

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 are the advantages of the Framework/ benefits of framework
 1. Reusable components like object repo , generic lib , test data
 2. Test development is faster and execution is easier
 3. Maintenance of test data is easier
 4. Code optimization
 5. Modification of xpath is easier , becoz of POM
 6. Cross browser testing is easier
 7. Customize reports
 8. Listener concept is available to take a screenshot
 9. Running test with other credential is easier by changing username/ password
 10. Maven dependencies will take care of get all jars from internet
 11. Jenkins provide remote execution
6. What is POM design pattern , explain POM design pattern rules
7. **How MANY PAGE CLASS you created**
8. **How many modules you worked on?**
9. What are the advantages of POM object repository
 1. Maintenance of xpath is easier
 2. Reusability of webelement
 3. Business libraries will optimize the test development
 4. Avoid duplicate locators
 5. Well organized design technique maintained in Page level
10. Write a Program to store object in POM , & how to access object from POM
11. Write a Program to read the data from Excel
12. What is data driven testing
13. How to achieve data driven testing

Ans : Apache POI

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

17. How to run same test with multiple test data
@data provider

18. Where do you use Polymorphism in your framework?

Ans : Explain Base class to launch the browser

19. Where do you use Up casting in your framework
Webdriver driver = new FirefoxDriver

20. Where do we use inheritance in selenium framework
Class test extends Base{
}

21. Where do we use Abstraction in selenium framework
Class ListenerImp implements ItestListener{
}

22. Where do we use Encapsulation in selenium framework
Ans : POM Classes

23. Where do we use Overriding in selenium framework
Class SampleListener implements ItestListener{
Public void ontestFailure(){

Take screenshot

}

24. Where do we use OverLoading in selenium framework

```
Class CreateContact extends baseConfigClass{  
    createConatct(String firstNAme, String lastNAme){  
    }  
    createConatct(String firstNAme, String lastNAme, String address){  
    }  
}
```

25. 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

26. What is your role in selenium framework / contribution in framework

1. Few page class we implemented
2. Few business I have created
3. I have implemented Extend Reporting in my framework
4. I have implemented few generic mtds like waitForPageToLoad, waitForElement
5. Implemented Report back-Up facilities

27. What your accomplishment

28. With out framework , what is the challenges

29. 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  
}
```

30. Difference between @findBy & findElement()

@findBy	findElement
@findBy is annotation available in Selenium used in POM design pattern to store element used in identify the element based on 8 locator executed at the time of object creation using pageFactory	is a method available in WebDriver used in Web driver normal test operation used in identify the element based on 8 locator executed at the time RUNTIME

31. What suggestion you give your FrameWork

1. SVN we are using currently , better we would have GIT-HUB
2. Getting data from Excel is slower , we would have used .properties
3. Report backUP was my suggestion
4. Taking screenshot in html Report itself was my suggestion

32. Explain list Selenium Exception you faced in Real Time

NoSuchElement
StaleElement exception
ElementNotVisible
IllegalStateException
NoSuchWindowException

TimeOut
BrowserNotconnected

TestNG interview Questions

33. What is TestNG , why it is required

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

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

35. Why TestNG , Why not JUNIT

1. Additional annotation
2. HTML reporting
3. Grouping
4. Parameterization
5. Support both java , .net
6. Parallel execution

36. What is Annotation, explain all the annotation with real time EG:

```
@beforeClass      // global config like Launch browser
@BeforeClass       // close browser
@beforeMethod     //login
@AfterMethod       //logout
@test             //actual test script
```

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

@BeforeTest 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("=====execute before test=====" + browserName);
    }

    @BeforeClass
    public void configBeforeClass(){
        System.out.println("=====launch browser=====");
    }

    @AfterClass
    public void configAfterClass(){
        System.out.println("=====close browser=====");
    }

    @AfterTest
    public void configAfterTest(){
        System.out.println("=====execute 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>

```

38. 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 completed

Real Time usage : to close connection 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 currentDate = 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("=====execute before test=====" + browserName);
    //      }
    //

    @BeforeClass
    public void configBeforeClass(){
        System.out.println("=====launch browser====");
    }

    @AfterClass
    public void configAfterClass(){
        System.out.println("====close browser====");
    }
    //      @AfterTest
    //      public void configafterTest(){
    //          System.out.println("=====execute 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);
    }

}

```

39. Explain the hierarchy of testNG annotation

- @beforeSuite
- @beforeTest
- @beforeClass
- @beforeMethod
- @test

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

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

41. Write Syntax of Xml

```

<suite>
    <test>
        <classes>
            <class>

```

42. What is grouping execution,& how to achieve group execution
 43. What is parallel execution, & how to achieve parallel execution
 44. How to achieve CROSS browser testing using Selenium
 @parameter
 45. How to disable the testing test scripts
 @test(enabled=false)
 46. How to execute same test with multiple times
 @test(invocation count= 10)
 47. What is ASSERTION, & how many assertion you used in real-time selenium testsscripts , explain with real time EG
 Assert.assertEquals("actcomNAme", "expComNAme")
 Assert.assertTrue(logoStatus)
-
48. What is @parameter annotation in testNG , how to send parameter to testNG test
 49. How to execute same test with multiple data
 @dataprovider
 50. What is the @Listner annotation in TestNG
 51. 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-failed.xml (inside test-output), just the that xml file
 52. How to execute dependent test-Scripts

 2 ways

 Priority

dependencies

53. When ever we get build which test-scripts , you will execute first
Using grouping concept , we will execute smokeTest first

Scenario based Question

55. What is role of Selenium in your Project
Functional / browser compatible/ OS compatible testing
56. How many modules you are allocated
57. What you do every day in office
58. How many test cases you can write / month
59. How many test case you have written in your last project
60. What processes you followed in your last project?
61. How many build you got in one releases
62. How many releases, u got in last project
63. How many bugs , you found in automation
64. Write a automation code for Login Page for any application
65. When we run 100 test scripts , few testscripts got failed , then what is first approach ?
66. When we run 100 test scripts , All testscripts got failed , then what might be the Issues?

Manager round Interview Question

67. What is your roles & responsibility in your last project
68. When you start Automation
69. What is not automatable:
70. What are the challenges of the Automation
71. What Automation Process follows in your Company
72. What are the Entry & exit criteria of the Automation
73. Why Automation , explain role of Automation in Regression Testing
74. Set of Manual test case is given to You , then what you do very first step

Block -2 : GIT HUB interview Question

75. What is GitHub.
76. What is the Role of Github in Automation

78. What is the advantages of GIT HUB

Block- 3 : Maven Interview Question

79. What is Maven
80. What is Role of Maven FrameWork
81. What is dependencies , how to handle dependencies in framework
82. What of Project Object Model [POM .xml]
83. Explain the maven Plugin you used in your framework
84. How to Execute TEstNG.xml in Maven POM.xml

Block- 4 : Jenkins Interview Question

85. What is Jenkins
86. What is the Role of Jenkins in Framework
87. What is the Advantages of Jenkins
88. How to configure Jenkins

Selenium miscellaneous interview question

89. Difference between xpath & css-selector
90. Where we have used contractor in selenium
91. How to execute Java-scripts in Selenium , or how to work with browser scroll bar
92. How to handle SSL popup in IE
93. Non automatable test case in your Project

Selenium Normal interview question

//Selenium basic question

96. Explain the Selenium Architecture
97. Difference between Selenium-IDE & Selenium RC , WebDriver
98. Difference between

```
WebDriver driver = new FirefoxDriver()  
FirefoxDriver driver = new FirefoxDriver()
```
99. Difference between get(), navigate().to()
100. What is API , where it is being used
101. Difference between quit() & close()
102. How to maximixe & minimize the browser

103. What is Webdriver “interface” or Class
104. What is Super interface for WebDriver
105. What is WebElement & explain all the Mtds available in WebElement
106. How many locator is available in Webdriver , & which locator is preferred
107. How to check whether object is available in GUI
108. How to check the text from the UI
109. How to capture color , height , width , font –size of the Element
110. How to get the Location of the Webelement
111. How to check whether object is selected or not ?
112. How to check whether object is enabled in GUI
113. How to delete All Cookies
114. Do we use any constructor in webdriver
115. How to compare Image
116. How to get the webelement height & width

Question on WebDriver wait statement

117. What is Synchronization
118. How to handle Synchronization wait available in Webdriver
119. Which wait statement will be used to wait till page load
120. How to handle dynamic object
121. Difference between thread wait , implicitly wait , explicitly wait
122. What is fluent wait

Question DropDown & keyboard & mouse operation

123. How to handle dropdown
124. List out all mtds available in Select class
125. How to capture all the value from the dropdown
126. How to capture only Selected value from the dropdown
127. How to capture only non-selected value from the dropdown
128. How to handle with multiSelect value from the dropdown
129. How to select all the similar value from the dropdown

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

130. How to work with custom select dropdown/ auto suggest dropDown
131. How to take mouse over operation on the element
132. How to perform keyboard operation
133. How to perform “control+c”
134. Difference between build() & perform()
135. How to perform dragAndDrop Operation
136. How to perform rightClick operation

Question on Window Handling

137. How to work with new Tab, new Browse-window

- 138. How to work with new Tab, new Browse-window with our GetWindowHAnles() mtd
- 139. How to handle Alert popup
- 140. How to work Calender POP-up
- 141. How to work with advitiseMent popup
- 142. How to File Download PopUP
- 143. How to handle File Upload Pop-up if <input type="file">
- 144. How to Handle File Uplaod Pop-up if <input> type is not file
- 145. How to Handle Browser Scrool-bar
- 146. How to execute java-script

Question Frame Handle

- 148. How to work with frame-Window
- 149. How to Work with nested Frame
- 150. How to work with multiple frame
- 151. How many ways to work with frame
- 152. How to work frame , when frame does not have id & @name attribute

Question on Multiple Browser

- 153. What is IllegalState Exception
- 154. How to work with IE , Chrome browser
- 155. How to write xpath in IE & chrome browser

