import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.util.ArrayList;

import java.util.Iterator;

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

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

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

import org.apache.poi.ss.util.NumberToTextConverter;

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

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

public class dataDriven {

//Identify Testcases coloum by scanning the entire 1st row

//once coloumn is identified then scan entire testcase coloum to identify purcjhase testcase row

//after you grab purchase testcase row = pull all the data of that row and feed into test

public ArrayList<String> getData(String testcaseName) throws IOException

{

//fileInputStream argument

ArrayList<String> a=new ArrayList<String>();

FileInputStream fis=new FileInputStream("C://Users//rahul//Documents//demodata.xlsx");

XSSFWorkbook workbook=new XSSFWorkbook(fis);

int sheets=workbook.getNumberOfSheets();

for(int i=0;i<sheets;i++)

{

if(workbook.getSheetName(i).equalsIgnoreCase("testdata"))

{

XSSFSheet sheet=workbook.getSheetAt(i);

//Identify Testcases coloum by scanning the entire 1st row

Iterator<Row> rows= sheet.iterator();// sheet is collection of rows

Row firstrow= rows.next();

Iterator<Cell> ce=firstrow.cellIterator();//row is collection of cells

int k=0;

int coloumn = 0;

while(ce.hasNext())

{

Cell value=ce.next();

if(value.getStringCellValue().equalsIgnoreCase("TestCases"))

{

coloumn=k;

}

k++;

}

System.out.println(coloumn);

////once coloumn is identified then scan entire testcase coloum to identify purcjhase testcase row

while(rows.hasNext())

{

Row r=rows.next();

if(r.getCell(coloumn).getStringCellValue().equalsIgnoreCase(testcaseName))

{

////after you grab purchase testcase row = pull all the data of that row and feed into test

Iterator<Cell> cv=r.cellIterator();

while(cv.hasNext())

{

Cell c= cv.next();

if(c.getCellTypeEnum()==CellType.STRING)

{

a.add(c.getStringCellValue());

}

else{

a.add(NumberToTextConverter.toText(c.getNumericCellValue()));

}

}

}

}

}

}

return a;

}

public static void main(String[] args) throws IOException {

// TODO Auto-generated method stub

}

}