**Interview Questions**

1. Explain about your recent project.

2. What are Actions in WebDriver.

To deal with mouse actions like click, context click, double click, key press, drag and drop, click and hold etc.

3. What is the use of Alert class.

To handle the pop ups.

Alert alert=driver.switch To().alert();

alert.accept();

alert.dismiss();

alert.sendKeys();

4.What are the components of API

* URL
* Method- GET,POST etc
* Required parameters
* Optional parameters
* Request
* Response

5.What is BDD

* BDD is Behavior Driven Development, that is developed from TDD(Test driven Development)
* BDD is a n extension to TDD.
* It focuses on what to test and not how to test.
* Uses plain English to explain what is the exact requirement.
* Uses Gherkin syntax
* There is no technical documentation, but will contain pure English and contain exact requirement that client has.

6. What is a Feature file in Cucumber .

Cucumber is an open source tool that supports BDD.

Feature file in Cucumber consists of a Feature, which is nothing but a simple requirement.

One Feature file can have multiple scenarios.

Client, Developer and tester will have the same feature file.

7.Give a sample feature file for a Facebook login application

Feature:Test Facebook Login Scenario

Scenario:Test login with valid credentials

Given open Firefox and start application

When I enter valid user name and valid password

Then user should be able to login successfully.

(You can add more scenarios)

(This will be converted to a step definition file)

8.What are the challenges in testing API’s

* Parameter combination: Each API will take various input parameters, and there will be huge number of combinations of input parameters- mandatory and optional parameters. Combination will get increased with more number of optional parameters.
* Sequence of API calls: All the sequence flows should be covered.
* Validation of parameters: Each parameter might be designed to carry a specific value and it should be validated. It can be a number range, max length restriction, acceptance of string/value etc.

9. What is the difference between Get and Post.

Get is used for retrieval, and Post is used for creating new resource.

Get has no request body, but Post has a request body.

Get is not used for retrieval of sensitive data, because it transfers data through URL parameters. Post is used for that purpose.

Get has certain restriction in length of characters that it can append in URL.

10.What is the difference between Put and Post.

Put is used for updating a resource, where as Post is used for creating a resource.

Put can be used to create a resource if it is not already present.

Post can be used to update a resource , if resource is already present.

Put and Post has request body.

11.How did you do the API testing

Manual testing using tools like Postman.

Automation.

12. What all you need to test in an API

Status code, Status message, Header info-Content type, Content length,

Actual Response body- element presence,data order,count of data,element values.

Authentication-valid and invalid authentication keys.

Request Data validation-valid/invalid data,blank data,boundary values, mandatory/optional parameters.

End point testing

All crud operations

Security Testing

Performance Testing

13. Explain the Rest Automation Framework.

HTTPClient/Rest Assured and Java

TestNG

Apache POI for data driven testing(oauth details)

Apache log4j for logs.