**武汉大学计算机学院**

**本科生课程设计报告**

**影院售票排片服务系统（Web）**

专 业 名 称 ：计算机科学与技术

课 程 名 称 ：软件设计与体系结构

指 导 教 师 一：王建 副教授

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团 队 成 员 二：曾文瑄（2018300003063）

团 队 成 员 三：李嘉俊（2018302050164）

二○二○年十一月

1. 代码实现

* Default.aspx:

<%@ Page Language="C#" AutoEventWireup="true" Debug="true" CodeFile="Default.aspx.cs" Inherits="\_Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>登录页面</title>

</head>

<body>

<form id="form1" runat="server">

<center>

<div style="background-image: url('denglu.jpg'); height: 618px; width: 1100px;">

<br /><br /><br /><br /><br /><h1>欢迎使用本系统</h1><br /><br />

<table>

<tr>

<td>

用户名</td>

<td colspan="2">

<asp:TextBox ID="TextBox1" runat="server" ToolTip="请输入用户名"></asp:TextBox>

</td>

</tr>

<tr>

<td colspan="3" style="text-align: center">

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"

ControlToValidate="TextBox1" ErrorMessage="请输入用户名" ValidationGroup="1"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

密码</td>

<td colspan="2">

<asp:TextBox ID="TextBox2" runat="server" TextMode="Password" ToolTip="请输入密码"></asp:TextBox>

</td>

</tr>

<tr>

<td colspan="3" style="text-align: center">

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"

ControlToValidate="TextBox2" ErrorMessage="请输入密码" ValidationGroup="1"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td style="text-align: left">

<asp:Button ID="Button1" runat="server" Text="登录" BorderStyle="Ridge"

onclick="Button1\_Click" ToolTip="点击以登录" ValidationGroup="1" />

</td>

<td style="text-align: center">

<asp:Button ID="Button3" runat="server" Text="管理员" onclick="Button3\_Click" />

</td>

<td style="text-align: right">

<asp:Button ID="Button2" runat="server" Text="注册" BorderStyle="Ridge"

onclick="Button2\_Click" ToolTip="点击注册" />

</td>

</tr>

<tr>

<td colspan="3" style="text-align: center">

&nbsp;</td>

</tr>

</table>

</div></center>

</form>

</body>

</html>

* Default2.aspx:

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default2.aspx.cs" Inherits="Default2" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>用户注册</title>

</head>

<body>

<form id="form1" runat="server">

<center>

<div style="color: #000000; height: 734px; width: 1088px; background-color: #3366CC; margin-bottom: 43px;">

<br /><hr />

<h1 style="font-family: 黑体; color: #008000; font-size: xx-large">注册新会员在这里你可以注册信息成为新会员</h1><br />

<hr />

<a href="Default.aspx" style="font-size: large">点击返回登陆页面</a>

<h4 style="color: #000000; font-family: 宋体, Arial, Helvetica, sans-serif">\*为必填内容</h4>

<table>

<tr>

<td>

用户名</td>

<td colspan="2">

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

</td>

<td>

\*长度在10字节以内</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"

ControlToValidate="TextBox1" ErrorMessage="请输入用户名"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

密码</td>

<td colspan="2">

<asp:TextBox ID="TextBox7" runat="server" TextMode="Password"></asp:TextBox>

</td>

<td>

\*长度在15字节以内</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"

ControlToValidate="TextBox7" ErrorMessage="请输入密码"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

确认密码</td>

<td colspan="2">

<asp:TextBox ID="TextBox2" runat="server" TextMode="Password"></asp:TextBox>

</td>

<td>

\*长度在15字节以内</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:CompareValidator ID="CompareValidator1" runat="server"

ControlToCompare="TextBox2" ControlToValidate="TextBox7" ErrorMessage="两次输入不一致"></asp:CompareValidator>

</td>

</tr>

<tr>

<td>

昵称</td>

<td colspan="2">

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td>

性别</td>

<td colspan="3">

<asp:RadioButtonList ID="RadioButtonList1" runat="server" RepeatColumns="2">

<asp:ListItem>男</asp:ListItem>

<asp:ListItem>女</asp:ListItem>

</asp:RadioButtonList>

</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

年龄</td>

<td colspan="2">

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

生日</td>

<td colspan="3">

<asp:DropDownList ID="DropDownList1" runat="server"

onselectedindexchanged="DropDownList1\_SelectedIndexChanged">

</asp:DropDownList>

<asp:DropDownList ID="DropDownList2" runat="server">

</asp:DropDownList>

<asp:DropDownList ID="DropDownList3" runat="server">

</asp:DropDownList>

</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

电话</td>

<td colspan="2">

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

</td>

<td>

\*</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"

ErrorMessage="请输入电话以便联系" ControlToValidate="TextBox5"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

爱好</td>

<td colspan="2">

<asp:TextBox ID="TextBox8" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

E-mall</td>

<td colspan="2">

<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:Button ID="Button1" runat="server" Text="提交" onclick="Button1\_Click" />

</td>

</tr>

</table>

</div></center>

</form>

</body>

</html>

* Default3.aspx:

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default3.aspx.cs" Inherits="Default3" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>个人中心</title>

</head>

<body>

<form id="form1" runat="server">

<center>

<div style="color: #000000; height: 734px; width: 1088px; background-color: #3366CC; margin-bottom: 43px;">

<br /><hr />

<h1 style="font-family: 黑体; color: #008000; font-size: xx-large">以下是您的信息</h1><br />

<hr />

<h4 style="color: #000000; font-family: 宋体, Arial, Helvetica, sans-serif">\*为必填内容</h4>

<table>

<tr>

<td>

密码</td>

<td colspan="2">

<asp:TextBox ID="TextBox1" runat="server" TextMode="Password"></asp:TextBox>

</td>

<td>

\*长度在15字节以内</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"

ControlToValidate="TextBox1" ErrorMessage="请输入密码"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

确认密码</td>

<td colspan="2">

<asp:TextBox ID="TextBox2" runat="server" TextMode="Password"></asp:TextBox>

</td>

<td>

\*长度在15字节以内</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:CompareValidator ID="CompareValidator1" runat="server"

ControlToCompare="TextBox1" ControlToValidate="TextBox2"

ErrorMessage="两次输入不一致"></asp:CompareValidator>

</td>

</tr>

<tr>

<td>

昵称</td>

<td colspan="2">

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td>

性别</td>

<td colspan="3">

<asp:RadioButtonList ID="RadioButtonList1" runat="server" RepeatColumns="2">

<asp:ListItem>男</asp:ListItem>

<asp:ListItem>女</asp:ListItem>

</asp:RadioButtonList>

</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

年龄</td>

<td colspan="2">

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

生日</td>

<td colspan="3">

<asp:DropDownList ID="DropDownList1" runat="server"

onselectedindexchanged="DropDownList1\_SelectedIndexChanged">

</asp:DropDownList>

<asp:DropDownList ID="DropDownList2" runat="server">

</asp:DropDownList>

<asp:DropDownList ID="DropDownList3" runat="server">

</asp:DropDownList>

</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

电话</td>

<td colspan="2">

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

</td>

<td>

\*</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"

ErrorMessage="请输入电话以便联系" ControlToValidate="TextBox5"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

爱好</td>

<td colspan="2">

<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

E-mall</td>

<td colspan="2">

<asp:TextBox ID="TextBox7" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:Button ID="Button1" runat="server" Text="修改" onclick="Button1\_Click"

Width="99px" />

</td>

</tr>

</table>

</div></center>

</form>

</body>

</html>

* gshouye.aspx:

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="gshouye.aspx.cs" Inherits="gshouye" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>后台跟新</title>

</head>

<body>

<form id="form1" runat="server">

<center>

<div style="color: #000000; height: 734px; width: 1088px; background-color: #3366CC; margin-bottom: 43px;">

<br /><hr />

<h1 style="font-family: 黑体; color: #008000; font-size: xx-large">请管理员更新电影信息</h1><br />

<hr />

<asp:LinkButton ID="LinkButton1" runat="server" onclick="LinkButton1\_Click"><h4>点击返回</h4></asp:LinkButton>

<hr />

<table>

<tr>

<td>

名字</td>

<td colspan="2">

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

&nbsp;</td>

</tr>

<tr>

<td>

主演</td>

<td colspan="2">

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

&nbsp;</td>

</tr>

<tr>

<td>

导演</td>

<td colspan="2">

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td>

票数量</td>

<td>

<asp:TextBox ID="TextBox8" runat="server"></asp:TextBox>

</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

票价</td>

<td colspan="2">

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

观影时间</td>

<td colspan="3">

<asp:DropDownList ID="DropDownList1" runat="server">

</asp:DropDownList>

<asp:DropDownList ID="DropDownList2" runat="server">

</asp:DropDownList>

</td>

</tr>

<tr>

<td colspan="4">

&nbsp;</td>

</tr>

<tr>

<td>

电影编号</td>

<td colspan="2">

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

（注:电影编号不能重复）</td>

</tr>

<tr>

<td>

&nbsp;</td>

<td colspan="2">

&nbsp;</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4">

观影时间<asp:RadioButtonList ID="RadioButtonList1" runat="server"

RepeatColumns="3">

<asp:ListItem>上午</asp:ListItem>

<asp:ListItem>下午</asp:ListItem>

<asp:ListItem>晚上</asp:ListItem>

</asp:RadioButtonList>

</td>

</tr>

<tr>

<td>

&nbsp;</td>

<td colspan="2">

&nbsp;</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="4" style="text-align: center">

<asp:Button ID="Button1" runat="server" Text="添加" onclick="Button1\_Click"

Width="154px" />

</td>

</tr>

</table>

</div></center>

</form>

</body>

</html>

* Guanli.aspx:

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="guanli.aspx.cs" Inherits="guanli" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>管理员</title>

</head>

<body>

<form id="form1" runat="server">

<center>

<div style="background-image: url('guanli.jpg'); height: 618px; width: 1017px;">

<br /><br /><br /><br /><br /><h1>管理员系统</h1><br /><br />

<table>

<tr>

<td>

用户名</td>

<td>

<asp:TextBox ID="TextBox1" runat="server" ToolTip="请输入用户名"></asp:TextBox>

</td>

</tr>

<tr>

<td colspan="2" style="text-align: center">

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"

ControlToValidate="TextBox1" ErrorMessage="请输入用户名" ValidationGroup="1"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

密码</td>

<td>

<asp:TextBox ID="TextBox2" runat="server" TextMode="Password" ToolTip="请输入密码"></asp:TextBox>

</td>

</tr>

<tr>

<td colspan="2" style="text-align: center">

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"

ControlToValidate="TextBox2" ErrorMessage="请输入密码" ValidationGroup="1"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td style="text-align: center" colspan="2">

<asp:Button ID="Button2" runat="server" Text="返回用户登录" onclick="Button2\_Click" />

</td>

</tr>

<tr>

<td colspan="2" style="text-align: center">

<asp:Button ID="Button1" runat="server" Text="登录" onclick="Button1\_Click" />

</td>

</tr>

</table>

</div></center>

</form>

</body>

</html>

* Shouye.aspx:

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="shouye.aspx.cs" Inherits="shouye" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>影院在线售票</title>

<style type="text/css">

.style1

{

width: 1301px;

}

</style>

</head>

<body>

<form id="form1" runat="server">

<center>

<div style="background-image: url('sdsd.jpg'); height: 618px; width: 1283px; margin-right: 22px;">

<hr style="width: 1280px" />

<div style="background-image: none; height: 132px; width: 1280px;">

<table width="1280">

<tr>

<td colspan="8"

style="text-align: center; font-family: 楷体; font-size: 55px; color: #00FFFF;">

欢迎使用本系统</td>

</tr>

<tr>

<td colspan="8">

&nbsp;</td>

</tr>

<tr>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

<td>

&nbsp;</td>

</tr>

<tr>

<td colspan="2">

<asp:Label ID="Label1" runat="server" Font-Bold="True" ForeColor="#FF0066"></asp:Label>

&nbsp;&nbsp;

<asp:LinkButton ID="LinkButton4" runat="server" onclick="LinkButton4\_Click">退出登录</asp:LinkButton>

</td>

<td colspan="2">

<asp:LinkButton ID="LinkButton1" runat="server" Font-Bold="True"

ForeColor="#FF0066" onclick="LinkButton1\_Click">个人中心</asp:LinkButton>

</td>

<td colspan="2">

<asp:LinkButton ID="LinkButton2" runat="server" Font-Bold="True"

ForeColor="#FF0066" onclick="LinkButton2\_Click">购买记录</asp:LinkButton>

</td>

<td colspan="2">

<asp:LinkButton ID="LinkButton3" runat="server" Font-Bold="True"

ForeColor="#FF0066" onclick="LinkButton3\_Click">关于我们</asp:LinkButton>

</td>

</tr>

</table>

</div>

<hr style="width: 1280px" />

<table class="style1">

<tr>

<td style="color: #FF0066; font-family: 黑体">

请选择日期条件</td>

<td style="color: #FF0066; font-family: 黑体">

月：<asp:DropDownList ID="DropDownList1" runat="server">

</asp:DropDownList>

</td>

<td style="color: #FF0066; font-family: 黑体">

日：<asp:DropDownList ID="DropDownList2" runat="server">

</asp:DropDownList>

</td>

<td>

<asp:RadioButtonList ID="RadioButtonList1" runat="server" RepeatColumns="3"

Font-Bold="True" ForeColor="#FF0066">

<asp:ListItem>上午</asp:ListItem>

<asp:ListItem>下午</asp:ListItem>

<asp:ListItem>晚上</asp:ListItem>

</asp:RadioButtonList>

</td>

</tr>

</table>

<hr style="width: 1280px" />

<asp:Button ID="Button1" runat="server" Text="查询" BorderStyle="Double"

Width="262px" onclick="Button1\_Click" />

<hr style="width: 1280px" />

<asp:GridView ID="GridView1" runat="server" Height="355px" Width="1280px"

OnRowCommand ="GridView1\_RowCommand" Font-Bold="True"

Font-Size="Large"

style="margin-bottom: 0px">

<Columns>

<asp:ButtonField CommandName="Buy" HeaderText="点击以购买" ShowHeader="True"

Text="购买" />

</Columns>

</asp:GridView>

</div></center>

</form>

</body>

</html>

1. 设计思路分析

电影售票系统这一部分主要是创建在线网站以提供关于上映电影的实时信息，并允许用户来订购所需的电影票。该网站可以连接到数据库并从中获取或者存储数据，用户可以登陆该网站，并且可以为购票的用户分配一个唯一代码，用户在电影院通过唯一代码获取电影票。

本次实验我们小组要做的是ASP.NET的影院购票网站，开发工具是Visual Studio，语言是C#语言。首先要做的是初始界面，其中涉及有普通用户登陆，管理员登陆，用户注册，页面跳转和数据库连接的操作。我们小组首先使用Visual Studio中的SQL Server工具来制作数据库文件，用以存放用户的相关信息和影片信息。在设计完登陆界面后，我们进行了主界面的设计，用户可以根据网站上给出的影片信息来进行购票操作，而管理员则可以对网站给出的信息进行增添删改等操作。网页设计中通过div style设计网页的背景，并且通过设计按钮点击来实现页面的跳转。管理员登陆页面来修改电影信息，其中包括电影名称、主演、导演、票数、票价、观影时间和电影编号（电影编号不能重复）等。

1. ASP.NET

ASP.NET是一个Web开发平台，它提供了一个编程模型，一个全面的软件基础设施以及为PC和移动设备构建健壮的Web应用程序所需的各种服务。

ASP.NET在HTTP协议之上工作，并使用HTTP命令和策略来设置浏览器到服务器的双向通信和协作。

ASP.NET是Microsoft .Net平台的一部分。ASP.NET应用程序是编译代码，使用.Net框架中存在的可扩展和可重用组件或对象编写。这些代码可以在.Net框架中使用整个类的层次结构。

ASP.NET是通过互联网产生交互的，数据驱动的Web应用程序。它由大量的控件(如文本框，按钮和标签组成，配置和操作代码来创建HTML页面)组成。

1. 实验成果展示





