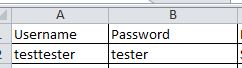
**DATADRIVEN with Web Driver using Excel**

In **Data Driven** the **input data is going to be read from some xls file, xml,csv or some other table oriented** file and might be output would also be written in **xls,xml or csx file**. All read data from various files are stored in **variables** and finally used by scripts to run the test cases.

Download jxl jar file and add it in to project in eclipse

Prepare excel sheet with test data and store it in c://testdata.xls

It should look like below



The line below creates the Workbook object encapsulating the Excel file. The getWorkbook() method accepts File object pointing to the Excel file located at “C:/testdata.xls” in this example.

|  |  |
| --- | --- |
| W | orkbook workbook =  Workbook.getWorkbook(newFile("C:/testdata.xls")); |

The line below is used to get reference to the first worksheet in the Excel file. In similar manner you can get reference to any other sheet in case the Excel file you are working on has more than one sheets.

|  |  |
| --- | --- |
|  | Sheet sheet = workbook.getSheet(“Sheet1”); |

The line below gives us the reference to a particular cell in the worksheet depending upon the arguments passed to the getCell method. The first argument represents the column and the second argument represent the row. Make sure that you access non-empty cells only, otherwise this method will throwArrayIndexOutOfBoundsException. The contents are returned as String

|  |  |
| --- | --- |
|  | sheet.getCell(0, 0).getcontents(); |

Complete code look like below

**import**java.io.File;

**import**java.util.concurrent.TimeUnit;

**import**jxl.Sheet;

**import**jxl.Workbook;

**import**jxl.read.biff.BiffException;

**import**org.openqa.selenium.By;

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

WebDriverwd=**new**FirefoxDriver();//To open Firefox Browser

Workbook workbook=Workbook.*getWorkbook*(**new** File("c://testdata.xls"));

//To load excel file

Sheet sheet=workbook.getSheet("Sheet1");

//To select particular sheet

wd.manage().timeouts().implicitlyWait(10, TimeUnit.*SECONDS*);

wd.manage().window().maximize();

//To maximize the window

wd.get(properties.getProperty("http://www.adactin.com/HotelAppBuild2/"));

// To open Hotel App

wd.findElement(By.*id*(“username”)).sendKeys(sheet.getCell(0,1).getContents());

//To enter username

wd.findElement(By.*id*(“password”)).sendKeys(sheet.getCell(1,1).getContents());

//To enter password

wd.findElement(By.*id*(“login”)).click();

//To click login button