ExcelPlus导出报表

1. 所用到的工具类

```
ExcelMake、ExcelUtilPlus、FileUtil
```

2. JSON格式参数：sheetName、props、1、2··· (row: 1、2代表行数)

```
sheetName:     导出报表的名称，字符串格式''

props:              导出报表哪些属性，需要与查询的字段匹配（不相同的使用as别名），字符串数组格式['','','']

1:                   第一行，一行中有多个单元格，单元格有width,height,name属性，数组对象格式[{},{}]
2:                   第二行，一行中有多个单元格，单元格有width,height,name属性，数组对象格式[{},{}]
                    行示例: [{width:'',height:'',name:''},{width:'',height:'',name:''}]
```

3. js代码实例

```js
$("#export").click(function () {
    var sheetName = "报表";
    var props = ["id", "userName", "genderName", "createDate"];
    var row1 = [{"width":"1","height":"3","name":"结算部门"},
{"width":"1","height":"3","name":"类型"},{"width":"6","height":"1","name":"公司账户"}];
    var row2 = [{"width":"3","height":"1","name":"点心"},
{"width":"3","height":"1","name":"套餐"}];
    var row3 = [{"width":"1","height":"1","name":"刷卡次数"},
{"width":"1","height":"1","name":"单价"},{"width":"1","height":"1","name":"总金额"},
{"width":"1","height":"1","name":"次数"},{"width":"1","height":"1","name":"单价"},
{"width":"1","height":"1","name":"总金额"}];
    var data = {"1":row1,"2":row2,"3":row3,"props":props,"sheetName":sheetName}
    $.ajax({
        url:"/user/export",
        data:JSON.stringify(data),
        type:"post",
        contentType:"application/json",
        success:function(fileName){
            console.log(fileName);
            window.open("../user/downLoad?fileName=" + fileName);
        },error:function(){
            console.log("失败！");
        }
    })
})
}
```

4. java代码实例

```java
//存放excel的文件夹
String excelPath = "excel" + File.separator;

/**
 * 以流的方式导出报表（支持多表头）
 * @return
 */
@ResponseBody
@RequestMapping(value = "/export")
public String export(@RequestBody JSONObject data,
                     HttpServletRequest request, HttpServletResponse response){

    System.out.println(data.toJSONString());
    String sheetName = data.get("sheetName").toString();

    //获取数据--JSONObject对象
    List<JSONObject> list = userService.getUserListJSONObject();

    //excel文件名
    String fileName = sheetName + System.currentTimeMillis() + ".xls";

    //绘制单元格对象
    ExcelMake make = new ExcelMake(sheetName);

    String dirPath = request.getSession().getServletContext().getRealPath(excelPath);
    String filePath = dirPath + File.separator + fileName;

    //上传到服务器位置，用户用的话需要调用下载的方法
    try {
        File file = new File(dirPath);
        if(!file.exists()){file.mkdirs();}
        FileOutputStream fos = new FileOutputStream(filePath);
        FileUtil.setResponseHeader(fileName,response);
        HSSFWorkbook wb = new ExcelUtilPlus().getHSSFWorkbook(make, data, list);
        wb.write(fos);
        fos.flush();
        fos.close();
    } catch (Exception e) {
        e.printStackTrace();
    }finally {
        System.out.println(filePath + "\t" +fileName);
        return fileName;
    }

}

/**
    下载服务器的Excel文件
*/
@RequestMapping(value = "/downLoad")
```

```java
public void downLoad(String fileName,HttpServletRequest request,HttpServletResponse
response) throws IOException {
    String dirPath = request.getSession().getServletContext().getRealPath(excelPath);
    FileUtil.downLoadFile(fileName,dirPath,request,response);
    System.out.println(dirPath+File.separator+fileName);
}
```

5. 实例文件的格式

	结算部门	类型	公司账户					
			点心			套餐		
			刷卡次数	单价	总金额	次数	单价	总金额
4	1	admin	男	2018-08-22 00:00:00				
5	2	_Cps	女	2019-08-08 00:00:00				
6	4	甲	男	2019-02-02 00:00:00				
7	5	乙	男	2008-10-09 00:00:00				
8	6	丙	女	2006-12-28 00:00:00				