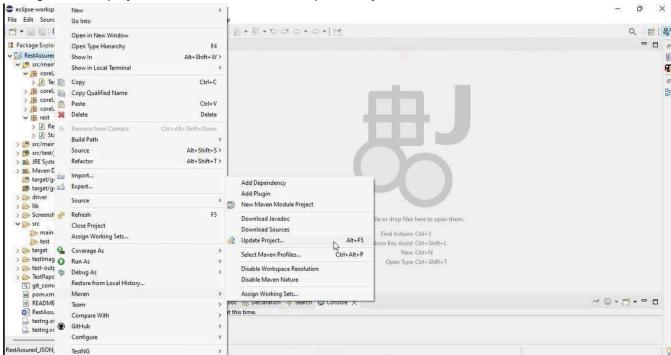
RestAssured API Automation Project

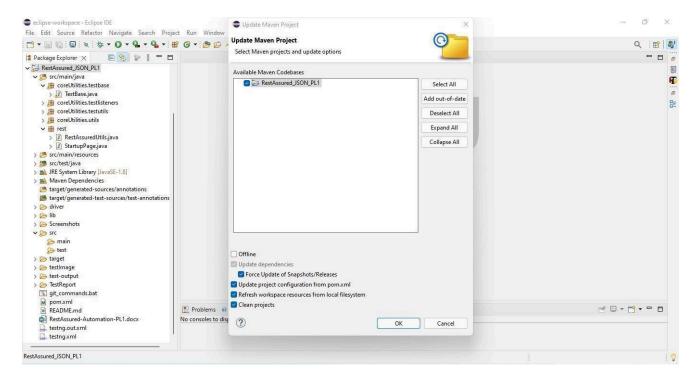
Pre-requisite:

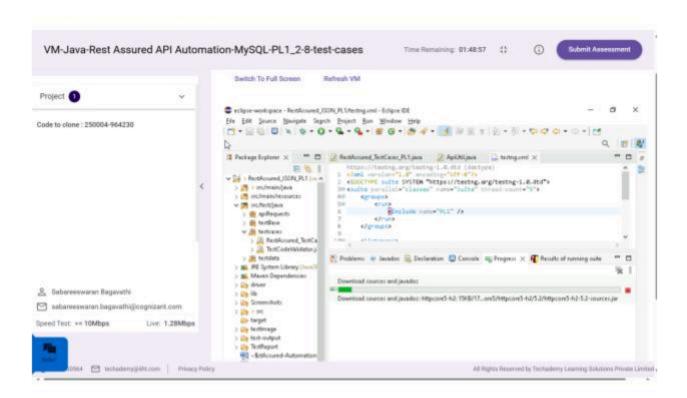
As soon as you import a project in eclipse, update the project using the maven update option as below. This is to resolve issue if any maven dependency not downloaded properly:

1. Right click on project : Go to "Maven" : Select "Update Project"



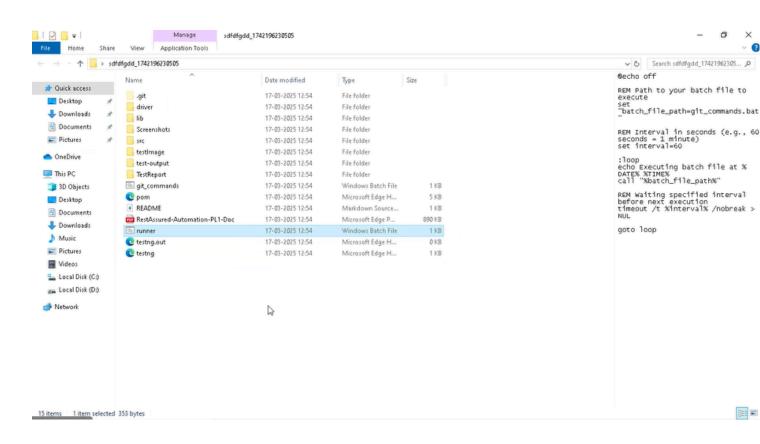
2. In Update Maven Project Box Select "Force Update of Snapshots/Releases" and click OK

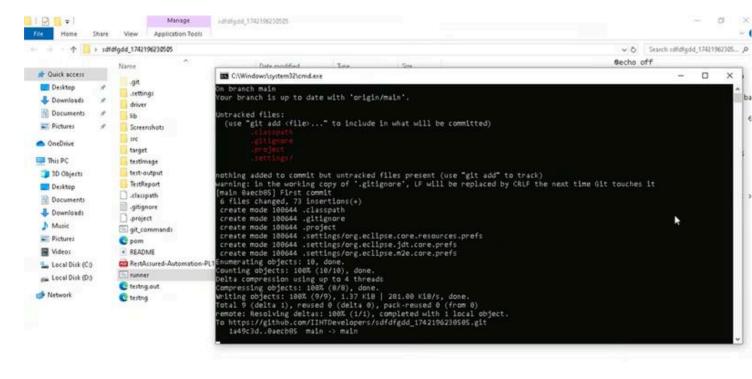




Note: Once all the project dependencies are downloaded you may find certain documentation jar files getting downloaded which may continue for a longer time. This is the known behaviour. This will not block your application development activity. You can ignore it and continue working on your application.

** Before starting any implementation. Please execute this "runner" file present in the cloned folder. This will keep pushing the changes at regular intervals.





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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 noneditable. 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/	File Operations. java	 Contains methods to read from excel file.
		Method is in templated form.
		3. You will be required to implement these methods as very first activity, because for creating post the data should be read from excel.
/src/main/java/rest	ApiUtil.java	 All core activities to be performed here.
		 The comments associated with each templated method here describe the expectation.
		3. Declare any variable/object you need to share data/status between different methods.
		4. Do not modify the signature of methods declared here.
		5. You can create additional supportive common methods in CommonEvents class.
/src/main/java/rest	AuthUtil.java	Class already defined to read and return bearer token from

		config.properties file.
/src/main/java/rest	CustomResponse	We have already created custom response object class. You need to use this and use it as return type from ApiUtil.java class methods.
/src/main/resources/	Config.xlsx	Data present to be used in Implementing functions.
/src/main/java/coreUtilities/utils	CommonEvents.java	 Contains all common activities. Certain templated common methods declared here. You implement them as per your need. You can add any additional method for common activity here
	Testng.xml	Execution needs to kick started from TestNG xml

Need to automate the following activities using RestAssured.

Key Activities to implement:

Below activities need to be implemented in the ApiUtil.java file present in src/main/java/rest package.

SI	Summary	Action	Expected Result
	Summary	Action	Expected Result
No. 1	Retrieve all stocks in Method: getAllDepartments(String endpoint, Object body)	 Call the GET on endpoint i.e https://healthapp.yaksha.com/api /AssetReports/GetAllDepartments Include a bearer token for authentication in authorization header. Trigger a GET call to the specified endpoint. Create an object of type CustomResponse and initialize it with values extracted from the Response object: Response statusCode (extracted from	- Returns an object of type CustomResponse containing statusCode, status, Results and the complete Response object. - StatusCode should be 200. - Status should be OK.
		Return the CustomResponse object from the method.	
2	Retrieve all stocks in Method: getAllItems(String endpoint, Object body)	 Call the GET on endpoint i.e https://healthapp.yaksha.com/api/	 Returns an object of type CustomResponse containing statusCode, status, Results and the complete Response object. StatusCode should be 200. Status should be OK.

			object from the method.	
3	Retrieve requisition list in	1.	-	- Returns an object of type
	Method:		https://healthapp.yaksha.com/Billin	CustomResponse
			gReports/INCTV_DocterSummar	containing statusCode,
	getIncentiveSummaryReport(S		y?FromDate="+fromDate+"&To	status, Results.JsonData
	tring endpoint, Object body)		Date="+toDate+"&IsRefferalOnl	and the complete Response
			y=" + isRefferal	object.
		2.	Include a bearer token for	State of a death and the 200
			authentication in authorization	- StatusCode should be 200.
			header.	- Status should be OK.
		3.	Trigger a GET call to the specified endpoint.	- Status siloulu de OK.
		4.	Create an object of type	
			CustomResponse and initialize it	
			with values extracted from the	
			Response object:	
			ResponsestatusCode (extracted from	
			Response object)	
			Status (extracted from	
			Response object)	
			 Results.JsonData as 	
			List <map<string, object="">></map<string,>	
			(extracted from Response	
		_	object)	
		5.	Return the CustomResponse	
4	Datriova nationt consumenting	1	object from the method.	Dotume an abject of time
"	Retrieve patient consumptions in Method:	1.	Call the GET on endpoint i.e https://healthapp.yaksha.com/Billin	 Returns an object of type CustomResponse
	iii Wethou.			containing statusCode,
	getIncReffSummReport(String		gReports/INCTV_DocterSummar y?FromDate="+incFromDate+"&	status, Results.JsonData
	endpoint, Object body)		y?rromDate= +incrromDate+ & ToDate="+incToDate+"&IsReffer	and the complete Response
	, , , , , , , , , , , , , , , , , , , ,		alOnly=" + isReferral	object.
		2.	Include a bearer token for	- StatusCode should be 200.
			authentication in authorization header.	- Status should be OK.
		3.	Trigger a GET call to the specified endpoint.	
		4.	Create an object of type	
			CustomResponse and initialize it with values extracted from the	
			Response object:	
			Response	
			statusCode (extracted from	
			Response object)	
			Status (extracted from	
			Response object)	
			Results.JsonData as	
			List <map<string, object="">></map<string,>	
			(extracted from Response	
1			object)	

		5. Return the CustomResponse	
		object from the method.	
5 Retrie	eve patient consumption	Call the GET on endpoint i.e	- Returns an object of type
1 1	n Method:	https://healthapp.yaksha.com/Rep	CustomResponse
		orting/HospitalIncomeIncentive	containing statusCode,
getHo	osplncIncReport(String	Report?FromDate="+incFromDa	status, Results and the
1 1	oint, Object body)	te+"&ToDate="+incToDate+"&S	complete Response object.
		erviceDepartments="+serviceDe	
		-	- StatusCode should be 200.
		partments	
		2. Include a bearer token for	- Status should be OK.
		authentication in authorization	
		header.	
		Trigger a GET call to the specified	
		endpoint.	
		4. Create an object of type	
		CustomResponse and initialize it	
		with values extracted from the	
		Response object:	
		• Response	
		statusCode (extracted from	
		Response object) • Status (extracted from	
		Response object)	
		Results as List<map<string,< li=""></map<string,<>	
		Object>> (extracted from	
		Response object)	
		5. Return the CustomResponse	
		object from the method.	
6 Searc	ch for a Patient with	1. Call the GET on endpoint i.e	- Returns an object of type
Autho	orization in Method:	https://healthapp.yaksha.com/api/	CustomResponse
		/Incentive/EmployeeBillItems?empl	containing statusCode,
1 -	mpBillItem(String	oyeeld=" + employeeld	status, Results and the
endp	oint, Object body)	2. Include a bearer token for	complete Response object.
		authentication in authorization	Status Codo should be 200
		header.	- StatusCode should be 200.
		3. Trigger a GET call to the specified	- Status should be OK.
		endpoint.	Status should be Six.
		4. Create an object of type	
		CustomResponse and initialize it	
		with values extracted from the	
		Response object:	
		Response statusCode (extracted from	
		 statusCode (extracted from Response object) 	
		Status (extracted from	
		Response object)	
		Results as Map<string, object=""></string,>	
		(extracted from Response	
		object)	
		5. Return the CustomResponse	

		object from the method.	
7	Search for a Patient with Authorization in Method: getInvntryFiscalYrs(String endpoint, Object body)	object from the method. 1. Call the GET on endpoint i.e https://healthapp.yaksha.com/api/ /Inventory/InventoryFiscalYears 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: • Response • statusCode (extracted from Response object) • Status (extracted from Response object) • Results as List <map<string, object="">> (extracted from Response object)</map<string,>	- Returns an object of type CustomResponse containing statusCode, status, Results and the complete Response object. - StatusCode should be 200. - Status should be OK.
		5. Return the CustomResponse object from the method.	
8	Search for a Patient with Authorization in Method: getActInventory(String endpoint, Object body)	 Call the GET on endpoint i.e https://healthapp.yaksha.com/api//ActivateInventory/ Include a bearer token for authentication in authorization header. Trigger a GET call to the specified endpoint. Create an object of type CustomResponse and initialize it with values extracted from the Response object: Response statusCode (extracted from Response object) Status (extracted from Response object) Results as List<map<string, object="">> (extracted from Response object)</map<string,> Return the CustomResponse object from the method. 	- Returns an object of type CustomResponse containing statusCode, status, Results and the complete Response object. - StatusCode should be 200. - Status should be OK.

9	Search for a Patient with	1	Call the GET on endpoint i.e	- Returns an object of type
•		١.	•	
	Authorization in Method:		https://healthapp.yaksha.com/api/	CustomResponse
			/Inventory/SubCategories	containing statusCode,
	getInvSubCat(String			status, Results and the
	endpoint, Object body)	2.		complete Response object.
			authentication in authorization	
			header.	- StatusCode should be 200.
		3.	Trigger a GET call to the specified	
			endpoint.	- Status should be OK.
		4.	Create an object of type	
			CustomResponse and initialize it	
			with values extracted from the	
			Response object:	
			 Response 	
			 statusCode (extracted from 	
			Response object)	
			 Status (extracted from 	
			Response object)	
			Results as List<map<string,< li=""></map<string,<>	
			Object>> (extracted from	
			Response object)	
		5.	Return the CustomResponse	
			object from the method.	
10	Search for a Patient with	1.		- Returns an object of type
	Authorization in Method:		https://healthapp.yaksha.com/api/	CustomResponse
			/Inventory/AvailableQuantityByIte	containing statusCode,
	getAvlQtyByStoreId(String		mldAndStoreId?itemId=" +	status, Results and the
	endpoint, Object body)		regitemid + "&storeid=" +	complete Response object.
			reqStoreId	complete nesponse object.
			requirera	- StatusCode should be 200.
		2.	Include a bearer token for	Statuscode should be 200.
			authentication in authorization	- Status should be OK.
			header.	- Status siloulu be OK.
		3.	Trigger a GET call to the specified	
			endpoint.	
		4.	Create an object of type	
			CustomResponse and initialize it with	
			values extracted from the Response	
			object:	
			Response	
			 statusCode (extracted from 	
			Response object)	
1			Status (extracted from	
			Response object)	
			Results as Map<string, object=""></string,>	
			(extracted from Response	
			object)	
1		L	· · ·	
		15.	Return the Customkesponse	l l
		5.	Return the CustomResponse object from the method.	

11	Search for a Patient with	1	Call the GET on endpoint i.e	- Returns an object of type
**	Authorization in Method:		·	CustomResponse
	Additionzacion in Method.		https://healthapp.yaksha.com/api/	containing statusCode,
	getReferrersFromEmployee		/EmployeeSettings/Referrers	status, Results and the
	Settings(String endpoint,	2.	Include a bearer token for	complete Response object.
	Object body)	۷.	authentication in authorization	complete Response object.
	Object body)		header.	- StatusCode should be 200.
		3.	Trigger a GET call to the specified	- Statuscode snould be 200.
		٥.	endpoint.	Status about diba OK
		 	Create an object of type	- Status should be OK.
		٦.	CustomResponse and initialize it	
			with values extracted from the	
			Response object:	
			Response	
			 statusCode (extracted from 	
			Response object)	
			Status (extracted from	
			Response object)	
			 Results as List<map<string,< li=""> </map<string,<>	
			Object>> (extracted from	
			Response object)	
		5.	Return the CustomResponse	
			object from the method.	
12	Search for a Patient with	6.	Call the GET on endpoint i.e	- Returns an object of type
	Authorization in Method:		https://healthapp.yaksha.com/api/	CustomResponse
			/Billing/LabBillCfgItems?departmet	containing statusCode,
	getLabBillCfgItemsByDepart		Name=radiology	status, Results and the
	mentName(String			complete Response object.
	endpoint, Object body)	7.	Include a bearer token for	
			authentication in authorization	- StatusCode should be 200.
			header.	
		8.	Trigger a GET call to the specified	- Status should be OK.
			endpoint.	
		9.	Create an object of type	
			CustomResponse and initialize it	
			with values extracted from the	
			Response object:	
			Response statusCode (outracted from	
			 statusCode (extracted from Response object) 	
			Status (extracted from	
			Response object)	
			Response object;Results as List<map<string,< li=""></map<string,<>	
			Object>> (extracted from	
			Response object)	
		10	. Return the CustomResponse	
		١٠٠	object from the method.	

13	Search for a Patient with	1. Call the GET on endpoint i.e	- Returns an object of type
13	Authorization in Method:	'	CustomResponse
	Authorization in Method.	https://healthapp.yaksha.com/api/	
	getPatientCurrentVisitCont	/Visit/PatientCurrentVisitContext?p	status, Results and the
		atientId=" + patientId +	
	extByPatientIdAndVisitId(St	"&visitId=" + visitId	complete Response object.
	ring endpoint, Object body)	Include a bearer token for authentication in authorization	- StatusCode should be 200.
		header.	- Status should be OK.
		Trigger a GET call to the specified endpoint.	Status should be OK.
		4. Create an object of type	
		CustomResponse and initialize it	
		with values extracted from the	
		Response object:	
		Response	
		 statusCode (extracted from 	
		Response object)	
		Status (extracted from Baseause abject)	
		Response object)	
		 Results as Map<string, object=""></string,> 	
		(extracted from Response object)	
		5. Return the CustomResponse	
		object from the method.	
14	Search for a Patient with	Call the GET on endpoint i.e	- Returns an object of type
		•	
1	Authorization in Method:	https://healthann.vaksha.com/ani/	I Customkesponse I
	Authorization in Method:	https://healthapp.yaksha.com/api/	CustomResponse containing statusCode.
		/Billing/PatientBillingContext?patie	containing statusCode,
	Authorization in Method: getPatientBillingContextByP atientId(String endpoint,	1	containing statusCode, status, Results and the
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie	containing statusCode,
	getPatientBillingContextByP	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId	containing statusCode, status, Results and the
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId 2. Include a bearer token for authentication in authorization	containing statusCode, status, Results and the complete Response object.
	getPatientBillingContextByP atientId(String endpoint,	 /Billing/PatientBillingContext?patie ntId=" + expectedPatientId Include a bearer token for authentication in authorization header. Trigger a GET call to the specified endpoint. Create an object of type 	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntld=" + expectedPatientId 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	 /Billing/PatientBillingContext?patie ntId=" + expectedPatientId Include a bearer token for authentication in authorization header. Trigger a GET call to the specified endpoint. Create an object of type CustomResponse and initialize it with values extracted from the Response object: 	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: ● Response	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: Response statusCode (extracted from	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: ● Response • statusCode (extracted from Response object)	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: • Response • statusCode (extracted from Response object) • Status (extracted from	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: Response statusCode (extracted from Response object) Status (extracted from Response object)	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: • Response • statusCode (extracted from Response object) • Status (extracted from Response object) • Results as Map <string, object=""></string,>	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntld=" + expectedPatientId" 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: Response statusCode (extracted from Response object) Status (extracted from Response object) Results as Map <string, object=""> (extracted from Response</string,>	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntId=" + expectedPatientId 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: Response statusCode (extracted from Response object) Status (extracted from Response object) Results as Map <string, object=""> (extracted from Response object)</string,>	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.
	getPatientBillingContextByP atientId(String endpoint,	/Billing/PatientBillingContext?patie ntld=" + expectedPatientId" 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint. 4. Create an object of type CustomResponse and initialize it with values extracted from the Response object: Response statusCode (extracted from Response object) Status (extracted from Response object) Results as Map <string, object=""> (extracted from Response</string,>	containing statusCode, status, Results and the complete Response object. - StatusCode should be 200.

15.1	Search for a Patient with	11. Call the GET on endpoint i.e	- Returns an object of type
	Authorization in Method:	https://healthapp.yaksha.com/api/	CustomResponse
		/Patient/SearchRegisteredPatient?s	containing statusCode,
	searchPatient(String	earch=" + expectedPatientName	status, Results and the
	endpoint, Object body)	caron respection unionstante	complete Response object.
	, , , ,,	12. Include a bearer token for	, ,
		authentication in authorization	- StatusCode should be 200.
		header.	
		13. Trigger a GET call to the specified	- Status should be OK.
		endpoint.	
		14. Create an object of type	
		CustomResponse and initialize it	
		with values extracted from the	
		Response object:	
		• Response	
		statusCode (extracted from	
		Response object)	
		Status (extracted from	
		Response object)	
		 Results as List<map<string,< li=""> </map<string,<>	
		Object>> (extracted from	
		Response object)	
		15. Return the CustomResponse	
		object from the method.	
15.2		16. Call the GET on endpoint i.e	- Returns an object of type
	Authorization in Method:	https://healthapp.yaksha.com/api/	CustomResponse
		/Clinical/PatientNotes?patientId=" +	
	getPatientNotes(String	patientId	status, Results and the
	endpoint, Object body)	17. Include a bearer token for	complete Response object.
		authentication in authorization	
		header.	- StatusCode should be 200.
		18. Trigger a GET call to the specified	- Status should be OK.
		endpoint.	
		19. Create an object of type	
		CustomResponse and initialize it	
		with values extracted from the	
		Response object:	
		• Response	
		statusCode (extracted from	
		Response object)	
		Status (extracted from	
		Response object)	
		 Results as List<map<string,< li=""> </map<string,<>	
1 1			
		Object>> (extracted from	
		Response object)	

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 REST Assured to automate the API testing for all the provided methods (e.g., GET, POST, PUT, DELETE). In other words, the automation script should perform all mentioned API interactions, including validation of responses.
- 2) Learners should not use any pre-built libraries or tools to validate API responses (e.g., JSON schema validation tools). They should manually validate the response content (e.g., status codes, response body, etc.) by writing their own logic for assertion.

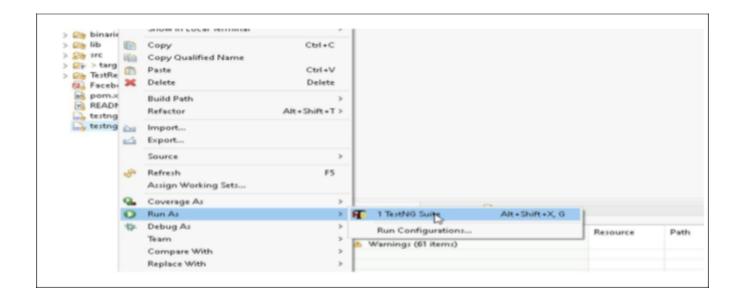
IMPLEMENTATION/FUNCTIONAL REQUIREMENT

1.1 CODE QUALITY/OPTIMIZATIONS

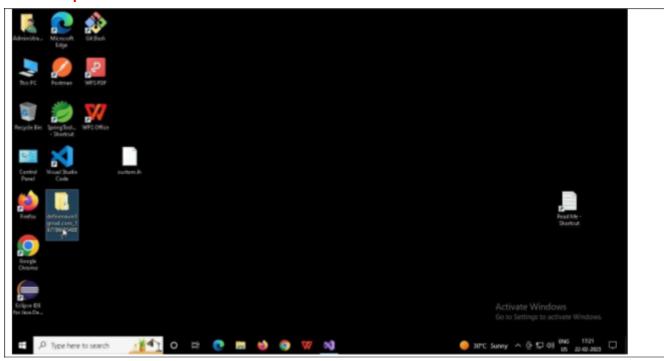
- 1. Associates should have written clean code that is readable.
- 2. Associates need to follow SOLID programming principles.

EXECUTION STEPS TO FOLLOW

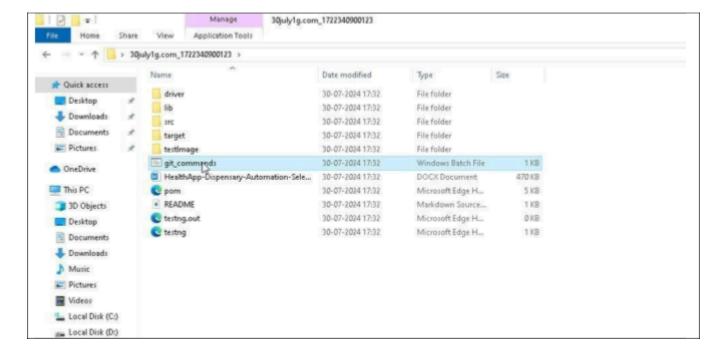
- 1. You are mandatorily required to run test cases for applications before final submission. Without which project evaluation will not happen.
- 2. You can launch test cases any time as follows: Right click on testng.xml and run TestNGSuite



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.

```
Manage

Mone Share View Application Tools

College Mone Staged for commit:

College Mone Staged for commit (use "git add" and/or "git commit -a")

I file changed, i Insertion(+), i deletion(-)

Mone Mone Staged for commit (use "git add" and/or "git commit -a")

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All the Best