

Challenges faced

I am working as a Fresh Starter as **Graduate Software Engineer** (Process-iCRC Comtest), recently working on the running project COMTEST V5.0 web System (huge project which will run for years) for the client **Volvo** and is responsible for developing small modules, bug fixing, fixing the UI related issues using HTML/CSS/Javascript, writing scripts in selenium web driver using C#.

While writing these assignments, it was quite challenging for me to go through all the questions because all the things were totally new to me. In my recent company, there is no such API testing taking place nor the mobile application testing as our project is completely web based. I tried my best to solve the queries and to answer them.

In the span of just 3 days, I learnt a new automation testing tool “Katalon Studio” for API testing through many resources, though not that much hands-on but can do the testing using Katalon Studio. This gave me confidence to cope up with any situation and makes me future ready.

That was really head scratching thing to find the correct resource to start with the tutorial of the new tool so I read many websites related to Katalon to grab knowledge.

Challenges I faced majorly:

- New tool to learn
- New language used that was ‘groovy’ language.
- API calling
- Collecting the responses. It was quite confusing for me when it was asked in Scenario 1 to get the value of x which was changing every time. It took me 4-5 hours to get the exact answer.
- Still there lies a problem “How to use this extracted value in other API, though API chaining I am aware of as of now, but my approach was to make

it global then use that same variable everywhere else. But groovy doesn't supports global variable in it.

- Api Chaining at this place without any prior hands-on experience was also a challenge for me.
- Hardware was also a problem as my laptop is very old so took a lot of time to load the software and then perform the functionality.
- Couldn't get time for studying Appium though.

I hope I'll overcome these challenges once I'll get used to of this tool in future 😊.

Steps to run the code

With the help of docs.katalon.com, I could do my assignment which helped me to clear my basics.

Steps which I followed are:

- Installed Katalon Studio by registering it first on the website and then login with the same credentials in the software.
- Read the instructions given and added the APIs from the given site.
- Tested the API by running them once and checking there status.
- In Http body, copying the given details to post the new user.
- Run the code to get the new user added using API.
- Check for the Response code in verifications tab.
- Verified the returned value of specific name and job.
- Extracted the value of ID which was changing everytime using Json Sluper class.
- Tried to declare the value of userID obtained as Global but couldn't do that though.
- Like wise evaluated other queries for Get and Delete API.