**GE Interview Face to Face Questions**

**Round1**

1. Explain about your recent project.

2.Explain about the automation framework that you were using in Walmart.

Hybrid Automation FW like page object, data driven, UI Mapping.

Apache POI, Apache log4j

TestNG

Dependency injection, Inheritance

Mavens,Jenkins

3.What were the build and integration tools used there.

Mavens and Jenkins

4.How frequently were the releases in your project.

Agile methodology

Continuous deployment

Every sprint

5.Briefly explain the steps that you did from the time you got the requirements till the release, starting from gathering the requirements and writing test cases.

Get the user stories, write test cases and start with Manual Testing

Once manual testing is done , start writing Automation scripts and do Automation testing

6.What were the latest versions of Browsers you used.

IE9

Firefox 51.0

7.What are the locators you used. Which one is used frequently.

By.id is used frequently.It is the fastest

8.Which one is more efficient-Xpath or CSS. What is the significance of single slash and double slash in Xpath.

Xpath is not consistent with all browsers.It is useful for traversing backwards

CSS is faster compared to Xpath and is consistent

Absolute Xpath - /

Relative Xpath-//

9.How do you handle dynamically changing locators using CSS and Xpath.

Starts with, contains, ends with

10. Write CSS selectors for the following scenarios.

(She opened the GE website and asked me to write CSS)

11.How did you write the test cases. Explain the test plan and test step in Rally.

Rally

Test case id,name,description,type of testing,method-manual or automated,risk,Steps-Validation input and output.

12.What were the challenges you faced while doing UI Automation.

* Wait times are not unique in each browsers.Should identify wait times that is not too long or too short.
* Sometimes it is difficult to get hold of dynamically changing elements.
* Cross browser testing- IE is not always consistent.There are issues with IE especially IE9
* Safari browser have some issues with css selectors.
* Desktop based interactions- go for auto IT or Robot class
* Angular JS testing appln- Selenium do not support angular based locators-Use Protractor.
* Regression Tests fail in different environments due to data mismatch.

13.How did you handle dynamically changing data in the UI Application.

While testing, test data was given in each environment to test.

Tested using the given test data

Or Dynamic Data-If you assert for a hard coded data in the program, which changes dynamically. Go with AssertNotNull or assert True, rather than going for assert equals.

14.If you got the test data, how many sample data were given in each environment to test.

15.What was the proportion of QA and Developers in your team.

4 developers,3 QA,1 Scrum Master and 1 Product Owner.

16.What was the duration of each sprint and explain your contribution in each sprint.

2 weeks

Once User stories were assigned,start writing test cases,write the automation scripts.regerssion test cases etc

Approximately 30 test cases in a sprint

**Round 2**

1. He drew 2 sample webpages (login and search scenario with dropdown) on the whiteboard and asked me to write automation script using Selenium.

2.Suppose the click sign in the login page functionality (above sample webpage) is not working, explain the ways you would approach to solve the issue. How will you troubleshoot.

Inspect browser console to chk for client side error

Monitor network tabs to chk for API issues

Check server side logs

Chk for Deployment issue or database issue

3. Did you face any issue like, you reported a severe error, but the developer was not agreeing to it .How did you handle.

One to one session

Discussion in daily stand up

Approach BA and refer BRD

4.How many sprints have you worked on Protractor, by saying that you did a POC on it. Write the script using Protractor to automate a login scenario.

browser.get('http://www.thetestroom.com/jswebapp/'); element(by.model('person.name')).sendKeys('Joan');

element(by.model('person.pwd')).sendKeys('Pass123');

element(by.buttonText("CONTINUE")).click();

5.How do you define a defect and the defect life cycle. Have you ever encountered a situation like you reported a defect and was handled after 2 or 3 sprints.

Open

Assigned

In progress

Fixed/completed

Retest

Close the defect

reopen

6.How comfortable are you with JavaScript. What is meant by promise in JAvascript.

7.What is meant by closure in JAvasript.

8.How good are you with Rest API Automation. How did you do that and explain the framework.

Rest Assured, Datadriven FW

Base class -URL

Authentication details,parameters in excel

Test NG

Apache POI

Apche log4j

9.Write a sample code to do a post method in Rest API automation using Rest Assured.

Request Specificarion rs;

Public void posttest(){

Map<String,String> reqdata= new HashMap<String,String>();

Reqdata.put(“name”,”Beena”);

Reqdata.put(“location”,”Pleasanton”);

rs.when().ContentType(“application/json”).body(ReqData).post(“update-profile.json”).then().Statuccode(200);

**Round 3**

1. How did you do the automation framework. Was it already there.

2.If it was already there, explain your contribution in the framework.

You can say like working on API Integration or util methods like excel reading,wait utils,screen shot utils, test listener adapter etc

3.Did you handle any situation like the framework was working fine during majority of runs, but failed in between. What are the reasons for that and how did you handle.

Automation flakiness

Automation Flakiness is the instablility in automation framework.

Though Passes test 90% , fails by 10%

Wait Time-Same wait time do not work for different browsers. Ideal wait time should be selected which is not too small or too long

Locators that can be changed frequently by developers shd not be selected. Choose good locators like id or css selectors.

Proper exception handling not done

Dependent test cases-Whenever you write,try to make test cases independent of each other.

Dynamic Data-If you assert for a hard coded data in the program, which changes dynamically. Go with AssertNotNull or assert True, rather than going for assert equals.

Test that depends on API calls or webservice calls-fails when service is down or slow.

4.Briefly explain about the continuous build and integration you followed in your project.

Jenkins integrated with Git

5.What is the difference between TDD and BDD. Which one according to you is the best process.

BDD

6.Expalin about Cucumber framework.

7.In Amazon website, you need to search an item and add it into cart. Write test cases for the entire scenario on the whiteboard, and write the automation scripts using Cucumber and Selenium Webdriver or Protractor for this scenario including feature file and step definition files.

**Sample feature file and step definition for a login scenario**

.feature file

Feature:Test FB

Scenario:Test login with valid credentials

Given Open Firefox and start application

When I enter valid username and valid password

Then User should be able to login successfully

Scenario: Test login with invalid credentials

Given Open Firefox and start application

When I enter invalid username and invalid password

Then User should not be able to login successfully

Public class FBtest

{

WebDriver driver;

@Given(“^Open Firefox”)

Public void open\_Firefox(){

driver=new FirefoxDriver();

driver.get(“[www.facebook.com](http://www.facebook.com)”):

}

@When(“^I enter valid$”)

Public void entervalid(){

driver.findElement(By.id(“ ”).sendKeys(“ ”);

driver.findElement(By.id(“ “).sendKeys(“ “);

}

@Then(“^loginclick”)

Public void login(){

Driver.findElement(By.id(login).click);

}