Block- 1: Framework interview Question

1. What is framework , Explain types of framework
2. Which framework you have used& WHY?
3. Explain framework, with components
4. What is the Role of Automation in YOUR PROJECT
5. What is the advantages of the Framework/ benefits of framework

* Reusable components like object repo, generic lib, test data
* Test development is faster and execution is easier
* Maintenance of test data is easier
* Code optimization
* Modification of xpath is easier, because of POM
* Cross browser testing is easier
* Customize reports
* Listener concept is available to take a screenshot
* Running test with another credential is easier by changing username/password
* Maven dependencies will take care of get all jars from internet
* Jenkins provide remote execution

1. What is POM design pattern , explain POM design pattern rules
2. **How MANY PAGE CLASS you created**

Allocated 2 two, so we have created 16 pages classes

1. **How many modules you worked on**

**3 modules – around 250 text case I have automated**

1. What is the advantages of POM object repository
2. Maintenance of xpath is easier
3. Reusability of webelement
4. Business libraries will optimize the test development
5. Avoid duplicate locators
6. Well organized design technique maintained in Page level
7. Write a Program to store obj
8. ect in POM , & how to access object from POM
9. Write a Program to read the data form Excel
10. How do we handle **reporting** in your framework

Extend repoter

1. Any custom report you used in framework
2. What is data driven testing
3. How to achieve data driven testing

Apache POI

1. Why do you get the data from Excel why not Data Base or other File

Excel is userfriendly

1. How to run same test with multiple test data

@data provider

1. Where do you use Polymorphism in your framework

Explain browser class

1. Where do you use Up casting in your framework

Webdriver driver = new FirefoxDriver

1. Where do we use inheritance in selenium framework

Class test extends baseConfigClass{

}

1. Where do we use Abstraction in selenium framework

Class SampleListner implemenets ItestListner{

}

1. Where do we use Encapsulation in selenium framework

1. Where do we use Overriding in selenium framework

Class SampleListner implemenets ItestListner{

Public void ontestFailure(){

Take screenshot

}

**}**

1. Where do we use OverLoading in selenium framework

Class CrteateContact extends baseConfigClass{

createConatct(String firstNAme, String lastNAme){

}

createConatct(String firstNAme, String lastNAme, String addres){

}

}

1. Why your framework is hybrid, why not other framework?

Because my project is having many modules which also required test data to test the scenarios

1. What is your role in selenium framework / contribution in framework
2. Few page class we implemented
3. Few business I have created
4. I have implemented Extend Reporting in my framework
5. I have implemented few gereric mtds like waitforPageToLoad, waitForElement
6. Implemetd Report back-Up facilities
7. What your accomplishment
8. With out framework , what is the challenges
9. Difference between @findBy & @findBYs , @findAll

Class Home{

@FinBy(xpath=”//a[text()=’Contact’]”)

Weblement contactLink //identify Single Element

@findBys( {@findBy(xpath=”//a”)})

List<WebElemnets> lstLink; //identify the multiple Elements similar type of element type

}

1. Difference between @findBy & findelement()

|  |  |
| --- | --- |
| @findBy | findElement |
| @findBy is annotation available in Selenium | is a method available in WebDriver |
| used in POM design pattren to store element | used in Web driver normal test operation |
| used in identify the element based on 8 locator | used in identify the element based on 8 locator |
| executed at the time of object creatrion using pageFoctory | excuted at the time RUNTIME |

1. What suggestion you give your FrameWork
2. SVN we are using currently , better we would have GIT-HUB
3. Getting data from Excel is slower , we would have used .properties
4. Report backUP was my suggestion
5. Taking screenshot in html Report itself was my suggestion
6. Explain list Selenium Excpecption you faced in Real Time

NoSuchElement

StaleElement excelption

ElementNotVisible

IllegalState Exception

NoSuchWindowException

TimeOut

BrowserNotconnected

TestNG interview Questions

1. What is TestNG , why it is required

Ans: Unit testing framework Tool, used for parallel, grouping, parallel execution, Assertion, HTML report

1. With OUT TESTNG , what all the challenges you faced

1. Why TestNG , Why not JUNIT
2. Additional annotation
3. HTMl reporting
4. Grouping
5. Parameterziation
6. Support both java , .net
7. Parallel execution
8. What is Annotation, explain all the annotation with real time EG:

@beforeClass // global config like Launch browser

@AfterClass // close browser

@beforeMethod //login

@AfterMEthod //logout

@test //actual test script

1. What is the use @beforeTest , @afterTest in testing

@BeforTest will be executed , Before executing all the <Classes> available with Test-Runner

RealTime useage : in case of cross browser parallel execution , we do use before test annotation to set the browser

<test name=*"Test"*>

<classes>

<class name=*"com.crm.contacttest.ContactTest"*/>

<class name=*"com.crm.contacttest.SearchcontactTest"*/>

</classes>

</test> <!-- Test -->

@AfterTest will be executed , after executing all the <Classes> available with Test-Runner

**package** com.crm.genericLib;

**import** org.testng.annotations.AfterClass;

**import** org.testng.annotations.AfterTest;

**import** org.testng.annotations.BeforeClass;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.Parameters;

**public** **class** ConfigClass {

@Parameters("browser")

@BeforeTest

**public** **void** configBeforeTest(String browserNAme){

System.***out***.println("=========eceute before test======="+browserNAme);

}

@BeforeClass

**public** **void** configBeforeClass(){

System.***out***.println("=====launch browser====");

}

@AfterClass

**public** **void** configAdfterClass(){

System.***out***.println("====close browser======");

}

@AfterTest

**public** **void** configafterTest(){

System.***out***.println("=========eceute after test=======");

}

}

Testing.xml

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">

<suite name=*"Suite"*>

<test name=*"firefox"*>

<parameter name=*"browser"* value=*"firefox"*/>

<classes>

<class name=*"com.crm.contacttest.ContactTest"*/>

</classes>

</test> <!-- Test -->

<test name=*"chrome"*>

<parameter name=*"browser"* value=*"chrome"*/>

<classes>

<class name=*"com.crm.contacttest.ContactTest"*/>

</classes>

</test>

<test name=*"ie"*>

<parameter name=*"browser"* value=*"ie"*/>

<classes>

<class name=*"com.crm.contacttest.ContactTest"*/>

</classes>

</test>

</suite>

1. What is the use @beforeSuite , @afterSuite in testing

@beforeSuite will be executed Only once in Entire Suite execution before start

**Real Time usage : In Our Project we have used Extent Report tool to customize report , in order to configure custom report we have @beforeSuite annotation**

@AfterSuite will be executed Only once in Entire Suite execution complted

**Real Time usage : to close connation of extent report, & get the Execution report backup**

**package com.crm.genericLib;**

**import java.io.File;**

**import java.io.IOException;**

**import java.text.DateFormat;**

**import java.text.SimpleDateFormat;**

**import java.util.Calendar;**

**import org.apache.commons.io.FileUtils;**

**import org.testng.annotations.AfterClass;**

**import org.testng.annotations.AfterSuite;**

**import org.testng.annotations.AfterTest;**

**import org.testng.annotations.BeforeClass;**

**import org.testng.annotations.BeforeSuite;**

**import org.testng.annotations.BeforeTest;**

**import org.testng.annotations.Parameters;**

**import com.relevantcodes.extentreports.ExtentReports;**

**import com.relevantcodes.extentreports.ExtentTest;**

**public class ConfigClass {**

**public ExtentReports extent;**

**public ExtentTest logger;**

**@BeforeSuite**

**public void configbeforeSuite(){**

**extent = new ExtentReports("./test-output/report1.html", true);**

**extent.loadConfig(new File("./extent-config.xml"));**

**}**

**@AfterSuite**

**public void configafterSuite() throws IOException{**

**DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");**

**Calendar cal = Calendar.getInstance();**

**String currentData = dateFormat.format(cal.getTime());**

**File srcfile = new File("./test-output/report1.html");**

**File dstfile = new File("./test-output/"+currentData.replace("/", "\_").replace(":", "\_").replace(" ", "\_")+".html");**

**FileUtils.copyFile(srcfile, dstfile);**

**extent.close();**

**}**

**// @Parameters("browser")**

**// @BeforeTest**

**// public void configBeforeTest(String browserNAme){**

**// System.out.println("=========eceute before test======="+browserNAme);**

**// }**

**//**

**@BeforeClass**

**public void configBeforeClass(){**

**System.out.println("=====launch browser====");**

**}**

**@AfterClass**

**public void configAdfterClass(){**

**System.out.println("====close browser======");**

**}**

**// @AfterTest**

**// public void configafterTest(){**

**// System.out.println("=========eceute after test=======");**

**// }**

**}**

Example test :

package com.crm.compaignTest;

import java.io.File;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.testng.annotations.AfterSuite;

import org.testng.annotations.BeforeSuite;

import org.testng.annotations.Test;

import com.crm.genericLib.ConfigClass;

import com.relevantcodes.extentreports.ExtentReports;

import com.relevantcodes.extentreports.ExtentTest;

import com.relevantcodes.extentreports.LogStatus;

public class ComnpaignTest extends ConfigClass{

@Test

public void createCampaignTest(){

logger=extent.startTest("createCampaignTest");

//login

logger.log(LogStatus.INFO, "login to crm application");

logger.log(LogStatus.INFO, "naviagte to comp Page");

logger.log(LogStatus.INFO, "verify");

logger.log(LogStatus.INFO, "logout");

extent.endTest(logger);

}

@Test

public void modifyCampaignTest(){

logger=extent.startTest("modifyCampaignTest");

//login

logger.log(LogStatus.INFO, "login to crm application");

logger.log(LogStatus.INFO, "naviagte to comp Page");

logger.log(LogStatus.INFO, "verify");

logger.log(LogStatus.INFO, "logout");

extent.endTest(logger);

}

}

1. Explain the hierarchy of testNG annotation

@beforeSuite

@beforeTest

@beforeClass

@beforeMethod

@test

1. What is batch execution,& how to achieve batch execution

Collection multiple test is called batch , execute multiple through testing.xml

1. Write Syntax of Xml

<suite>

<test>

<classes>

<class>

1. What is grouping execution,& how to achieve group execution
2. What is parallel execution, & how to achieve parallel execution
3. How to achieve CROSS browser testing using Selenium

@parameter

1. How to disable the testing test scripts

@test(enabled=false)

1. How to execute same test with multiple times

@test(invocation count= 10)

1. What is ASSERTION, & how many assertion you used in real-time selenium testscripts , explain with real time EG

Assert.assertEquals(“actcomNAme”, “expComNAme”)

Assert.assertTrute(logoStatus)

1. What is @parameter annotation in testNG , how to send parameter to testNG test
2. How to execute same test with multiple data

@dataprrovider

1. What is the @Listner annotation in TestNG
2. Difference between testNG-Listner & webdriver Listner

testNG Lis : ITestListner

WebDriver List : EventFiringWebDriver

52 How to execute only failed test only , when batch execution is Done

After the batch execution “refresh the folder”🡪 than automatically we get testing-falied.xml (inside test-output), just the that xml file

1. How to execute dependent test-Scripts

2 ways

Priority

dependencies

1. How to execute failed test multiple times

ITestRetry

1. Whenever we get build which test-scripts, you will execute first

Using grouping concept, we will execute smoke Test first

Scenario based Question

1. What is role of Selenium in your Project

Functional / browser compatible/ OS compatible testing

1. How many modules you are allocated
2. What you do every day in office
3. How many test cases you can write / month
4. How many test case you have written in your last project
5. What is duration of the Build release
6. What is your Automation team Size
7. What processes you fallowed in your last project?
8. How many build you got in one releases
9. How may releases, u got in last project
10. How many bugs , you found in automation
11. Write a automation code for Login Page for any application
12. When we run 100 test scripts, few testscripts got failed, then what is first approach?
13. When we run 100 test scripts, all testscripts got failed, then what might be the Issues?

Manager round Interview Question

1. What is your roles & responsibility in your last project
2. When you start Automation
3. What is not automatable:
4. What is the challenges of the Automation
5. What Automation Process fallows in your Company
6. What is the Entry & exit criteria of the Automation
7. Why Automation , explain role of Automation in Regression Testing
8. Set of Manual test case is given to You , than what you do very first step

Block -2 : SVN interview Question

1. What is SVN or GitHub.
2. What is the Role of SVN /Github in Automation
3. What store & get File from SVN
4. What is the advantages of SVN

Block- 3 : Maven Interview Question

1. What is Maven/ ANT
2. What is Role of Maven FrameWork
3. What is dependencies , how to handle dependencies in framework
4. What of Project Object Model [POM .xml]
5. Explain the maven Plugin you used in your framework
6. How to Execute TEstNG.xml in Maven POM.xml

Block- 4 : Jenkins Interview Question

1. What is Jenkins
2. What is the Role of Jenkins in Framework
3. What is the Advantages of Jenkins
4. How to configure Jenkines

Selenium miscellaneous inetview question

1. Difference between xpath & css-selector
2. Where we have used contractor in selenium
3. How to execute Java-scripts in Selenium , or how to work with browser scroll bar
4. How to handle SSL popup in IE
5. What is use Selenium-Grid
6. What is the Use DEsiredCapabalites in SELENUM
7. Non automatable test case in your Project

Selenium Normal interview question

Selenium basic question

1. Explain the Selenium Architecture
2. Difference between Selenium-IDE & Selenium RC , WebDriver
3. Difference between

WebDriver driver = new FirefoxDriver()

FirefoxDriver driver = new FirefoxDriver()

1. Difference between get(), navigate().to()
2. What is API , where it is being used
3. Difference between quit() & close()
4. How to maximixe & minimize the browser
5. What is WEbdriver “interface” or Class
6. What is Super interface for WebDriver
7. What is WebElement & explain all the Mtds available in WebElement
8. How many locator is available in Webdriver , & which locator is preferred
9. How to check whether object is available in GUI
10. How to check the text from the UI
11. How to capture color , height , width , font –size of the Element
12. How to get the Location of the Webelement
13. How to check whether object is selected or not ?
14. How to check whether object is enabled in GUI
15. How to delete All Cookies
16. Do we use any constructor in webdriver
17. How to compare Image
18. How to get the webelemnt height & width

Question on WebDriver wait statement

1. What is Synchronization
2. How to handle Synchronization wait available in Webdriver
3. Which wait statement will be used to wait till page load
4. How to handle dynamic object
5. Difference between thread wait , implicitly wait , explicitly wait
6. What is fluent wait

Question DropDown & keyboard & mouse operation

1. How to handle dropdown
2. List out all mtds available in Select class
3. How to capture all the value from the dropdown
4. How to capture only Selected value from the dropdown
5. How to capture only non-selected value from the dropdown
6. How to how with multiSelect value from the dropdown
7. How to select all the similar value from the dropdown

EG we have multiSelect dropdown, like automation testing , manual testing , sql testing , java , we should all the option which contains “testing” word

1. How to work with custom select dropdown/ auto suggest dropDown
2. How to take mouse over operation on the element
3. How to perform keyboard operation
4. How to perform “control+c”
5. Difference between build() & perform()
6. How to perform drogAndDrop Operation
7. How to perform rightClick operation

Question on Window Handling

1. How to work with new Tab, new Browse-window
2. How to work with new Tab, new Browse-window with our GetWindowHAnles() mtd
3. How to handle Alert popup
4. How to work Calender POP-up
5. How to work with advitiseMent popup
6. How to work with SSL pop-up
7. How to File Download PopUP
8. How to handle File Upload Pop-up using AutoIT
9. How to Handle File Uplaod Pop-up usinh ROBOT class
10. How to Handle Browser Scrool-bar
11. How to execute java-script

Question Frame Handle

1. How to work with frame-Window
2. How to Work with nested Frame
3. How to work with multiple frame
4. How many ways to work with frame
5. How to work frame , when frame does not have id & @name attribute

Question on Multiple Browser

1. What is IllegalState Exception
2. How to work with IE , Chrome browser
3. How to write xpath in IE & chrome browser