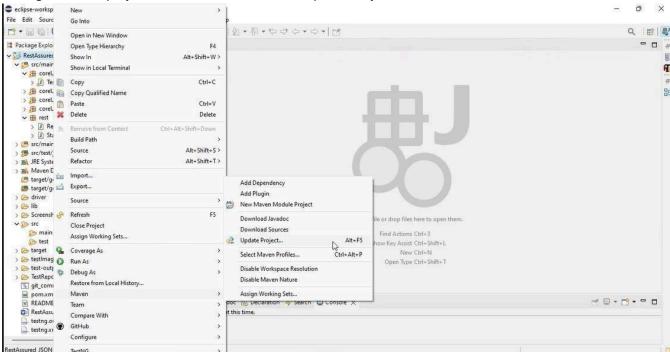
RestAssured API Automation Project

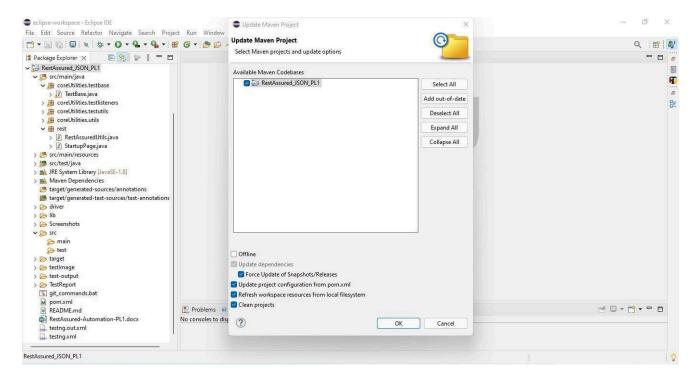
Pre-requisite:

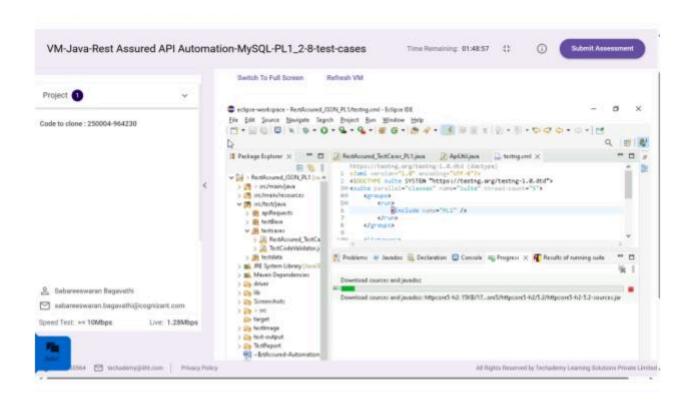
As soon as you import a project in eclipse, update the project using the maven update option as below. This is to resolve issue if any maven dependency not downloaded properly:

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

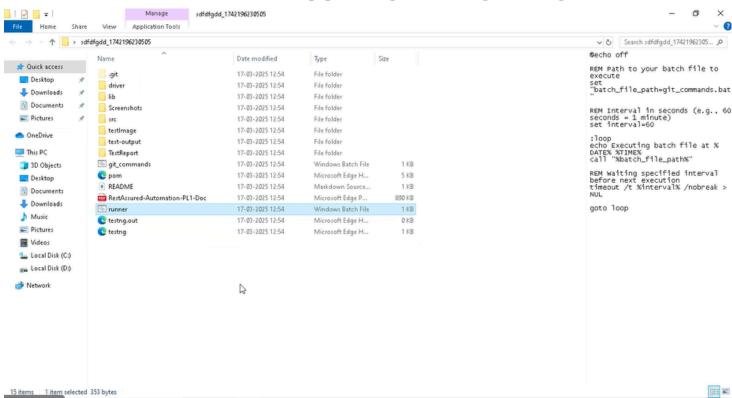


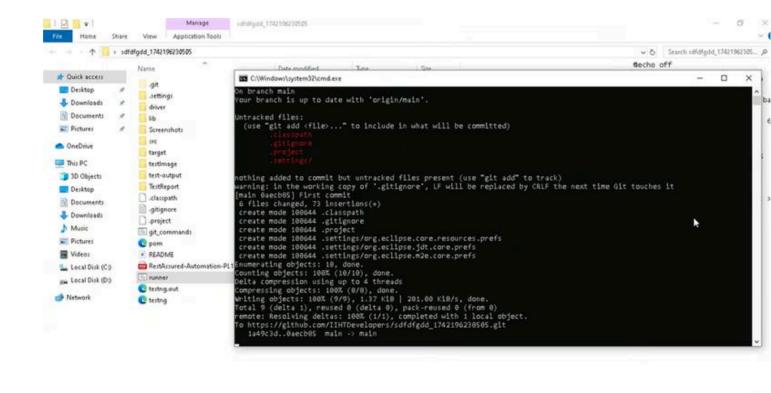
2. In Update Maven Project Box Select "Force Update of Snapshots/Releases" and click OK





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





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.

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 the "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/rest	ApiUtil.java	 All core activities to be performed here.
		2. 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.
		 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 ApiUti.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

PROBLEM STATEMENT

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	Act	tion	Expected Result	
No.		, , , ,			
1	Create an Appointment with Authorization in Method: createAppointmentWithAuth(String endpoint, Object body)	1.	Create an URL by combining the BASE_URL (already declared) and path parameter (provided as an argument in method). The final URL becomes as follows: https://healthapp.yaksha.com/api/Appointment/AddAppointm	- Returns an object of type CustomResponse containing statusCode, status, appointmentId and the complete Response object.	
		2.	ent Include a bearer token for authentication in authorization header.	- StatusCode should be 200 Status should be OK.	
		3.	Trigger a POST call to the specified endpoint.	- AppointmentId should not be null and should not be	
		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) AppointmentId (extracted from Response object) Return the CustomResponse object from the method.	empty.	
2	Get All Applicable Doctors with Authorization in Method: getAllApplicableDoctorsWit hAuth(String endpoint, Object body)	 2. 3. 	Create an URL by combining the BASE_URL (already declared) and path parameter (provided as an argument in method). The final URL becomes as follows: https://healthapp.yaksha.com/api/Visit/AppointmentApplicableDoctors Include a bearer token for authentication in authorization header. Trigger a GET call to the specified endpoint.	 Returns an object of type CustomResponse containing statusCode, status, results and the complete Response object. StatusCode should be 200. Status should be OK. Results should not be null and should not be empty. 	

		1 Create an object of tune	
		 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 of type	
		List <map<string, object="">></map<string,>	
		(extracted from Response	
		object)	
		5. Return the CustomResponse	
		object from the method.	
3	Cancels an existing	Create an URL by combining the	- Returns an object of type
	appointment with	BASE_URL (already declared) and	CustomResponse
	Authorization in Method:	path parameter (provided as an	containing statusCode,
		argument in method). The final	status, resultMessage and
	cancelAppointmentWithAuth(URL becomes as follows:	the complete Response
	String endpoint, Object body)	https://healthapp.yaksha.com/a	object.
		pi/Appointment/AppointmentStat	
		us?appointmentId=	- StatusCode should be 200.
		appointmentId&status=cancelled	
		2. Include a bearer token for	- Status should be OK.
		authentication in authorization	
		header.	- ResultMessage should not
		3. Trigger a PUT call to the specified	be null and should not be
		endpoint.	empty.
		4. Create an object of type	
		CustomResponse and initialize it	
		with values extracted from the	
		Response object:	
		Response	
		StatusCode (extracted from Beanance abject)	
		Response object)	
		 Status (extracted from Response object) 	
		ResultMessage (extracted)	
		from Response object)	
		5. Return the CustomResponse object	
		from the method.	
4	Finds if there is any clashing	1. Create an URL by combining the	- Returns an object of type
	appointment with	BASE_URL (already declared) and	CustomResponse
	Authorization in Method:	path parameter (provided as an	containing statusCode,
		argument in method). The final	status, resultMessage and
	clash Appointment With Auth (St	URL becomes as follows:	the complete Response
	ring endpoint, Object body)	https://healthapp.yaksha.com/a	object.
		pi/Appointment/CheckClashingAp	
		pointment?patientId=patientId&r	- StatusCode should be 200.
		equestDate=requestDate&perfor	
		merid =performerid	- Status should be OK.

		 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) ResultMessage (extracted from Response object) Return the CustomResponse object from the method. 	- ResultMessage should not be null and should not be empty.
5	Searches for a patient using specified query parameters with Authorization in Method: searchPatientWithAuth(String endpoint, Object body)	 Create an URL by combining the BASE_URL (already declared) and path parameter (provided as an argument in method). The final URL becomes as follows: https://healthapp.yaksha.com/api/Patient/SearchRegisteredPatient?search=Test 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 of type 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. - Results should not be null and should not be empty.

6	Retrieves a list of	1.	Create an URL by combining the	- Returns an object of type
		۱.	BASE_URL (already declared) and	CustomResponse
	appointments for a specified performer within a given date		path parameter (provided as an	containing statusCode,
			• •	
	range with Authorization in		argument in method). The final URL becomes as follows:	status, results and the
	Method:			complete Response object.
	booking istallith Author Dange (C		https://healthapp.yaksha.com/a	Status Codo obould be 200
	bookingListWithAuthInRange(S		pi/Appointment/Appointments?F	- StatusCode should be 200.
	tring endpoint, Object body)		romDate=dateFiveDaysBeforeStr&	6
			ToDate=currentDateStr&performe	- Status should be OK.
			rld=performerld&status=new	
		2.	Include a bearer token for	- Results should not be null
			authentication in authorization	and should not be empty.
			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 of type 	
			List <map<string, object="">></map<string,>	
			(extracted from Response	
			object)	
			Return the CustomResponse object	
			the method.	
7	Retrieves the complete list of	1.	Create an URL by combining the	- Returns an object of type
	stock details from the		BASE_URL (already declared) and	CustomResponse
	pharmacy with Authorization		path parameter (provided as an	containing statusCode,
	in Method:		argument in method). The final	status, results and the
			URL becomes as follows:	complete Response object.
	AllStockDetailsWithAuth(String		https://healthapp.yaksha.com/a	
	endpoint, Object body)		pi/PharmacyStock/AllStockDetails	- StatusCode should be 200.
		2.	Include a bearer token for	
			authentication in authorization	- Status should be OK.
			header.	
		3.	Trigger a GET call to the specified	- Results should not be null
			endpoint.	and should not be empty.
		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)	

		5 1. 6.	<u> </u>
		Results of typeList<map<string, object="">></map<string,>	
		(extracted from Response	
		object)	
		5. Return the CustomResponse object	
		from the method.	
8	Retrieves details of the main	1. Create an URL by combining the	- Returns an object of type
	store in the pharmacy settings	BASE_URL (already declared) and	CustomResponse
	with Authorization in Method:	path parameter (provided as an	containing statusCode,
	AA COO O DOO COMUNICIDADO DO CO	argument in method). The final	status, results and the
	MainStoreDetailsWithAuth(Stri		complete Response object.
	ng endpoint, Object body)	https://healthapp.yaksha.com/a pi/PharmacySettings/MainStore	- StatusCode should be 200.
		2. Include a bearer token for	- Statuscode snould be 200.
		authentication in authorization	- Status should be OK.
		header.	
		3. Trigger a GET call to the specified	- Results should not be null
		endpoint.	and should not be empty.
		4. Create an object of type	
		CustomResponse and initialize it	
		with values extracted from the	
		Response object:	
		Response Status Code (extracted from	
		 StatusCode (extracted from Response object) 	
		Status (extracted from	
		Response object)	
		 Results of type Map<string,< li=""> </string,<>	
		Object> (extracted from	
		Response object)	
		5. Return the CustomResponse object	
		from the method.	
9	Retrieves a list of pharmacy	1. Create an URL by combining the	- Returns an object of type
	stores and verifies the details	BASE_URL (already declared) and	CustomResponse
	of each store with	path parameter (provided as an	containing statusCode,
	Authorization in Method:	argument in method). The final URL becomes as follows:	status, results and the complete Response object.
	PharmacyStoresWithAuth(Stri	https://healthapp.yaksha.com/a	complete nesponse object.
	ng endpoint, Object body)	pi/Dispensary/PharmacyStores	- StatusCode should be 200.
	, , , , , , , , , , , , , , , , , , , ,	2. Include a bearer token for	
		authentication in authorization	- Status should be OK.
		header.	
		3. Trigger a GET call to the specified	- Results should not be null
		endpoint.	and should not be empty.
		4. Create an object of type	
		CustomResponse and initialize it	
		with values extracted from the	
		Response object: • Response	
		StatusCode (extracted from	
		Response object)	
		response object/	

		Status (extracted from	
		Response object)	
		Results of type	
		List <map<string, object="">></map<string,>	
		(extracted from Response	
		object)	
		5. Return the CustomResponse object	
		from the method.	
10	Retrieves and verifies patient	1. Create an URL by combining the	- Returns an object of type
	consumption details with	BASE_URL (already declared) and	CustomResponse
	Authorization in Method:	path parameter (provided as an	containing statusCode,
		argument in method). The final	status, results and the
	PatientConsumption(String	URL becomes as follows:	complete Response object.
	endpoint, Object body)	https://healthapp.yaksha.com/a	
		pi/PatientConsumption/PatientCo	- StatusCode should be 200.
		nsumptions	
		2. Include a bearer token for	- Status should be OK.
		authentication in authorization	
		header.	- Results should not be null
		3. Trigger a GET call to the specified	and should not be empty.
		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 of type	
		List <map<string, object="">></map<string,>	
		(extracted from Response	
		object)	
		5. Return the CustomResponse object	
44	A attitude of the sure of the	from the method.	Datuma er altisat (f.)
11	Activates a pharmacy counter	1. Create an URL by combining the	- Returns an object of type
	using counter details with Authorization in Method:	BASE_URL (already declared) and	CustomResponse
	Authorization in Method:	path parameter (provided as an argument in method). The final	containing statusCode, status, results and the
	ActivatePharmCount/String	URL becomes as follows:	complete Response object.
	ActivatePharmCount(String endpoint, Object body)	https://healthapp.yaksha.com/a	complete nesponse object.
	enapoint, Object body)	pi/Security/ActivatePharmacyCou	- StatusCode should be 200.
		nter?counterId=counterId&counte	- Statuscode Silouid De 200.
		rName=counterName	- Status should be OK.
		2. Include a bearer token for	Status silvaia de OK.
		authentication in authorization	- Results should not be null
		header.	and should not be empty.
		3. Trigger a PUT call to the specified	and should hot be ellipty.
		endpoint.	
		4. Create an object of type	
		CustomResponse and initialize it	
		Customnesponse and milianze it	

		with values extracted from the Response object: Response StatusCode (extracted from Response object) Status (extracted from Response object) Results of type Map <string, object=""> (extracted from Response object) Response object) Response object Status (extracted from Response object) Response object</string,>	
12	Deactivates a pharmacy counter with Authorization in Method: DeactivatePharmCount(String endpoint, Object body)	 Create an URL by combining the BASE_URL (already declared) and path parameter (provided as an argument in method). The final URL becomes as follows: https://healthapp.yaksha.com/a pi/Security/DeactivatePharmacyC ounter Include a bearer token for authentication in authorization header. Trigger a PUT 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 of type Map<string, object=""> (extracted from Response object)</string,> Results of type Map<string, object=""> (extracted from Response object)</string,> Response object) Response object) Response object) 	- Returns an object of type CustomResponse containing statusCode, status, results and the complete Response object StatusCode should be 200 Status should be OK Results should not be null and should not be empty.
13	Retrieves and verifies the list of appointment applicable departments with Authorization in Method: AppointApplicDept(String endpoint, Object body)	from the method. 1. Create an URL by combining the BASE_URL (already declared) and path parameter (provided as an argument in method). The final URL becomes as follows: https://healthapp.yaksha.com/api/Master/AppointmentApplicableDepartments 2. Include a bearer token for authentication in authorization header. 3. Trigger a GET call to the specified endpoint.	 Returns an object of type CustomResponse containing statusCode, status, results and the complete Response object. StatusCode should be 200. Status should be OK. Results should not be null and should not be empty.

		Π.		
		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 of type List<map<string, object="">></map<string,> (extracted from Response) 	
			object)	
		5.	Return the CustomResponse	
		obje	ct from the method.	
14	Retrieves and verifies the list of currently admitted patients with Authorization in Method:	1.	Create an URL by combining the BASE_URL (already declared) and path parameter (provided as an argument in method). The final	 Returns an object of type CustomResponse containing statusCode, status, results and the
	admittedPatientData		URL becomes as follows:	complete Response object.
	(String endpoint, Object body)		https://healthapp.yaksha.com/a	
			pi/Admission/AdmittedPatientsD	- StatusCode should be 200.
			ata?admissionStatus=admitted	
		2.	Include a bearer token for	- Status should be OK.
			authentication in authorization	
			header.	- Results should not be null
		3.	Trigger a GET call to the specified	and should not be empty.
		1	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 of type List (Man (String Objects))	
			List <map<string, object="">> (extracted from Response</map<string,>	
			object)	
		5.	Return the CustomResponse	
			ct from the method.	
15	Adds a new currency using the	— <u> </u>	Create an URL by combining the	- Returns an object of type
	provided data with		BASE_URL (already declared) and	CustomResponse
	Authorization in Method:		path parameter (provided as an	containing statusCode,
			argument in method). The final	status, restults and the
	addCurrencyWithAuth(String		URL becomes as follows:	complete Response object.
	endpoint, Object body)		https://healthapp.yaksha.com/a	Chahua Ca da ah and dhi 200
			pi/InventorySettings/Currency	- StatusCode should be 200.
				- Status should be OK.

			clude a bearer token for	Danulka akiri 131 cerit - 13
			thentication in authorization	- Results should not be null
			ader.	and should not be empty.
			gger a POST call to the specified	
			dpoint.	
			eate an object of type	
			stomResponse and initialize it	
			th values extracted from the	
		Re	sponse object:	
			 Response 	
			 StatusCode (extracted from 	
			Response object)	
			 Status (extracted from 	
			Response object)	
			 Results of type Map<string,< li=""> </string,<>	
			Object> (extracted from	
			Response object)	
		5. Ret	urn the CustomResponse object	
			e method.	
16	Finds if a patient with the	1. Cre	eate an URL by combining the	- Returns an object of type
	requested phone number	ВА	SE_URL (already declared) and	CustomResponse
	already exists with	pa	th parameter (provided as an	containing statusCode,
	Authorization in Method:	arg	gument in method). The final	status, results and the
		UR	RL becomes as follows:	complete Response object.
	findMatchingPatientWithAuth	htt	tps://healthapp.yaksha.com/a	
	(String endpoint, Object body)	pi/	/Patient/MatchingPatients?First	- StatusCode should be 200.
		Na	me=firstName&LastName=last	
		Na	me &PhoneNumber= phoneNum	- Status should be OK.
		be	r&Age=age&Gender=gender&Is	
		Ins	surance=isInsurance&IMISCode	- Results should not be null
		=ir	nisCode	and should not be empty.
		2. Inc	clude a bearer token for	
		au	thentication in authorization	
		he	ader.	
		3. Tri	gger a GET call to the specified	
		en	dpoint.	
		4. Cre	eate an object of type	
			stomResponse and initialize it	
		wi	th values extracted from the	
		Re	sponse object:	
			 Response 	
			 StatusCode (extracted from 	
			Response object)	
			 Status (extracted from 	
			Response object)	
			 Results of type 	
			List <map<string, object="">></map<string,>	
			(extracted from Response	
			object)	
			turn the CustomResponse	
		object f	rom the method.	

[am]	
17 Lists all registered patients and 1. Create an URL by combining	-
checks if their patient IDs are BASE_URL (already declared	· •
unique with Authorization in path parameter (provided a	is an containing statusCode,
Method: argument in method). The f	final status, results and the
URL becomes as follows:	complete Response object.
getRegisteredPatientsWithAut https://healthapp.yaksha.c	com/a
h(String endpoint, Object pi/Patient/SearchRegistere	
body) nt?search=	
2. Include a bearer token for	- Status should be OK.
authentication in authorizat	
header.	- Results should not be null
3. Trigger a GET call to the spe	
endpoint.	and should not be empty.
l '	
4. Create an object of type	line it
CustomResponse and initial	
with values extracted from	the
Response object:	
• Response	
StatusCode (extract	ted from
Response object)	
Status (extracted from the status for the stat	om
Response object)	
Results of type	
List <map<string, ol<="" th=""><th>bject>></th></map<string,>	bject>>
(extracted from Res	sponse
object)	
5. Return the CustomResponse of	object
from the method.	
18 Retrieves and verifies the list 1. Create an URL by combining	g the - Returns an object of type
of Billing Counters with BASE_URL (already declared	d) and CustomResponse
Authorization in Method: path parameter (provided a	s an containing statusCode,
argument in method). The f	_
getBillingCountersWithAuth(URL becomes as follows:	complete Response object.
String endpoint, Object body) https://healthapp.yaksha.c	· · · · · · · · · · · · · · · · · ·
pi/billing/BillingCounters	- StatusCode should be 200.
2. Include a bearer token for	
authentication in authorizat	tion - Status should be OK.
header.	Status Silvana Se Oil
	ecified - Results should not be null
3. Trigger a GET call to the spe	l l
3. Trigger a GET call to the spe endpoint.	- Results should not be null and should not be empty.
3. Trigger a GET call to the spe endpoint.4. Create an object of type	and should not be empty.
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial 	and should not be empty.
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial with values extracted from 	and should not be empty.
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial with values extracted from Response object: 	and should not be empty.
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial with values extracted from Response object: Response 	and should not be empty.
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial with values extracted from Response object: Response StatusCode (extracted from 	and should not be empty.
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial with values extracted from Response object: Response StatusCode (extracted from Response object) 	and should not be empty.
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial with values extracted from Response object: Response StatusCode (extracted from Response object) Results of type List<map<st< li=""> </map<st<>	and should not be empty. lize it tring,
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial with values extracted from Response object: Response StatusCode (extracted from Response object) Results of type List<map<st object="">> (extracted from Response)</map<st> 	and should not be empty. lize it tring,
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial with values extracted from Response object: Response StatusCode (extracted from Response object) Results of type List<map<st object="">> (extracted from Response)</map<st> 	and should not be empty. lize it tring, esponse
 3. Trigger a GET call to the speendpoint. 4. Create an object of type CustomResponse and initial with values extracted from Response object: Response StatusCode (extracted from Response object) Results of type List<map<st object="">> (extracted from Response)</map<st> 	and should not be empty. lize it tring, esponse

	5.	Return the CustomResponse object	
		from the method.	

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