Selenium Code #2:

How to handling radio buttons

package pomPackage;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class RadiobuttonExample {

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

{

// create the web driver object

WebDriver d=new FirefoxDriver();

// open url

Thread.sleep(5000);

d.get("http://www.newtours.demoaut.com");

// send user name

Thread.sleep(5000);

d.findElement(By.name("userName")).sendKeys("mahesh");

// send password

Thread.sleep(5000);

d.findElement(By.name("password")).sendKeys("mahesh");

// click on sign in button

Thread.sleep(5000);

d.findElement(By.name("login")).click();

// select one way radio button

Thread.sleep(5000);

d.findElement(By.xpath("html/body/div/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[2]/td[2]/b/font/input[2]")).click();

// select round trip radio button

Thread.sleep(5000);

d.findElement(By.xpath("html/body/div/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[2]/td[2]/b/font/input[1]")).click();

// select business class

Thread.sleep(5000);

d.findElement(By.xpath("html/body/div/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[9]/td[2]/font/font/input[1]")).click();

// select firstclass

Thread.sleep(5000);

d.findElement(By.xpath("html/body/div/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[9]/td[2]/font/font/input[2]")).click();

// check the radio button select or not

booleanvalue=d.findElement(By.xpath("html/body/div/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/tbody/tr/td[2]/table/tbody/tr[5]/td/form/table/tbody/tr[9]/td[2]/font/font/input[1]")).isSelected();

if(value==true)

{

System.out.println("The buisness class select..");

}

else

{

System.out.println("The buisness class not select..");

}

// close webbrowser

Thread.sleep(5000);

d.close();

}}

How to Handling DropDownlist

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package pomPackage;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

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

public class DropDownlistExample

{

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

{

// create the web driver object

WebDriver d=new FirefoxDriver();

// open url

Thread.sleep(5000);

d.get("http://www.newtours.demoaut.com");

// send user name

Thread.sleep(5000);

d.findElement(By.name("userName")).sendKeys("mahesh");

// send password

Thread.sleep(5000);

d.findElement(By.name("password")).sendKeys("mahesh");

// click on sign in button

Thread.sleep(5000);

d.findElement(By.name("login")).click();

// select passengers list

Thread.sleep(5000);

Select drp\_pass=new Select(d.findElement(By.name("passCount")));

Thread.sleep(5000);

drp\_pass.selectByValue("3");

// get the all drop down list values

Thread.sleep(5000);

Select drp\_port=new Select(d.findElement(By.name("fromPort")));

// select london

Thread.sleep(5000);

drp\_port.selectByValue("London");

// select using index values

// Thread.sleep(5000);

// drp.selectByIndex(8);

// select month

Thread.sleep(5000);

Select drp\_month=new Select(d.findElement(By.name("fromMonth")));

Thread.sleep(5000);

drp\_month.selectByValue("5");

// select date

Thread.sleep(5000);

Select drp\_date=new Select(d.findElement(By.name("fromDay")));

Thread.sleep(5000);

drp\_date.selectByValue("6");

}}

How to handling Images

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package sample;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class imageexamples

{

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

{

WebDriver d=new FirefoxDriver();

d.get("http://www.google.co.in");

Thread.sleep(5000);

String timage=d.findElement(By.xpath(".//\*[@id='hplogo']/a/img")).getAttribute("Title");

System.out.println(timage);

Thread.sleep(5000);

d.findElement(By.xpath(".//\*[@id='hplogo']/a/img")).click();

}}

package sample;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Example3 {

public static void main(String[] args)

{

WebDriver d=new FirefoxDriver();

d.get("http://wwww.google.co.in");

d.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

d.get("http://www.facebook.com");

}

}

TestNg Automation Framework:

package examplePackage;

import org.testng.annotations.Test;

public class Sample

{

@Test(priority=1)

public void Login()

{

System.out.println("Login Sucessfully....");

}

@Test(priority=3)

public void Diposit()

{

System.out.println("Money Diposit Sucessfully....");

}

@Test(priority=2)

public void Transfer()

{

System.out.println("Money Transfer Sucessfully...."); }

@Test(priority=4)

public void Logout()

{

System.out.println("Logout Sucessfully....");

}

}

Example 2:

package examplePackage;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;

public class Sample

{

WebDriver d;

@BeforeMethod

public void DelayExecution()

{

try

{

Thread.sleep(5000);

}

catch (InterruptedException e)

{

// TODO Auto-generated catch block

e.printStackTrace();

}

}

@Test(priority=1)

public void Open\_Google()

{

d=new FirefoxDriver();

d.get("http://www.google.co.in");

}

@Test(priority=2)

public void Open\_Gmail()

{

d=new FirefoxDriver();

d.get("http://www.gmail.com");

}

@Test(priority=3)

public void Open\_Facebook()

{

d=new FirefoxDriver();

d.get("http://www.facebook.com");

}

@Test(priority=4)

public void Open\_Youtube()

{

d=new FirefoxDriver();

d.get("http://www.youtube.com");

}

}

Data Driven Framework

Gmail Login Test using Data Driven Framework

package gmilPack;

import java.io.File;

import java.io.IOException;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Test;

import jxl.Cell;

import jxl.Sheet;

import jxl.Workbook;

import jxl.read.biff.BiffException;

public class TestLogin

{

@Test(dataProvider="gmailtestdata")

public void GmailLogin(String uname,String Passwd) throws InterruptedException

{

System.setProperty("webdriver.chrome.driver", "E:\\Softwares\\Testing\\chromedriver\_win32\\chromedriver.exe");

WebDriver d = new ChromeDriver();

// open google website

d.get("http://www.google.co.in");

//click on sign in hyperlink

Thread.sleep(5000);

d.findElement(By.id("gb\_70")).click();

// send the email id to textbox

Thread.sleep(5000);

d.findElement(By.id("Email")).sendKeys(uname);

// click on next button

Thread.sleep(10000);

d.findElement(By.id("next")).click();

// send the password to textbox

Thread.sleep(10000);

d.findElement(By.id("Passwd")).sendKeys(Passwd);

// click on sign in button

Thread.sleep(10000);

d.findElement(By.id("signIn")).click();

// click on gmail link

Thread.sleep(10000);

d.findElement(By.linkText("Gmail")).click();

// click on logout image

Thread.sleep(15000);

d.findElement(By.xpath(".//\*[@id='gb']/div[1]/div[1]/div[2]/div[4]/div[1]/a/span")).click();

// click on signout link

Thread.sleep(15000);

d.findElement(By.id(".//\*[@id='gb\_71']")).click();}

@DataProvider(name="gmailtestdata")

public Object[][] TestData() throws BiffException, IOException

{

// Take the ExcelSheet path

File f=new File("D:\\GmailTestData.xls");

// Get tht workbook

Workbook wb=Workbook.getWorkbook(f);

// Get Sheet

Sheet s=wb.getSheet(0);

// Get rows / columns count

int r=s.getRows();

int c=s.getColumns();

System.out.println(" Row count : "+r);

System.out.println("column Count : "+c);

// double dimensional array

String data[][]=new String[r][c];

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

{

for(int j=0;j<c;j++)

{

Cell v=s.getCell(j, i);

String cvalue=v.getContents();

System.out.println(cvalue);

data[i][j]=cvalue;

}}

return data;

}}

Keyword Driven Framework

Implement the keyword driven framework

ReadExcelSheetProcess

package gmailPack;

import java.io.FileInputStream;

import java.io.IOException;

import jxl.Sheet;

import jxl.Workbook;

import jxl.read.biff.BiffException;

public class ReadExcel

{

// create the workbook,sheet variables

Workbook wb;

Sheet sh;

// open sheet

public void OpenSheet(String filepath) throws BiffException, IOException

{

FileInputStream fs;

fs=new FileInputStream(filepath);

wb=Workbook.getWorkbook(fs);

sh=wb.getSheet(0);

}

// get the cell values

public String GetValueFromCell(int c,int r)

{

String CellData=sh.getCell(c, r).getContents();

return CellData;

}

// get row count

public int GetRowcount()

{

int r=sh.getRows();

return r;

}

// get column count

public int Getcolumncount()

{

int c=sh.getColumns();

return c;

}}

TestProcess:

package gmailPack;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.ie.InternetExplorerDriver;

public class Testcaseprocess

{

// create the webdriver

static WebDriver d;

public void Open\_Browser(String tdata)

{

if(tdata.equalsIgnoreCase("Firefox"))

{

d=new FirefoxDriver();

}

else if(tdata.equalsIgnoreCase("Chrome"))

{

System.setProperty("webdriver.chrome.driver","C:/Program Files (x86)/Google/Chrome/Application/chrome.exe");

d=new ChromeDriver();

}

else if(tdata.equalsIgnoreCase("IE"))

{

System.setProperty("webdriver.ie.driver", "C:/Program Files (x86)/Internet Explorer/iexplore.exe");

d = new InternetExplorerDriver();

}}

public void Enter\_url(String tdata)

{

d.get(tdata);

}

public void Click\_On\_Link(String ltype,String lvalue)

{

By b=GetLocatortype(ltype,lvalue);

d.findElement(b).click();

}

public void Enter\_Text(String ltype,String lvalue,String tdata)

{

By b=GetLocatortype(ltype,lvalue);

d.findElement(b).sendKeys(tdata);

}

public void Click\_On\_Button(String ltype,String lvalue)

{

By b=GetLocatortype(ltype,lvalue);

d.findElement(b).click();

}

// by functionality

public By GetLocatortype(String ltype,String lvalue)

{

By b;

switch(ltype)

{

case "id":

b=By.id(lvalue);

break;

case "name":

b=By.name(lvalue);

break;

case "xpath":

b=By.xpath(lvalue);

break;

case "linktext":

b=By.linkText(lvalue);

break;

case "partiallinktext":

b=By.partialLinkText(lvalue);

break;

case "css":

b=By.cssSelector(lvalue);

break;

default:

b=null;

break; }

return b;}}

EXECUTION FILE:

package gmailPack;

import java.io.IOException;

import org.testng.annotations.Test;

import jxl.read.biff.BiffException;

public class Execution

{

@Test(priority=1)

public static void FinalProcess() throws BiffException, IOException, InterruptedException

{

// create the class object

ReadExcel eobj=new ReadExcel();

Testcaseprocess tobj=new Testcaseprocess();

// open excel sheet

eobj.OpenSheet("D:/GmailKeywordTestData.xls");

// get the row count

int rcount=eobj.GetRowcount();

// get the column count

int ccount=eobj.Getcolumncount();

// test name

String tname="";

String ltype="";

String lvalue="";

String tdata="";

// start the row loop

for(int r=1;r<rcount;r++)

{

// get the test case name

tname=eobj.GetValueFromCell(0, r);

// get the other three colum values

for(int c=1;c<ccount;c++)

{

String cvalue=eobj.GetValueFromCell(c, r);

if(!cvalue.isEmpty() & !cvalue.equals("null"))

{

if(c==1)

{

ltype=cvalue;

}

else if(c==2)

{

lvalue=cvalue;

}

else if(c==3)

{

tdata=cvalue; }}}

// process

switch(tname)

{

case "Open\_Browser":

tobj.Open\_Browser(tdata);

break;

case "Enter\_url":

tobj.Enter\_url(tdata);

break;

case "Click\_On\_Link":

tobj.Click\_On\_Link(ltype, lvalue);

break;

case "Enter\_Text":

tobj.Enter\_Text(ltype, lvalue, tdata);

break;

case "Click\_On\_Button":

tobj.Click\_On\_Button(ltype, lvalue);

break;

default:

System.out.println("No TestCase.....");

break;

}

Thread.sleep(5000);

} // end row for loop }}