Code for excel sheet Download

**//Prerequisite Lectures - Excel API Methods explanation + dataprovider annotation**

import java.io.FileInputStream;

import java.io.IOException;

import java.util.concurrent.TimeUnit;

import org.apache.poi.ss.usermodel.Cell;

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

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

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

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

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Test;

public class GmailTestDemo {

XSSFWorkbook excelWorkbook = null;

XSSFSheet excelSheet = null;

XSSFRow row = null;

XSSFCell cell = null;

WebDriver driver = null;

@Test(dataProvider = "getData") //**dataProvider value should be equal to @DataProvider method name**

public void doLogin(**String username, String password,String browser**) { //**no. of parameter = no. of columns**

if(browser.equals("firefox")){

driver = new FirefoxDriver();

} else if(browser.equals("chrome"))

{

System.setProperty("webdriver.chrome.driver", "C:\\Users\\Anupam\\Downloads\\Software\\chromedriver.exe");

driver=new ChromeDriver();

}

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

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

driver.get("http://gmail.com");

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

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

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

driver.findElement(By.xpath("//\*[@id='Passwd']")).sendKeys(Keys.ENTER);

driver.quit();

}

@DataProvider // supplying data for a test method.

public Object[][] getData() throws IOException {

FileInputStream fis = new FileInputStream("C:\\TestData.xlsx"); // **Your .xlsx file name along with path**

excelWorkbook = new XSSFWorkbook(fis);

// Read sheet inside the workbook by its name

excelSheet = excelWorkbook.getSheet("Sheet1"); **//Your sheet name**

// Find number of rows in excel file

System.out.println("First Row Number/index:"+ excelSheet.getFirstRowNum() + " \*\*\* Last Row Number/index:"

+ excelSheet.getLastRowNum());

int rowCount = excelSheet.getLastRowNum() - excelSheet.getFirstRowNum()+1;

int colCount = excelSheet.getRow(0).getLastCellNum();

System.out.println("Row Count is: " + rowCount

+ " \*\*\* Column count is: " + colCount);

Object data[][] = new Object[rowCount-1][colCount];

for (int rNum = 2; rNum <= rowCount; rNum++) {

for (int cNum = 0; cNum < colCount; cNum++) {

System.out.print(getCellData("**Sheet1**", cNum, rNum) + " "); **// Your sheet name**

data[rNum - 2][cNum] = getCellData("**Sheet1**", cNum, rNum); **//Your sheet name**

}

System.out.println();

}

return data;

}

// Function will always used as below. It returns the data from a cell - No need to make any changes

public String getCellData(String sheetName, int colNum, int rowNum) {

try {

if (rowNum <= 0)

return "";

int index = excelWorkbook.getSheetIndex(sheetName);

if (index == -1)

return "";

excelSheet = excelWorkbook.getSheetAt(index);

row = excelSheet.getRow(rowNum - 1);

if (row == null)

return "";

cell = row.getCell(colNum);

if (cell == null)

return "";

if (cell.getCellType() == Cell.CELL\_TYPE\_STRING)

return cell.getStringCellValue();

else if (cell.getCellType() == Cell.CELL\_TYPE\_NUMERIC

|| cell.getCellType() == Cell.CELL\_TYPE\_FORMULA) {

String cellText = String.valueOf(cell.getNumericCellValue());

return cellText;

} else if (cell.getCellType() == Cell.CELL\_TYPE\_BLANK)

return "";

else

return String.valueOf(cell.getBooleanCellValue());

} catch (Exception e) {

e.printStackTrace();

return "row " + rowNum + " or column " + colNum

+ " does not exist in xls";

}

}

}

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