package excelConcepts;

import java.io.BufferedInputStream;

import java.io.BufferedOutputStream;

import java.io.FileInputStream;

import java.io.FileOutputStream;

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;

public class WriteXL {

public String path;

public FileInputStream fis = null;

public FileOutputStream fileOut =null;

private XSSFWorkbook workbook = null;

private XSSFSheet sheet = null;

private XSSFRow row =null;

private XSSFCell cell = null;

public WriteXL(String path) {

this.path=path;

openWorkbook(path);

}

public void openWorkbook(String path) {

try {

fis = new FileInputStream(path);

workbook = new XSSFWorkbook(new BufferedInputStream(fis));

sheet = workbook.getSheetAt(0);

//workbook.getSheetAt(index)

fis.close();

} catch (Exception e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

public boolean setCellDataColNo(String sheetName,int colNo,int rowNum, String data){

try{

//fis = new FileInputStream(path);

//workbook = new XSSFWorkbook(fis);

if(rowNum<=0)

return false;

int index = workbook.getSheetIndex(sheetName);

//int colNum=-1;

if(index==-1)

return false;

sheet = workbook.getSheetAt(index);

row=sheet.getRow(0);

for(int i=0;i<row.getLastCellNum();i++){ // fixing max column search value to 20 as, have row.getLastCellNum is giving error when we try to write in a newly created sheet

//System.out.println(row.getCell(i).getStringCellValue().trim());

//if(row.getCell(i).getStringCellValue().trim().equals(colName))

// colNum=i;

}

//if(colNum==-1)

// return false;

row = sheet.getRow(rowNum-1);

if (row == null)

row = sheet.createRow(rowNum-1);

cell = row.getCell(colNo);

if (cell == null) {

cell = row.createCell(colNo);

// cell.setCellStyle()

}

// cell style

//CellStyle cs = workbook.createCellStyle();

//cs.setWrapText(true);

//cell.setCellStyle(cs);

cell.setCellValue(data);

//sheet.autoSizeColumn(colNum);

sheet.setColumnWidth(colNo, 5000);

try{

BufferedOutputStream brOut = new BufferedOutputStream(new FileOutputStream(path));

workbook.write(brOut);

brOut.close();

}catch(Exception e){

//Logging.log("GOT PROCESS LOCK EXCEPTION");

Thread.sleep(2000);

BufferedOutputStream brOut = new BufferedOutputStream(new FileOutputStream(path));

workbook.write(brOut);

brOut.close();

}

//workbook.write(fileOut);

//fileOut.close();

fis.close();

openWorkbook(path);

}

catch(Exception e){

e.printStackTrace();

return false;

}

return true;

}

public static void main(String[] args) {

WriteXL wl=new WriteXL("C:\\Users\\Narayana\\Desktop\\Test.xlsx");

wl.openWorkbook("C:\\Users\\Narayana\\Desktop\\Test.xlsx");

wl.setCellDataColNo("Sheet1", 10, 11, "test3");

System.out.println("Successful");

}

}