**SQL关键脚本**

create trigger a

on parking

for insert

as begin

declare @free int,@pid varchar(50),@cid varchar(50)

select @pid=pid from inserted

select @cid=cid from inserted

select COUNT(\*) from parking

where cid=@cid

select @free=free from park

where pid = @pid

if(@free>0)

begin

update park set free=@free-1

where pid = @pid

Insert into car values

(@cid,@pid,GETDATE(),null,null)

end

else if(@free<=0)

begin

rollback

print('车位已满')

End

create trigger b

on parking

for delete

as begin

declare @ddif int,@pid varchar(50),

@cid varchar(50),@tin datetime

select @pid=pid from deleted

select @cid=cid from deleted

select @tin=tin from car

where cid=@cid and tout is null

select @ddif=datediff(ss,@tin,getdate())/60

update car set tout=getdate()

where cid=@cid and tout is null

update park set free=free+1

where pid=@pid

if(@ddif<=10)

//在parking表中创建触发器 a

//将inserted表中的pid,cid值赋值给变量@pid,@cid

//查找parking表中对应cid的数据的数量

//查找park表中对应pid的数据的free列的值赋值给变量@free

//if判断语句：若@free大于0，表明该停车场有空闲车位，车辆驶入；若小于0，表明停车场无空位

//在parking表中创建触发器b

//将deleted表中的pid,cid值赋值给变量@pid,@cid

//将car表中对应cid且tout为空的数据的tin值赋值给变量@tin

//计算getdate()与@tin的差值/60的值并格式化为int型数据赋值给变量@ddif同时更新car表中tout值为getdate()，park表中对应pid的数据的free值+1

update car set money=0

end

else if(@ddif>10 and @ddif<=30)

begin

update car set money=10

end

else

begin

update car set money=@ddif-20

end

End

**Mybatis中**

**与数据库连接的配置文件**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE generatorConfiguration PUBLIC "-//mybatis.org//DTD MyBatis Generator Configuration 1.0//EN" "http://mybatis.org/dtd/mybatis-generator-config\_1\_0.dtd">

<generatorConfiguration>

**<!-- 相应 数据库驱动-->**

<classPathEntry location=*"D:\Tools\driver\mssql-jdbc-6.1.0.jre8.jar"*/>

<context id=*"mysqltables"* targetRuntime=*"MyBatis3"* defaultModelType=*"conditional"*>

**<!-- 注释生成-->**

<commentGenerator>

<property name=*"suppressDate"* value=*"true"*/>

**<!-- 是否去除自动生成的注释 true：是 ： false:否 -->**

<property name=*"suppressAllComments"* value=*"true"*/>

</commentGenerator>

//if判断语句：停车计费，若@ddif<=10，0元；若@ddif>10 and @ddif<=30，10元；超过30分钟的按1元/分钟计费

**<!--数据库链接URL，用户名、密码 -->**

<jdbcConnection driverClass=*"com.microsoft.sqlserver.jdbc.SQLServerDriver"* connectionURL=*"jdbc:sqlserver://localhost:60911;DatabaseName=keshe"* userId=*"sa"* password=*"123456789"*>

</jdbcConnection>

<javaTypeResolver>

<property name=*"forceBigDecimals"* value=*"false"*/>

</javaTypeResolver>

**<!-- 生成模型的包名和位置-->**

<javaModelGenerator targetPackage=*"com.jkl.model"* targetProject=*"mybatis"*>

<property name=*"enableSubPackages"* value=*"true"*/>

<property name=*"trimStrings"* value=*"true"*/>

</javaModelGenerator>

**<!-- 生成映射文件的包名和位置-->**

<sqlMapGenerator targetPackage=*"com.jkl.mapping"* targetProject=*"mybatis"*>

<property name=*"enableSubPackages"* value=*"true"*/>

</sqlMapGenerator>

**<!-- 生成DAO的包名和位置-->**

<javaClientGenerator type=*"XMLMAPPER"* targetPackage=*"com.jkl.mapper"* targetProject=*"mybatis"*>

<property name=*"enableSubPackages"* value=*"true"*/>

</javaClientGenerator>

**<!-- 要生成哪些表-->**

<table tableName=*"user"* domainObjectName=*"User"* enableCountByExample=*"false"* enableUpdateByExample=*"false"* enableDeleteByExample=*"false"* enableSelectByExample=*"false"* selectByExampleQueryId=*"false"*></table>

<table tableName=*"car"* domainObjectName=*"Car"* enableCountByExample=*"false"* enableUpdateByExample=*"false"* enableDeleteByExample=*"false"* enableSelectByExample=*"false"* selectByExampleQueryId=*"false"*></table>

<table tableName=*"park"* domainObjectName=*"Park"* enableCountByExample=*"false"* enableUpdateByExample=*"false"* enableDeleteByExample=*"false"* enableSelectByExample=*"false"* selectByExampleQueryId=*"false"*></table>

<table tableName=*"parking"* domainObjectName=*"Parking"* enableCountByExample=*"false"* enableUpdateByExample=*"false"* enableDeleteByExample=*"false"* enableSelectByExample=*"false"* selectByExampleQueryId=*"false"*></table>

</context>

</generatorConfiguration>

**Mapper.xml文件中sql语句示例**

**<!-- parking表中数据分页查询 -->**

<select id=*"parkingList"* parameterType=*"com.jkl.model.Parking"* resultMap=*"BaseResultMap"*>

select top ${rows} \* from (select row\_number()

over(order by pid asc) as rownumber,\*

from parking )temp\_row

<where>

<if test=*"cid !=null and cid !=''"*>cid like '%${cid}%'</if>

<if test=*"pid !=null and pid !=''"*>and pid like '%${pid}%'</if>

and rownumber>${page}

</where>

**<!-- 按cid,pid模糊查询 -->**

</select>

<select id=*"parkingListCount"* parameterType=*"com.jkl.model.Parking"* resultType=*"java.lang.Integer"*>

select count(\*) from parking

<where>

<if test=*"cid !=null and cid !=''"*>cid like '%${cid}%'</if>

<if test=*"pid !=null and pid !=''"*>and pid like '%${pid}%'</if>

</where>

</select>

**前端JSP中代码**

登录界面

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<%@ include file="../../inc.jsp"%>

<html>

<head>

<script type="text/javascript">

function login() {

$("form").submit();

}

</script>

</head>

<body>

<div class="easyui-window"

data-options="title:'用户登录',modal:true,collapsible:false,

minimizable:false,maximizable:false,

closable:false,draggable:false,resizable:false,

iconCls:'icon-lock'"

style="width: 400px; padding: 20px 50px 20px 50px;">

<form action="${pageContext.request.contextPath}/user/login" method="post">

<div style="margin-bottom: 5px">

<input id="cname" type="text" name="username" data-options="iconCls:'icon-man',prompt:'账号'" class="easyui-textbox" style="width: 100%; height: 30px; padding: 12px">

</div>

<div style="margin-bottom: 5px">

<input id="cpwd" type="password" name="password" data-options="iconCls:'icon-lock',

prompt:'密码'" class="easyui-textbox" style="width: 100%; height: 30px;

padding: 12px">

</div>

<a class="easyui-linkbutton" style="padding: 5px 0px; width: 100%;" onclick="login()"> <span style="font-size: 14px;">登录</span>

</a>

</form>

</div>

</body>

</html>

//javascript方法：提交form表单

//登录界面窗口，使用easyui-window，form，easyui-textbox，text等实现

**主页面选项卡及菜单栏**

<div id="tabs" class="easyui-tabs" data-options="fit:true"></div>

<script type="text/javascript">

function menu(note,url) {

if (!$('#tabs').tabs('exists',note)) {

$('#tabs').tabs('add', {

title : note,

content : '<iframe src="${pageContext.request.contextPath}'+

url+'" width="100%" height="98%" style="border:0px ;"></iframe>',

closable : true

});

}else {

$('#tabs').tabs('select',note);

}

}

</script>

<ul id="tt" class="easyui-tree">

<li><span>首页</span>

<ul>

<li><span>系统管理</span>

<ul>

<li><span><a onclick="menu('场内车辆管理','/parking/parking')">场内车辆管理</a></span></li>

<li><span><a onclick="menu('停车场信息管理','/park/park')">停车场信息管理</a></span></li>

<li><span><a onclick="menu('车辆出入信息管理','/car/car')">车辆出入信息管理</a></span></li>

</ul>

</li>

</ul>

</li>

</ul>

//选项卡easyui-tabs

//菜单栏

//javascript方法：创建唯一选项卡及单击事件

//树形文件easyui-tree

**主页面操作页面**

**以场内车辆管理为例**

<script type="text/javascript">

var dg;

$(function() {

dg = $('#dg').datagrid({

url : '${pageContext.request.contextPath}/parking/parkingList',

pagination : false,

fit : true,

rownumbers : true,

pagination : true,

pageSize : 10,

pageList : [ 10, 15, 20 ],

striped : true,

idField : 'pid',

remoteSort : false,

columns : [ [ {

field : 'cid',

title : '车牌号',

width : 100,

}, {

field : 'pid',

title : '停车场号',

width : 100

} ] ]

});

});

function quary() {

dg.datagrid('load', {

cid : $("#cid").val(),

pid : $("#pid").val()

});

}

function add() {

var c=$("#cidin").val();

var p=$("#pidin").val();

$.ajax({

type: "POST",

dataType:"json",

//JavaScript中配置datagrid中各数据，实现分页查询

//quary方法，实现按条件查询

//add方法，实现数据插入

data:{"cidin":"zh005","pidin":"p01"},

url:'${pageContext.request.contextPath}/parking/add'

});

dg.datagrid('reload');

}

function del() {

var c=$("#cidout").val();

$.ajax({

type: "POST",

dataType:"json",

data:{"cidout":"zh005"},

url:'${pageContext.request.contextPath}/parking/del'

});

dg.datagrid('reload');

}

</script>

</head>

**界面中各输入框及按钮**

**Easyui 实现**

<body>

<div id="cc" class="easyui-layout" data-options="fit:true">

<div data-options="region: 'north',title: '检索',split:false,border:false,collapsible:false " style="height: 155px;">

<table style="margin-top: 10px;">

<tr>

<th style="width: 80px; text-align: right;">停车场号</th>

<td><input id="pid" class="easyui-textbox " style="width: 180px;"></td>

//del方法，实现数据删除

<th style="width: 60px; text-align: right;">车牌号</th>

<td><input id="cid" class="easyui-textbox " style="width: 180px;"></td>

<td style="width: 180px; margin-left: auto;"><a onclick="quary()" class="easyui-linkbutton " style="height: 22px;">查询</a>

</tr>

<tr>

<th style="width: 80px; text-align: right;">停车场号</th>

<td><input id="pidin" class="easyui-textbox " style="width: 180px;"></td>

<th style="width: 60px; text-align: right;">车牌号</th>

<td><input id="cidin" class="easyui-textbox " style="width: 180px;"></td>

<td style="width: 180px; margin-left: auto;"><a onclick="add()" class="easyui-linkbutton " style="height: 22px;">驶入</a>

</tr>

<tr>

<th style="width: 60px; text-align: right;">车牌号</th>

<td><input id="cidout" class="easyui-textbox " style="width: 180px;"></td>

<td style="width: 180px; margin-left: auto;"><a onclick="del()" class="easyui-linkbutton " style="height: 22px;">驶出</a>

</tr>

</table>

</div>

<div data-options="region: 'center',title: '场内车辆管理',split:false,border:false " style="padding: 5px; background: #eee;">

<table id="dg"></table>

</div>

</div>

</body>

</html>