**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Data Driven Framework:-**

**1) FA\_DDT Program:-**

package dataDrivenTesting;

import java.io.FileInputStream;

import java.io.FileOutputStream;

import org.apache.poi.xssf.usermodel.XSSFSheet;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import pom\_PageObjectModel.FA;

public class FA\_DDT

{

public static void main(String[] args)throws Exception

{

FileInputStream file=new FileInputStream("C:\\Users\\MAXGEN-TESTING\\Desktop\\Automation\\POI\\MT\_12.xlsx");

XSSFWorkbook w=new XSSFWorkbook(file);

XSSFSheet s=w.getSheet("DataDrivenTesting");

int rowSize=s.getLastRowNum();

System.out.println("No Of Username And Password: "+rowSize);

System.setProperty("webdriver.chrome.driver","E:\\chromedriver\\chromedriver92.exe");

WebDriver driver=new ChromeDriver();

//Thread.sleep(2000);

FA f=new FA();

for(int i=1;i<=rowSize;i++)

{

String username=s.getRow(i).getCell(0).getStringCellValue();

String password=s.getRow(i).getCell(1).getStringCellValue();

System.out.println(username+"\t\t"+password);

try

{

f.maximizeBrowser(driver);

f.url(driver);

f.userName(driver,username);

f.passWord(driver,password);

f.selectCompany(driver);

f.loginButton(driver);

f.purchase(driver);

f.itemInventory(driver);

f.logoutButton(driver);

System.out.println("Valid Username and Password.");

System.out.println("");

s.getRow(i).createCell(2).setCellValue("Valid Username and Password.");

}

catch (Exception e)

{

System.out.println("Invalid Username and Password.");

System.out.println("");

s.getRow(i).createCell(2).setCellValue("Invalid Username and Password.");

}

}

FileOutputStream out=new FileOutputStream("C:\\Users\\MAXGEN-TESTING\\Desktop\\Automation\\POI\\MT\_12.xlsx");

w.write(out);

}

}

**\*\*\*\*\*\*\*\*KEYWORD DRIVEN TESTING/FRAMEAWORK:-**

**1) MainClass Program:-**

package keyWordDrivenTesting;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class MainClass {

public static void main(String[] args) throws Exception

{

System.setProperty("webdriver.chrome.driver","E:\\chromedriver\\chromedriver92.exe");

WebDriver driver=new ChromeDriver();

Thread.sleep(2000);

ReadExcelClass r=new ReadExcelClass();

r.readExcel(driver);

}

}

**2) OperationalClass Program:-**

package keyWordDrivenTesting;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.support.ui.Select;

public class OperationalClass //POM

{

public void maximizeBrowser(WebDriver driver)

{

driver.manage().window().maximize();

}

public void url(WebDriver driver)

{

driver.get("http://frontaccounting.squadinfotech.in/");

}

public void userName(WebDriver driver,String usn)

{

driver.findElement(By.xpath("//\*[@id=\"\_page\_body\"]/form/center[1]/table/tbody/tr[3]/td[2]/input")).sendKeys(usn);

}

public void passWord(WebDriver driver,String pwd)

{

driver.findElement(By.xpath("//\*[@id=\"\_page\_body\"]/form/center[1]/table/tbody/tr[4]/td[2]/input")).sendKeys(pwd);

}

public void loginButton(WebDriver driver)

{

driver.findElement(By.xpath("//\*[@id=\"\_page\_body\"]/form/center[2]/input")).click();

}

public void selectCompany(WebDriver driver,int a)

{

Select s=new Select(driver.findElement(By.xpath("//\*[@id=\"\_page\_body\"]/form/center[1]/table/tbody/tr[5]/td[2]/select")));

s.selectByIndex(a);

}

public void purchase(WebDriver driver)

{

driver.findElement(By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tbody/tr/td/table[1]/tbody/tr/td/div/a[2]")).click();

}

public void itemInventory(WebDriver driver)

{

driver.findElement(By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tbody/tr/td/table[1]/tbody/tr/td/div/a[3]")).click();

}

public void logoutButton(WebDriver driver)

{

driver.findElement(By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tbody/tr/td/table/tbody/tr/td/table[2]/tbody/tr[1]/td[3]/a[5]/img")).click();

}

public void closeBrowser(WebDriver driver)

{

driver.close();

}

}

**3) ReadExcelClass Program:-**

package keyWordDrivenTesting;

import java.io.FileInputStream;

import org.apache.poi.xssf.usermodel.XSSFSheet;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.support.ui.Select;

public class ReadExcelClass {

public void readExcel(WebDriver driver)throws Exception

{

FileInputStream file=new FileInputStream("C:\\Users\\MAXGEN-TESTING\\Desktop\\Automation\\POI\\MT\_12.xlsx");

XSSFWorkbook w=new XSSFWorkbook(file);

XSSFSheet s=w.getSheet("keyWordDrivenTesting");

int rowSize = s.getLastRowNum();

System.out.println("No.of keys: "+rowSize);

OperationalClass o=new OperationalClass();

for(int i=1; i<=rowSize; i++)

{

String key=s.getRow(i).getCell(0).getStringCellValue();

System.out.println(key);

if(key.equals("MaximizeBrowser"))

{

o.maximizeBrowser(driver);

}

else if(key.equals("OpenURL"))

{

o.url(driver);

}

else if(key.equals("EnterUserName"))

{

o.userName(driver,"frontuser1");

}

else if(key.equals("EnterPassWord"))

{

o.passWord(driver,"frontuser1");

}

else if(key.equals("SelectCompany"))

{

o.selectCompany(driver,3);

}

else if(key.equals("ClickOnLoginButton"))

{

o.loginButton(driver);

}

else if(key.equals("ClickOnLogoutButton"))

{

o.logoutButton(driver);

}

else if(key.equals("CloseBrowser"))

{

o.closeBrowser(driver);

}

}

}

}

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**Hybrid Driven Framework:-**

**1.MainClass.java**

**package HybridDriven;**

**import org.openqa.selenium.WebDriver;**

**import org.openqa.selenium.chrome.ChromeDriver;**

**public class MainClass**

**{**

**public static void main(String[] args)throws Exception**

**{**

**System.setProperty("webdriver.chrome.driver","E:\\chromedriver\\chromedriver.exe");**

**WebDriver driver=new ChromeDriver();**

**Thread.sleep(2000);**

**ReadExcelClass r=new ReadExcelClass();**

**r.readExcel(driver);**

**}**

**}**

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**2. Operational.java**

package HybridDriven;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.support.ui.Select;

public class Operational //POM

{

public void maximizeBrowser(WebDriver driver)

{

driver.manage().window().maximize();

}

public void url(WebDriver driver)

{

driver.get("https://opensource-demo.orangehrmlive.com/");

}

public void userName(WebDriver driver,String usn)

{

driver.findElement(By.xpath("//\*[@id='txtUsername']")).sendKeys("usn");

}

public void passWord(WebDriver driver,String pwd)

{

driver.findElement(By.xpath("//\*[@id='txtPassword']")).sendKeys("pwd");

}

public void loginButton(WebDriver driver)

{

driver.findElement(By.xpath("//\*[@id='btnLogin']")).click();

}

public void welcomeButton(WebDriver driver)

{

driver.findElement(By.xpath("//\*[@id='welcome']")).click();

}

public void logoutButton(WebDriver driver)

{

driver.findElement(By.xpath("//\*[@id='welcome-menu']/ul/li[3]/a")).click();

}

public void closeBrowser(WebDriver driver)

{

driver.close();

}

}

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**3.ReadExcelclass.java**

package HybridDriven;

import java.io.FileInputStream;

import org.openqa.selenium.By;

import org.apache.poi.xssf.usermodel.XSSFSheet;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.support.ui.Select;

import keyWordDrivenTesting.OperationalClass;

public class ReadExcelClass

{

public void readExcel(WebDriver driver)throws Exception

{

FileInputStream file=new FileInputStream("C:\\Users\\MAXGEN-TESTING\\Desktop\\Automation\\POI\\MT\_12.xlsx");

XSSFWorkbook w=new XSSFWorkbook(file);

XSSFSheet s=w.getSheet("Hybrid");

int rowSize = s.getLastRowNum();

System.out.println("No.Of Data: "+rowSize);

OperationalClass o=new OperationalClass();

for(int i=1; i<=rowSize; i++)//Data Driven Testing

{

String username=s.getRow(i).getCell(1).getStringCellValue();

String password=s.getRow(i).getCell(2).getStringCellValue();

System.out.println(username+password);

try

{

for(int j=1; j<=rowSize;j++)//KeyWord Driven Testing

{

String key=s.getRow(j).getCell(0).getStringCellValue();

System.out.println(key);

if(key.equals("MaximizeBrowser"))

{

o.maximizeBrowser(driver);

}

else if(key.equals("OpenURL"))

{

o.url(driver);

}

else if(key.equals("EnterUserName"))

{

o.userName(driver, username);

}

else if(key.equals("EnterPassWord"))

{

o.passWord(driver, password);

}

else if(key.equals("ClickOnLoginButton"))

{

o.loginButton(driver);

}

else if(key.equals("ClickOnWelcomeAdminButton"))

{

o.welcomeButton(driver);

}

else if(key.equals("ClickOnLogoutButton"))

{

o.logoutButton(driver);

System.out.println("Valid Userbame And Password.");

System.out.println("");

s.getRow(i).createCell(3).setCellValue("Valid Username And Password." );

}

}

}

catch(Exception e)

{

System.out.println("Invalid Userbame And Password.");

System.out.println("");

s.getRow(i).createCell(3).setCellValue("Invalid Username And Password." );

}

}

}

}