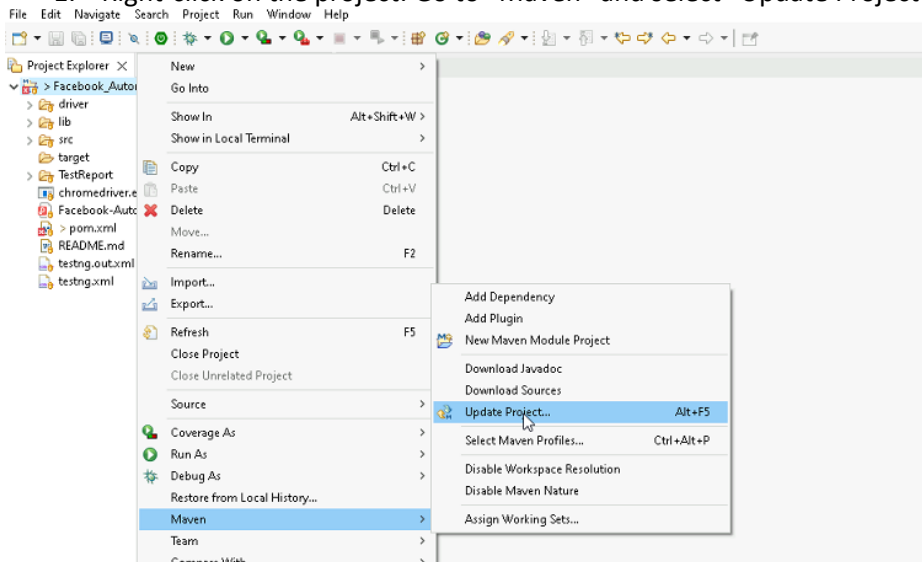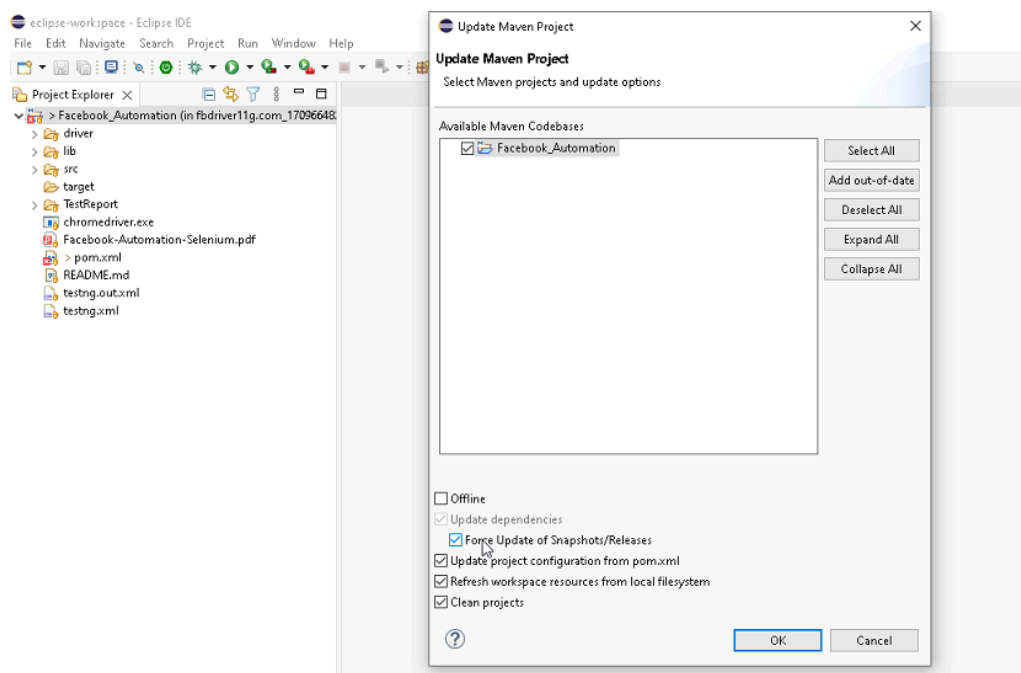# FIXED DEPOSIT INTEREST CALCULATOR

Pre-requisite:

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

1. Right-click on the project: Go to "Maven" and 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 JSON file have already been implemented here.** **This method is used to fetch the required data from JSON including the URL for navigation.**
/src/main/java/pages	yakshaHealthAppPages.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.josn	URL to navigate to. Already URL is defined here
	expected_data.json	Contains data to fill in form
/src/main/java/coreUtilities/utils	CommonEvents.json	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

We need to automate the following activities using Selenium + Java.

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Key Activities to implement:

Need to automate the following ac4vi4es using Selenium + Java.

Note: In this use case, you need to automate below scenarios using the "h4ps://www.moneycontrol.com" portal.

#	Summary
1	Open the Portal • Validate the title of Home page. • Navigate to "Fixed Deposit Interest Calculator" sub-menu from "Personal Finance" Menu.
2	Enter Investment amount.
3	Enter Investment period.
4	Enter rate of return.
5	Select interest frequency.
6	Enter tax rate.
7	Fetch total interest.
8	Fetch total payment.
9	Fetch total corpus.
10	Fetch tax amount.

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 scripts using Java and Selenium to automate all the steps in the above question. In other words, the automation script should perform all the mentioned steps.
2) Learners should not use any tools to create the xpath. They should develop the xpath/cssselector on their own

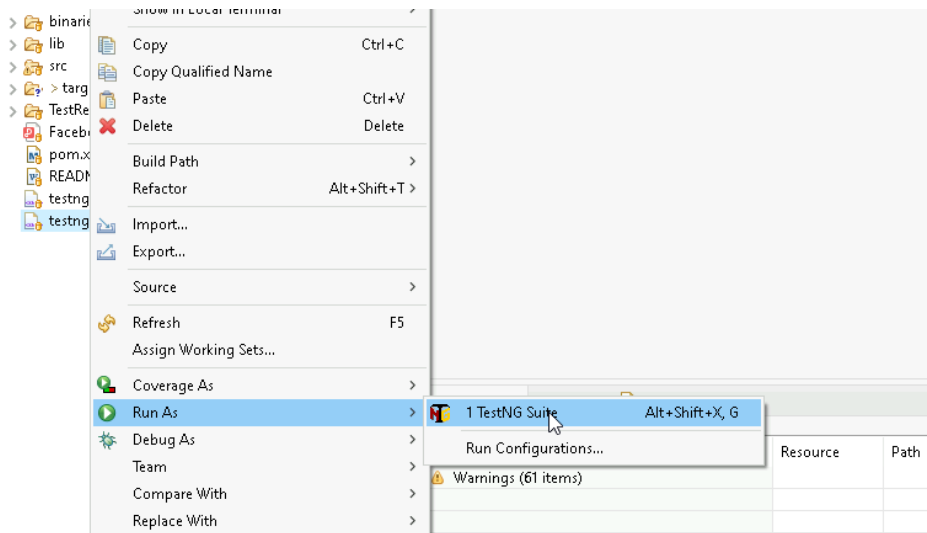# IMPLEMENTATION/FUNCTIONAL REQUIREMENT
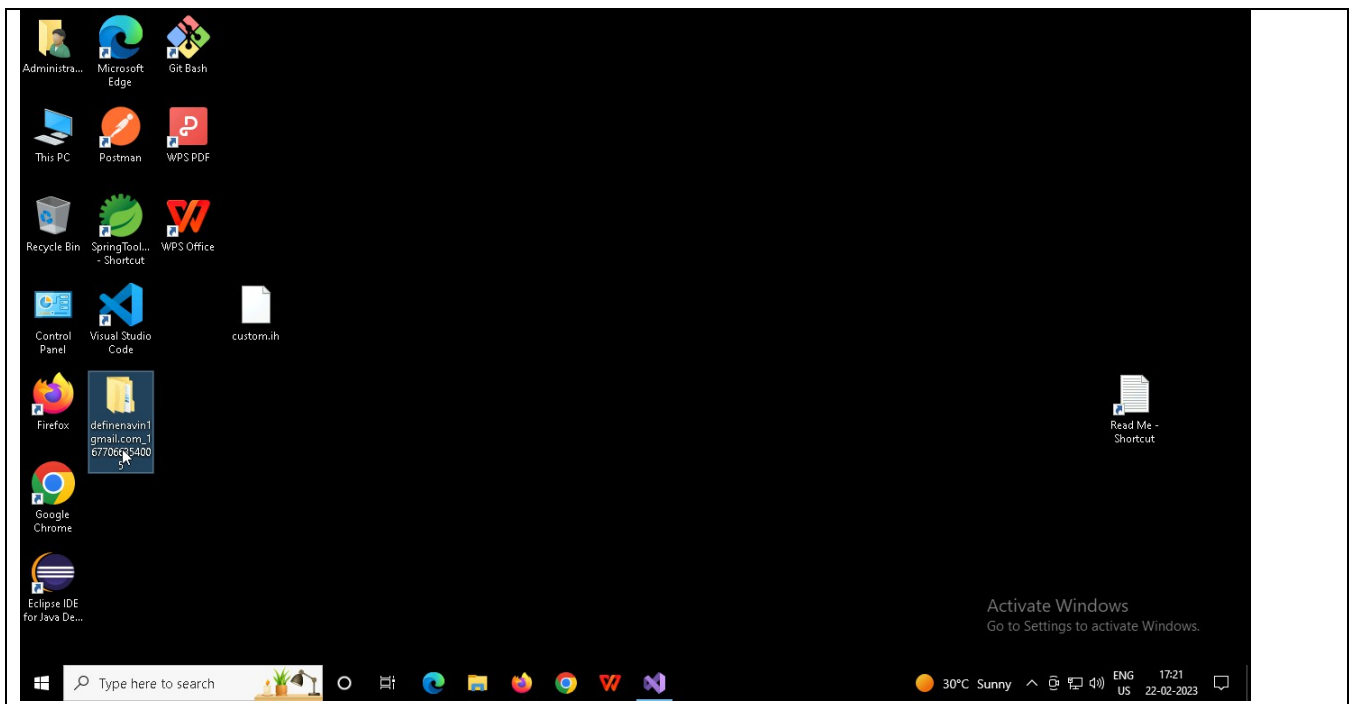
1.1   CODE QUALITY/OPTIMIZATIONS

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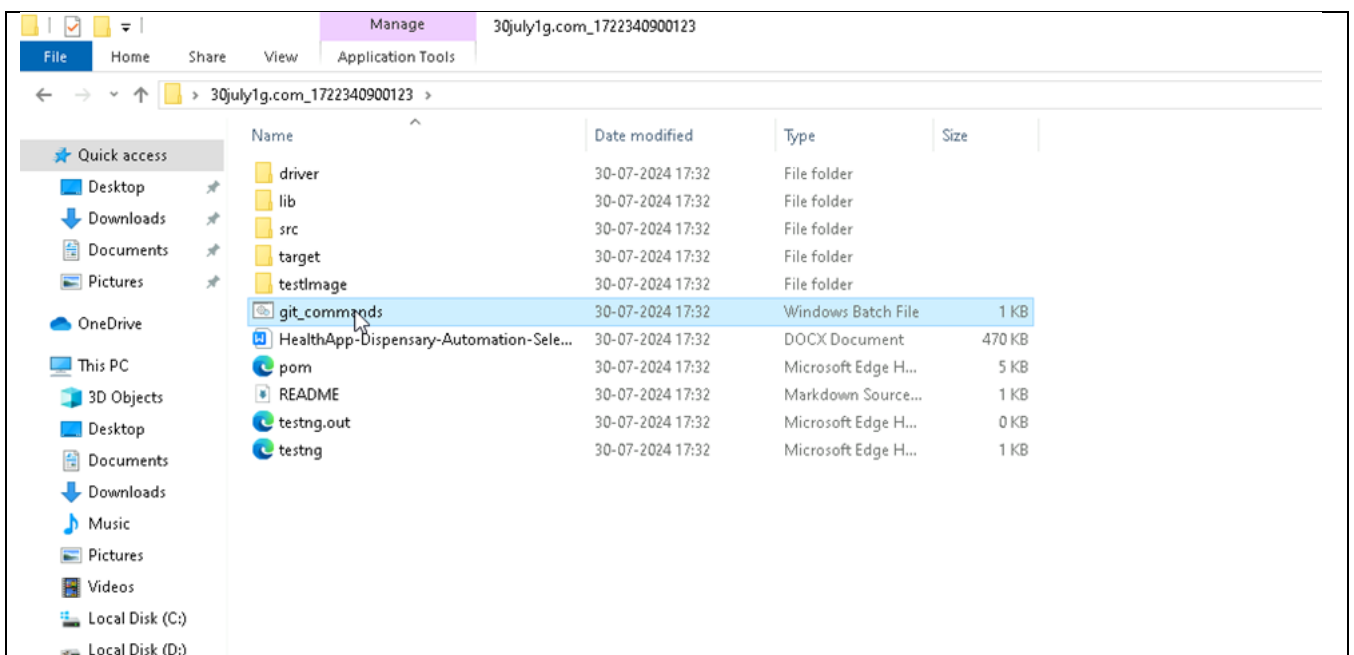
EXECUTION STEPS TO FOLLOW

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