AUTOMATION FRAMEWORK ARCHITECTURE

1. TEST DATA

COMMON DATA

Data.properties
Data.json

TEST SCRIPT DATA

data.xlsx

3. GENERICUTILITY

SUPER CLASS

PROPERTY UTILITY

EXCEL UTILITY

WEBDRIVER UTILITY

JAVA UTILITY

5. TEST SCRIPTS

ORGNAME.PROJECTNAME.MODULENAME
MODULENAMETEST

@TEST
PUBLIC VOID TC NAME

MODULENAMETEST

6. testng.xml

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

9. MAVEN

POM.XML
<dependencies>
</dependencies>
<plugins>
<surefireplugins>
</plugins>

10. JENKINS

ITS CICD TOOL

.M2 FOLDER

c://users/systemnamae/.m2

2. RESOURCES

chrome.exe
firefox.exe
opera.exe
ie.exe

4. OBJECTREPOSITORY

LOGINPAGE HOMEPAGE CONTACTPAGE ORGPAGE LEADPAGE

8. SCREENSHOTS

FAILED TESTSCRIPTS

7. REPORTS

PASS FAIL SKIPPED

DEFINATION:A framework defines rules that are followed to achieve particular results.Framework is a collection of resuable components which makes automation development
execution and modification easy and faster

TEST DATA:It is a reusable component of framework in which all the datas are stored and used throughout the test execution
commondata:data which is common to all the test script like url,username,browse
testscript data:data which is specific to a particular test script

RESOURCES:It is a component of the frame which will contain all the driver executable files like chromedriver.exe,gecko.exe

GENERICUTILITY:It is a component of the frame work which contains all the common classes containing   several reusable methods and constant variable common to the framework

SUPERCLASS:It is a class which contains all the configuration annotation ,By the rule of the automation all the @test classes should extend to superclass

PROPERTYUTILITY:It is a class which will contain reusable methods to fetch the data either from propertyfile or json file

EXCELUTILITY:It contains reusable methods to fetch or write data into excel file.it is build using a dependency known as apache poi and apache poiooxml.

WEBDRIVERUTILITY:It is a class which contains all the reusable methods specific to java.

JAVAUTILITY: It is a class which contains all the reusable methods specific to java

DATABASEUTILITY:It is a class which build using JDBC,and is used to fetch or write data into any database

IPATHCONSTANT:It is an interface which will contain all the constant values assigned final to final variables that can be reused throughout the test script