system. Steps: <ol style="list-style-type: none"> 1. Click on the drop-down arrow (Toggle Key). 	Verify that All sub-modules should be displayed correctly. Expected Sub modules are : List Requests, List Reports, Edit Doctors, Ward Billing
3	Ensure that "List Requests" section is displayed as default module.	Preconditions: The user must be logged into the healthApp system. Steps : Make sure radiology module is selected.	Verify the User is taken to the URL below: https://healthapp.yaksha.com/Home/Index#/Radiology/ImagingRequisitionList
4	Check the presence of elements on the 'List Request' section within the Radiology module.	Preconditions: The user must be logged into the healthApp system and located within the Radiology module. Steps : Make sure radiology module's 'List Request' section is selected.	The 'List Request' section should display the following components: Fields: search bar. Dropdowns: 'Filter' and 'Date range'.

5	Ensure the smooth navigation between different sub-modules within the Radiology module.	Preconditions: The user is logged into the healthApp system and is within the Radiology module. Steps: <ol style="list-style-type: none"> 1. Click on the 'List Reports'. 2. Click on the 'Edit Doctors' link to navigate to the section. 3. Click on the 'Ward Billing' option to access it. 4. Finally, navigate back to the 'List Requests'. 	Verify that clicking on each sub-module button the user is able to navigate to the required section.
6	Ensure that the 'Next' button is visible after users scroll to the bottom.	Preconditions: The user is logged into the healthApp system. The user is on "List Request" submodule of the Radiology module. Steps: <ol style="list-style-type: none"> 1. Make sure the "All" option is selected from the "Filter" dropdown. 2. Scroll to Bottom of Page 	Verify that the "Next" button is displayed.
7	Ensure the tooltip for the 'Star' icon when hovered the mouse.	Preconditions: The user is on "List Request" submodule of the Radiology module. Steps: <ol style="list-style-type: none"> 1. Move the mouse cursor over the 'Star' icon 	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.	Preconditions: The user must be logged into the health system. The user is within the Radiology module, specifically in the List Requests section. Steps: <ol style="list-style-type: none"> 1. Set the "FROM" date to "Jan 2020" and the "TO" date to "March 2024". 2. Click on the 'Star' icon. 3. Click the "OK" button. 4. Refresh the page and navigate back to the "List Requests" section. 	Verify that After refreshing the page the dates remains as selected.

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.

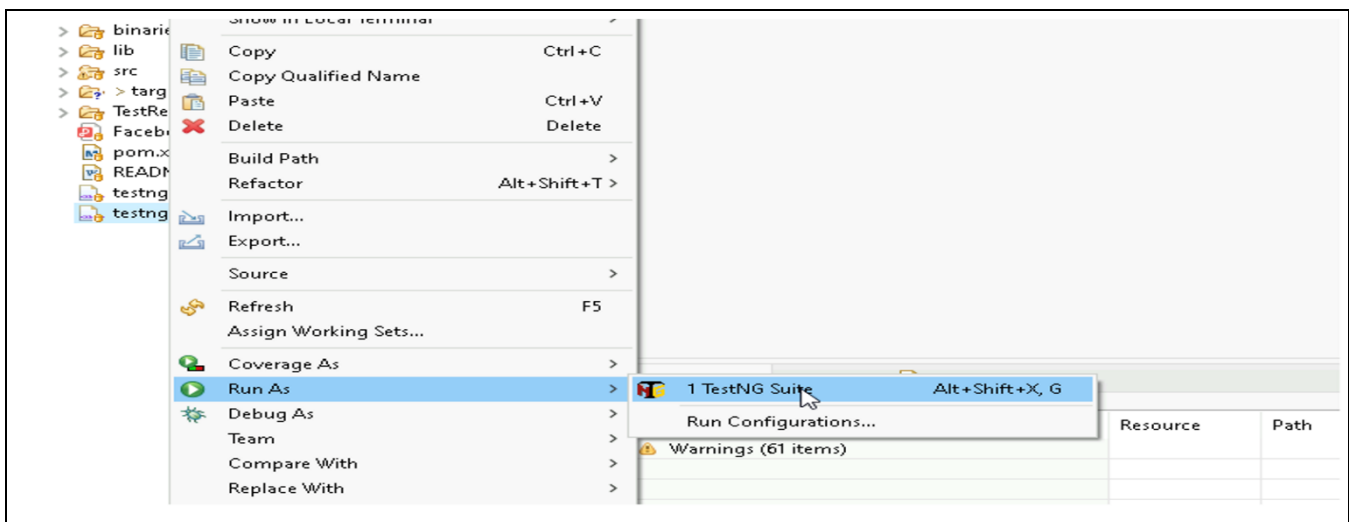
IMPLEMENTATION/FUNCTIONAL REQUIREMENT

1.1 CODE QUALITY/OPTIMIZATIONS

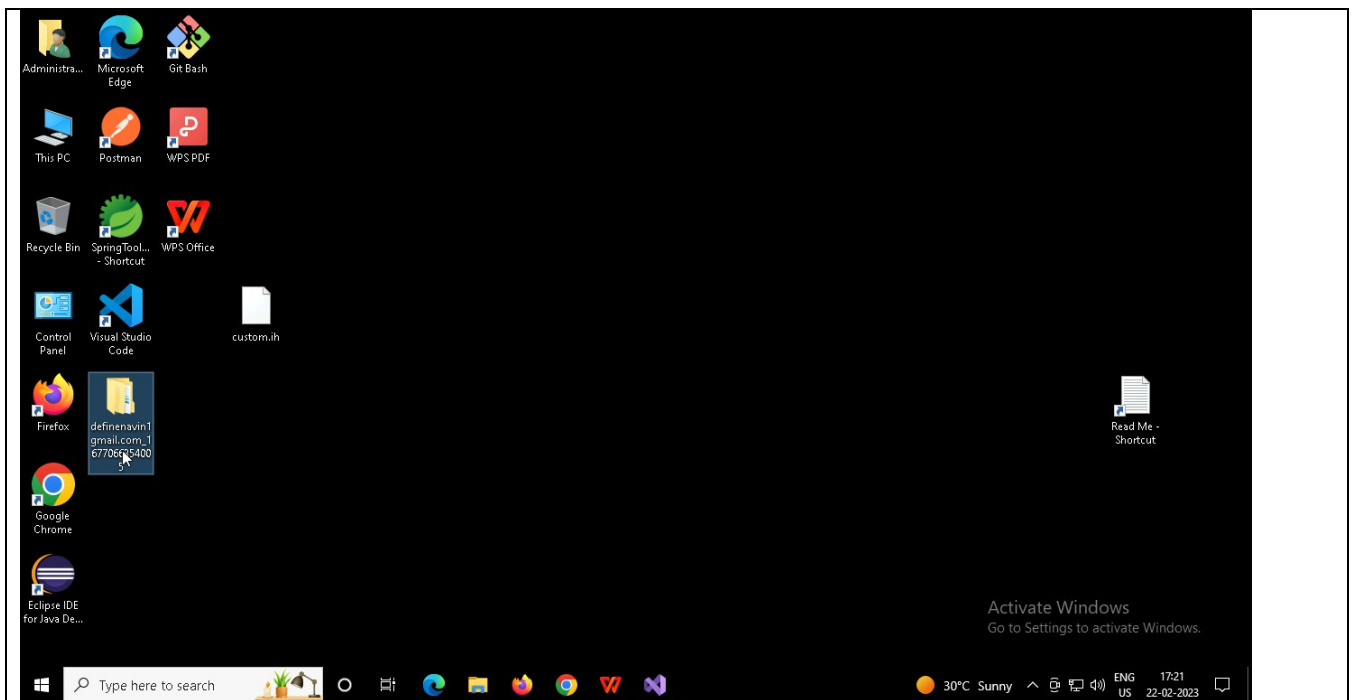
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

EXECUTION STEPS TO FOLLOW

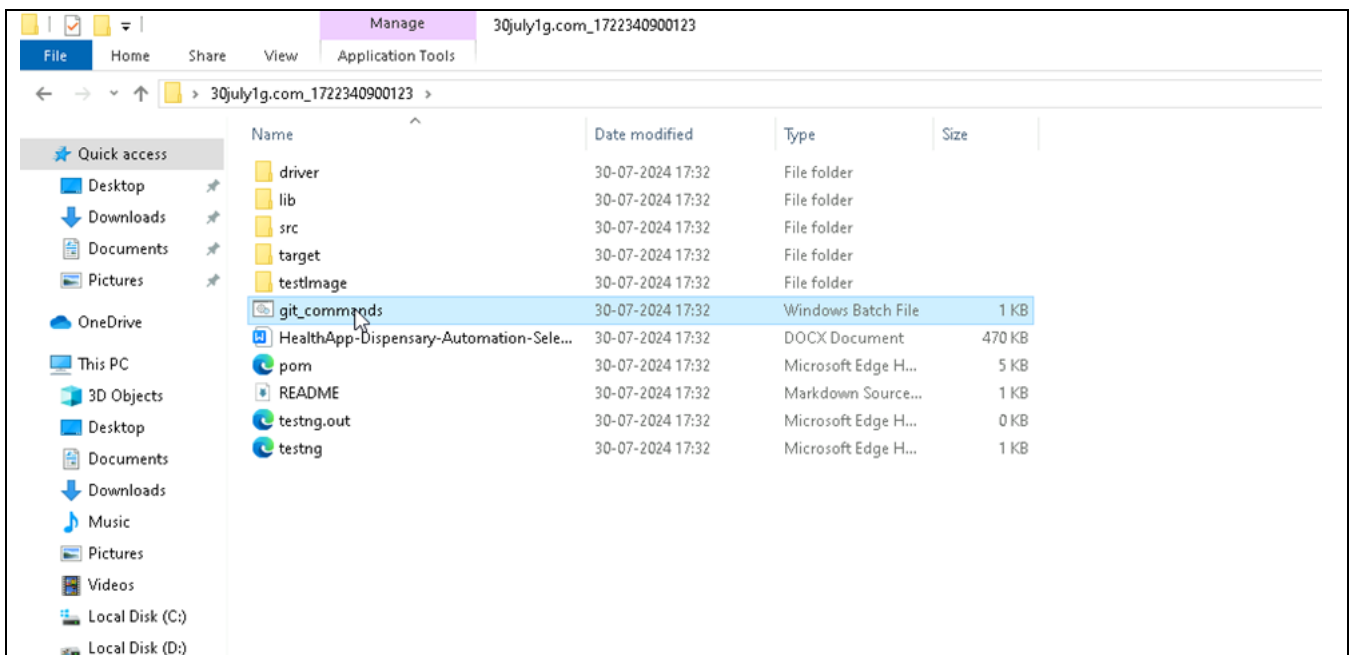
1. You are mandatory required to run test cases for applications before final submission. Without which project evaluation will not happen.
2. You can launch test cases any time as follows: Right click on testng.xml and run TestNGSuite.



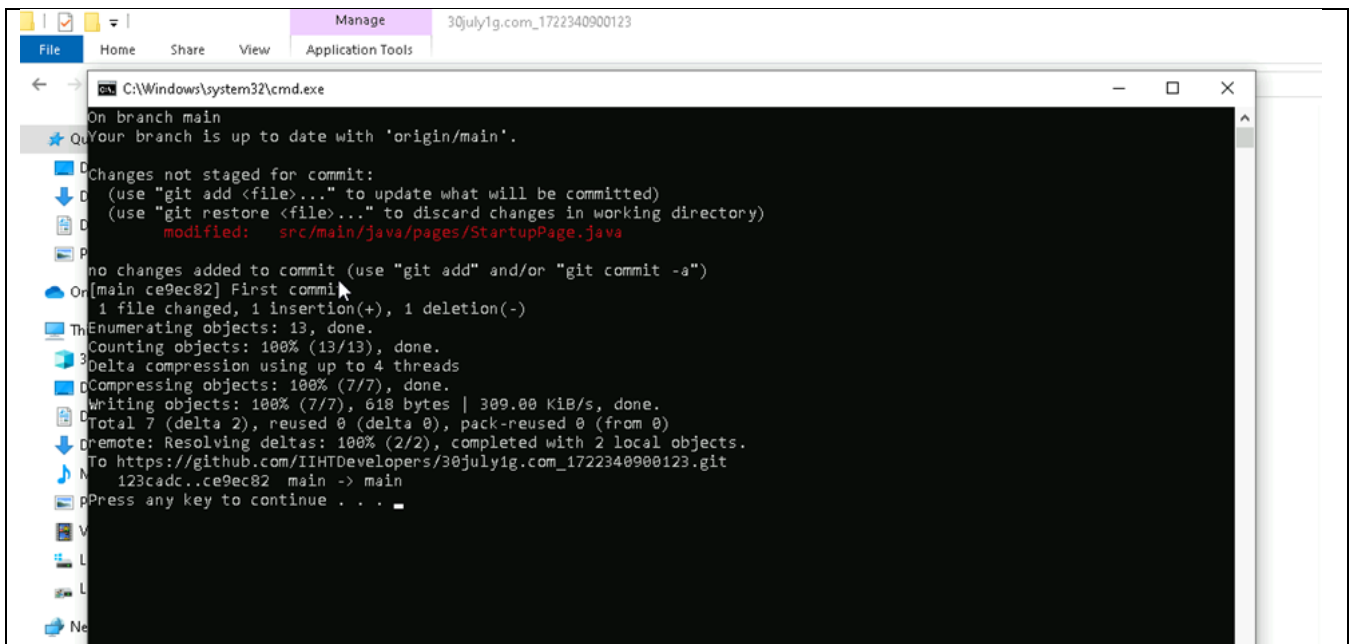
3. Before final submission, you are also required to push your code to GIT. Following are the steps to follow:



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.



```
C:\Windows\system32\cmd.exe

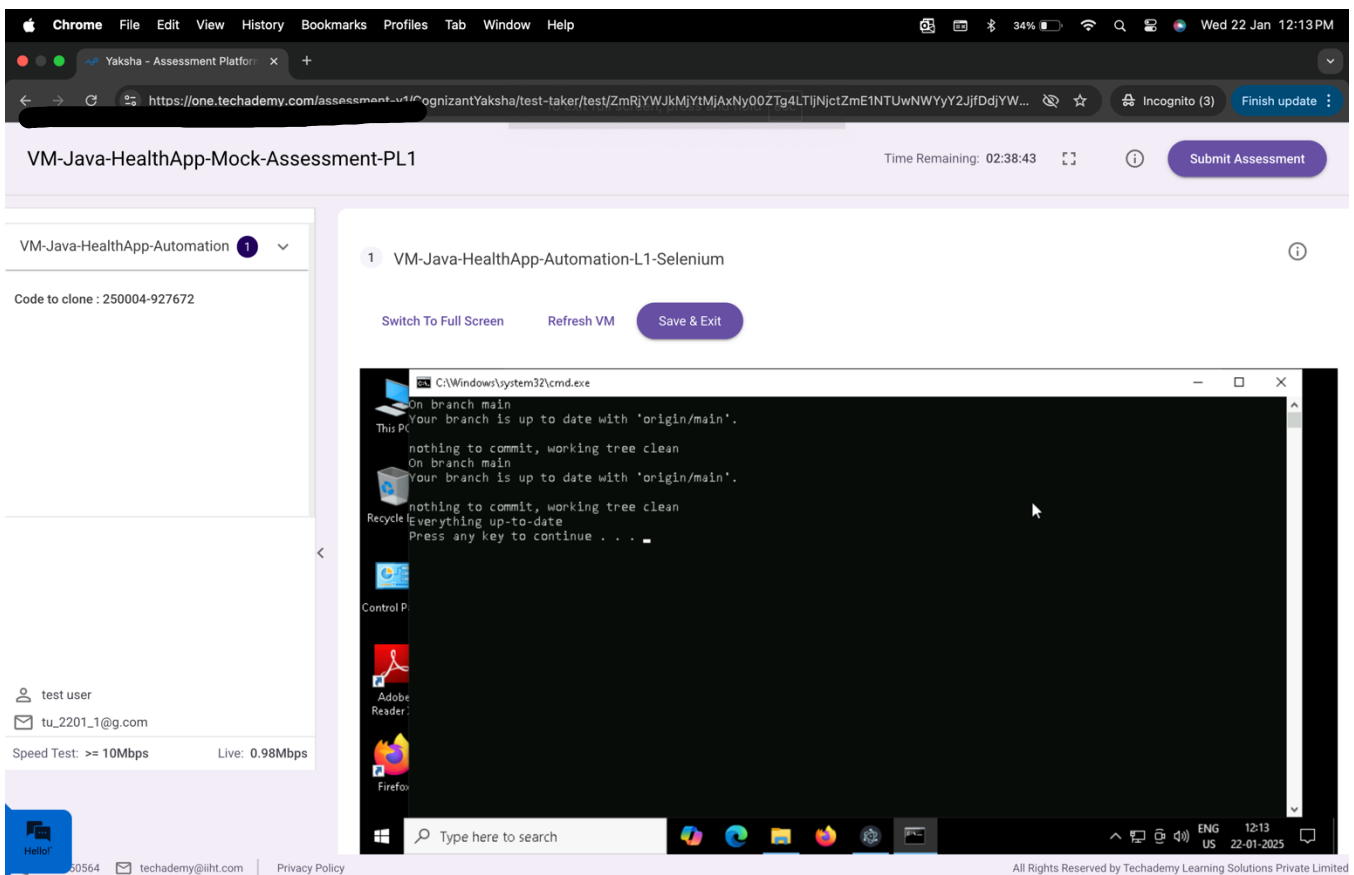
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   src/main/java/pages/StartupPage.java

no changes added to commit (use "git add" and/or "git commit -a")
[master ce9ec82] First commit
1 file changed, 1 insertion(+), 1 deletion(-)
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 618 bytes | 309.00 KiB/s, done.
Total 7 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/IIHTDevelopers/30julyig.com_1722340900123.git
   123cadc..ce9ec82  main -> main
Press any key to continue . . .
```

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.



The screenshot shows a web browser window with the URL <https://one.techademy.com/assessment-v4/IncognizantYaksha/test-taker/test/ZmRjYWJkMjYtMjAxNy00ZG4LTjNjctZmE1NTUwNWYyY2JfDdjYW...>. The page title is "VM-Java-HealthApp-Mock-Assessment-PL1". A sidebar on the left shows "VM-Java-HealthApp-Automation" with a code to clone: "250004-927672". The main area displays "1 VM-Java-HealthApp-Automation-L1-Selenium" with buttons for "Switch To Full Screen", "Refresh VM", and "Save & Exit". A large terminal window is open, showing the same Git status and commit output as the first image. The bottom of the page includes a footer with "All Rights Reserved by Techademy Learning Solutions Private Limited".

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

HealthApp Automation – Verification

All the Best