**LOGIN MODULE CODING**

The project is coded in ASP.NET with visual basic as backend programming language bootstrap is also used to make the website responsive.

LOGIN PAGE :-

**The front end of login page was coded using bootstrap and html** .

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

<head runat="server">

<title></title>

<meta charset="utf-8"/>

<meta name="viewport" content="width=device-width, initial-scale=1"/>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css"/>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>

<style>

body {

background-image: linear-gradient(to right, #ff8177 0%, #ff867a 0%, #ff8c7f 21%, #f99185 52%, #cf556c 78%, #b12a5b 100%);

font: 400 15px Lato, sans-serif;

line-height: 1.8;

color: #818181;

}

h2 {

font-size: 24px;

text-transform: uppercase;

color: #303030;

font-weight: 600;

margin-bottom: 30px;

}

h4 {

font-size: 19px;

line-height: 1.375em;

color: #303030;

font-weight: 400;

margin-bottom: 30px;

}

.jumbotron {

background-image: linear-gradient(to right, #ff8177 0%, #ff867a 0%, #ff8c7f 21%, #f99185 52%, #cf556c 78%, #b12a5b 100%);

color: #fff;

padding: 100px 25px;

font-family: Montserrat, sans-serif;

height: 600px;

}

.container-fluid {

padding: 60px 50px;

}

.bg-grey {

background-color: #f6f6f6;

}

.logo-small {

color: #f4511e;

font-size: 50px;

}

.logo {

color:#1e8cf4;

font-size: 200px;

}

.thumbnail {

padding: 0 0 15px 0;

border: none;

border-radius: 0;

}

.thumbnail img {

width: 100%;

height: 100%;

margin-bottom: 10px;

}

.carousel-control.right, .carousel-control.left {

background-image: none;

color: #1e8cf4;

}

.carousel-indicators li {

border-color:#1e8cf4;

}

.carousel-indicators li.active {

background-color: #1e8cf4;

}

.item h4 {

font-size: 19px;

line-height: 1.375em;

font-weight: 400;

font-style: italic;

margin: 70px 0;

}

.item span {

font-style: normal;

}

.panel {

border: 1px solid #f4511e;

border-radius:0 !important;

transition: box-shadow 0.5s;

}

.panel:hover {

box-shadow: 5px 0px 40px rgba(0,0,0, .2);

}

.panel-footer .btn:hover {

border: 1px solid #f4511e;

background-color: #fff !important;

color: #f4511e;

}

.panel-heading {

color: #fff !important;

background-color: #f4511e !important;

padding: 25px;

border-bottom: 1px solid transparent;

border-top-left-radius: 0px;

border-top-right-radius: 0px;

border-bottom-left-radius: 0px;

border-bottom-right-radius: 0px;

}

.panel-footer {

background-color: white !important;

}

.panel-footer h3 {

font-size: 32px;

}

.panel-footer h4 {

color: #aaa;

font-size: 14px;

}

.panel-footer .btn {

margin: 15px 0;

background-color: #f4511e;

color: #fff;

}

.navbar {

margin-bottom: 0;

background-color:black;

z-index: 9999;

border: 0;

font-size: 25px !important;

line-height: 2 !important;

letter-spacing: 4px;

border-radius: 0;

font-family: Montserrat, sans-serif;

}

.navbar li a, .navbar .navbar-brand {

color: #fff !important;

}

.navbar-nav li a:hover, .navbar-nav li.active a {

color: black !important;

background-color: #fff !important;

}

.navbar-default .navbar-toggle {

border-color: transparent;

color: #fff !important;

}

footer .glyphicon {

font-size: 20px;

margin-bottom: 20px;

color: #f4511e;

}

.slideanim {visibility:hidden;}

.slide {

animation-name: slide;

-webkit-animation-name: slide;

animation-duration: 1s;

-webkit-animation-duration: 1s;

visibility: visible;

}

@keyframes slide {

0% {

opacity: 0;

transform: translateY(70%);

}

100% {

opacity: 1;

transform: translateY(0%);

}

}

@-webkit-keyframes slide {

0% {

opacity: 0;

-webkit-transform: translateY(70%);

}

100% {

opacity: 1;

-webkit-transform: translateY(0%);

}

}

@media screen and (max-width: 768px) {

.col-sm-4 {

text-align: center;

margin: 25px 0;

}

.btn-lg {

width: 100%;

margin-bottom: 35px;

}

}

@media screen and (max-width: 480px) {

.logo {

font-size: 150px;

}

}

.button {

background-color:dimgray; /\* Green \*/

border: none;

color: white;

padding: 15px 32px;

text-align: center;

text-decoration: none;

display: inline-block;

font-size: 16px;

margin: 4px 2px;

cursor: pointer;

-webkit-transition-duration: 0.4s; /\* Safari \*/

transition-duration: 0.4s;

}

.button1 {

box-shadow: 0 8px 16px 0 rgba(0,0,0,0.2), 0 6px 20px 0 rgba(0,0,0,0.19);

}

.button2:hover {

box-shadow: 0 12px 16px 0 rgba(0,0,0,0.24),0 17px 50px 0 rgba(0,0,0,0.19);

}

</style>

</head>

<body id="myPage" data-spy="scroll" data-target=".navbar" data-offset="60">

<nav class="navbar navbar-default navbar-fixed-top">

<div class="container">

<div class="navbar-header">

<button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<a class="navbar-brand" href="#myPage"><img src="NewFolder1/unnamed.png" class=" rounded-circle img-responsive" style="height:30px ; width :40px;" /></a>

</div>

<div class="collapse navbar-collapse" id="myNavbar">

<ul class="nav navbar-nav navbar-right">

<li><a href="#about">ABOUT</a></li>

<li><a href="#services">LOGIN</a></li>

<li><a href="#portfolio">HISTORY</a></li>

<!--<li><a href="#pricing">PRODUCTION CYCLE</a></li>-->

<li><a href="#contact">CONTACT US</a></li>

</ul>

</div>

</div>

</nav>

<div class="jumbotron text-center" style="height:500px">

<h1>RAIL WHEEL PLANT BELA</h1>

<div id="myCarousel" class="carousel slide" data-ride="carousel" style=" height:100px">

<!-- Indicators -->

<ol class="carousel-indicators">

<li data-target="#myCarousel" data-slide-to="0" ></li>

<li data-target="#myCarousel" data-slide-to="1" class="active"></li>

<li data-target="#myCarousel" data-slide-to="2"></li>

</ol>

<!-- Wrapper for slides -->

<div class="carousel-inner">

<div class="item active">

<img class="img-responsive" src="NewFolder1/rwp2.jpg" alt="Los Angeles" style="width:100%; height:300px"/>

</div>

<div class="item">

<img class="img-responsive" src="NewFolder1/rwp1.jpg" alt="Chicago" style="width:100%; height:300px"/>

</div>

<div class="item">

<img class="img-responsive" src="NewFolder1/rwp3.jpg.png" alt="New york" style="width:100%; height:300px"/>

</div>

</div>

<!-- Left and right controls -->

<a class="left carousel-control" href="#myCarousel" data-slide="prev">

<span class="glyphicon glyphicon-chevron-left"></span>

<span class="sr-only">Previous</span>

</a>

<a class="right carousel-control" href="#myCarousel" data-slide="next">

<span class="glyphicon glyphicon-chevron-right"></span>

<span class="sr-only">Next</span>

</a>

</div>

</div>

<div id="about" class="container-fluid">

<div class="row">

<h2 class="text-center">About RWP , BELA</h2><br/>

<h4 class="text-center">Rail Wheel Plant (RWP) is situated at Bela, in Saran Distt. of Bihar (India). It is established to meet the growing requirement of wheel discs for the Indian Railways.</h4><br />

<p style="color:black;">RWP strives to build successful and lasting relationships with its customers by consistently exceeding their expectations. Customer focus and quality remain our watchwords. RWP Bela has been declared as Production Unit of Indian Railways w.e.f 1.8.2014.

All our products are subjected to stage and final inspection, starting from the chemical composition of the molten metal till the final inspection. This includes micro/macro properties of material, magnetic particle testing, Ultrasonic testing, Hardness, Warpage, dimensional parameters, surface finish etc.</p>

</div>

</div>

<div class="container-fluid bg-grey">

<div class="row">

<h2 class="text-center">Our Vision , Our Mission , Our Quality Policy</h2><br/>

<h4 class="text-center"><strong>VISION:</strong> <br />To become a global leader in the technology of manufacturing Cast Steel Wheels for use by indian Railways and become cost effective for imports sustitution </h4><br>

<strong class="text-center">MISSION:</strong>

<ul style="list-style-type:circle;">

<li>To emerge as a global player for design, development and manufacturing of our products through continuous improvementby upgrading our quality , reliability , dependability and value addition in a deliberate and proactive manner.</li>

<li>To perennially endeavour to sustain excellence in customer satisfaction by consistently exceeding their expectations</li>

<li>To develop our human capital by constant enhancement of their technical , managerial and innovative capabilities</li>

<li>To promote ethical business practices and values in the true spirit of corporate governance</li>

<li>To become a growth engine for development of region.</li>

</ul>

<strong class="text-center">QUALITY POLICY:</strong> <br />

<p>We, the employees of Rail Wheel Plant , will strive :</p>

<ul style="list-style-type:circle;">

<li>To achieve excellence in quality in the manufacturing of wheel discs</li>

<li>To satisfy our customers</li>

<li>To continually improve</li>

</ul>

</div>

</div>

<div id="services" class="container-fluid text-center">

<h3 class="text-center">INTEGRATED INFORMATION MANAGEMENT SYSTEM<br /><br /></h3>

<form id="f1" runat="server">

<div class="form-group " style="align-content:center ;">

<asp:Label class="form-inline" runat="server" visible="true" id="lblmessage"></asp:Label><br />

</div>

<div class="form-group " style="align-content:center ;">

<asp:Label class="form-inline" runat="server" ID="lblapplication" Text="APPLICATION"></asp:Label><br />

<asp:DropDownList CssClass="form-inline" runat="server" ID="ddapplication" style="width:200px; height:35px; border-radius:15px" DataSourceID="SqlDataSource1" DataTextField="application" DataValueField="application"></asp:DropDownList>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:misConnectionString %>" SelectCommand="select distinct application from menu\_your\_password\_new"></asp:SqlDataSource>

</div>

<div class="form-group" style="align-content:center ;">

<asp:Label class="form-inline" runat="server" ID="group" Text="GROUP"></asp:Label><br />

<asp:DropDownList CssClass="form-inline" runat="server" ID="ddgroup" style="width:200px; height:35px; border-radius:15px" DataSourceID="SqlDataSource2" DataTextField="group\_code" DataValueField="group\_code"></asp:DropDownList>

<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%$ ConnectionStrings:misConnectionString %>" SelectCommand="select distinct group\_code from menu\_your\_password\_new"></asp:SqlDataSource>

</div>

<div class="form-group " style="align-content:center ;">

<asp:Label class="form-inline" runat="server" ID="empcode" Text="EMPLOYEE CODE"></asp:Label><br />

<div class="input-group-prepend"><span class="glyphicon glyphicon-user"></span><br />

<asp:TextBox CssClass="form-inline" runat="server" ID="txtempcode" style="width:200px ; height:35px; border-radius:15px" ></asp:TextBox></div>

</div>

<div class="form-group " style="align-content:center ;">

<asp:Label class="form-inline" runat="server" ID="password" Text="PASSWORD"></asp:Label><br />

<div class="input-group-prepend"><span class="glyphicon glyphicon-lock"></span><br />

<asp:TextBox CssClass="form-inline" TextMode="Password" runat="server" ID="txtpassword" style="width:200px; height:35px; border-radius:15px"></asp:TextBox></div><br /> <br />

</div>

<div class="form-group " style="align-content:center ;">

<asp:Button CssClass="form-inline button button2" runat="server" ID="btnlogin" type="submit" style="width:200px ; border-radius:15px" Text="LOGIN"></asp:Button><br /><br />

<asp:Button CssClass="form-inline button button2" runat="server" type="submit" ID="btnclear" style="width:200px; border-radius:15px " Text="CLEAR"></asp:Button>

</div>

</form>

</div>

<div id="portfolio" class="container-fluid text-center bg-grey">

<h3 class="text-center">HISTORY</h3>

<p>

Rail Wheel Plant, Bela is a Production Unit of Indian Railways w.e.f 1.8.2014. It is situated at Bela in Dariyapur Block of Saran district in Bihar (India). Foundation stone of this Plant was laid in 2008 by the then Minister for Railways Shri Lalu Prasad Yadav. It is being built at an approx. cost of Rs. 1500 crores. It is spread over a land area of 295 acres. The project work is being looked after by Workshop Projects/Indian Railways, Patna. At present, the Project work is continuing and wheel discs are being produced on trial production. However production has started w.e.f 1.8.2014 though colony, track connectivity, implementation of ERP etc are still pending on account of Workshop Projects Organisation, Patna.

</p>

<strong>Construction

</strong>

<p>

The Rail Wheel Plant’s construction started in July 2008. This plant is a step to revive industrialisation in Northern Bihar .Indian Railways made history by awarding this project as EPC contract to M/s Larsen & Toubro Limited. It was for the first time in history of Indian Railways that a highly sophisticated factory was set up without any foreign collaboration. It was possible because of inhouse capability of Railway engineers and Expertise of World renowned Indian company.

It was a challenge for Railways to start civil works in such a difficult site which is surrounded by river bodies from two sides. To add to the complication, the elevation of Plant was lower than the river bed. Also the soil was so loose, Railways made use of stone columning for increasing the load-bearing capacity of soil.

</p>

</div>

<!-- <div id="pricing" class="container-fluid">

<div class="text-center">

<h2>RAIL WHEEL PRODUCTION CYCLE</h2>

<img class="img-responsive col-md-offset-1

" src="NewFolder1/download.png"/>

</div>

</div> -->

<div id="contact" class="container-fluid bg-grey">

<h2 class="text-center">CONTACT</h2><br />

<h2 >Rail Wheel Plant/Bela</h2><br />

<p> P.O.- Arvind Nagar <br /><br />

District - Saran, Bihar - 841221 <br /><br />

Phone: 06158-272120 Fax: 06158-272120

</p>

</div>

<div class="modal-footer text-capitalize text-center" style="background-image: linear-gradient(to right, #ff8177 0%, #ff867a 0%, #ff8c7f 21%, #f99185 52%, #cf556c 78%, #b12a5b 100%);color:black;"> MAINTAINED BY CRIS</div>

</body>

</html>

**The backend of the login page , where it authorizes userid and password of the users is as follows:-**

**The button click event was coded in the following way:-**

Protected Sub btnlogin\_Click(sender As Object, e As EventArgs) Handles btnlogin.Click

Dim App As String = ddapplication.SelectedItem.Value

Dim Grp As String = ddgroup.SelectedItem.Value

Dim Ecode As String = txtempcode.Text

Dim Pass As String = txtpassword.Text

Dim con As New SqlConnection("Data Source=RWFSERVER;Initial Catalog=mis;User ID=sa;Password=sa")

con.Open()

Dim cmd As New SqlCommand("SELECT COUNT(\*) FROM menu\_your\_password\_new where application=@App and group\_code=@Grp and employee\_code=@Ecode and password=@Pass ", con)

cmd.Parameters.AddWithValue("@App", App)

cmd.Parameters.AddWithValue("@Grp", Grp)

cmd.Parameters.AddWithValue("@Ecode", Ecode)

cmd.Parameters.AddWithValue("@Pass", Pass)

Dim i As Integer = Convert.ToInt32(cmd.ExecuteScalar())

cmd = Nothing

con.Close()

If i >= 1 Then

Session("Group") = Grp

Session("Ecode") = Ecode

Session("Apps") = App

Response.Redirect("wapframeset.aspx")

Else

lblmessage.Visible = True

lblmessage.Text = "invalid login"

End If

End Sub

**When we login successfully , the next page in the application is wapframeset.aspx**

This page contain the code for the dynamic menu that comes from database , according to the groupcode of the user because different groupcodes are given different rights.

Group code , employee code and application are passed through session.

Public Sub get\_menu()

Dim grp As String = Session("Group")

Dim ecode As Integer = Session("Ecode")

Dim app As String = Session("Apps")

Dim table As DataTable = New DataTable()

Dim conn As SqlConnection = New SqlConnection("Data Source=RWFSERVER;Initial Catalog=mis;User ID=sa;Password=sa")

conn.Open()

Dim cmdd As SqlCommand = New SqlCommand("select m.menu\_id, m.menu\_name, m.menu\_parent, m.menu\_url from menu\_master m full outer join permission\_menu p on m.menu\_id = p.menu

where p.permission IN (select permission from role\_permission where role\_id in(select role\_id from menu\_your\_password\_new

where group\_code=@grp and application=@app and employee\_code=@ecode)) or m.menu\_parent in( select m.menu\_id from menu\_master m full outer join permission\_menu p on m.menu\_id = p.menu

where p.permission in (select permission from role\_permission where role\_id in(select role\_id from menu\_your\_password\_new

where group\_code=@grp and application=@app and employee\_code=@ecode))or m.menu\_parent in( select m.menu\_id

from menu\_master m full outer join permission\_menu p on m.menu\_id = p.menu

where p.permission in (select permission from role\_permission where role\_id in(select role\_id from menu\_your\_password\_new

where group\_code=@grp and application=@app and employee\_code=@ecode)))or m.menu\_parent in( select m.menu\_id

from menu\_master m full outer join permission\_menu p on m.menu\_id = p.menu

where p.permission in (select permission from role\_permission where role\_id in(select role\_id from menu\_your\_password\_new

where group\_code=@grp and application=@app and employee\_code=@ecode))))", conn)

cmdd.Parameters.AddWithValue("@grp", grp)

cmdd.Parameters.AddWithValue("@ecode", ecode)

cmdd.Parameters.AddWithValue("@app", app)

Dim da As SqlDataAdapter = New SqlDataAdapter(cmdd)

da.Fill(table)

Dim view As DataView = New DataView(table)

view.RowFilter = "menu\_parent is NULL"

For Each row As DataRowView In view

Dim menuItem As MenuItem = New MenuItem(row("menu\_name").ToString(), row("menu\_id").ToString())

menuItem.NavigateUrl = row("menu\_url").ToString()

menuBar.Items.Add(menuItem)

AddChildItems(table, menuItem)

Next

End Sub

Private Sub AddChildItems(ByVal table As DataTable, ByVal menuItem As MenuItem)

Dim viewItem As DataView = New DataView(table)

viewItem.RowFilter = "menu\_parent = " & menuItem.Value

For Each childView As DataRowView In viewItem

Dim childItem As MenuItem = New MenuItem(childView("menu\_name").ToString(), childView("menu\_id").ToString())

childItem.NavigateUrl = childView("menu\_url").ToString()

menuItem.ChildItems.Add(childItem)

AddChildItems(table, childItem)

Next

End Sub

The function getmenu() retrieves all the parent menu associated with group code .

The function addchilditems() retrieves the values child menu items recursively.

The function get\_logintime() updates the login time of user.

The function get\_logouttime() updates the logout time of user.

Public Sub get\_logintime()

Dim grp As String = Session("Group")

Dim ecode As Integer = Session("Ecode")

Dim app As String = Session("Apps")

Dim lt As DateTime = Convert.ToDateTime(Date.Now())

Dim con As New SqlConnection("Data Source=RWFSERVER;Initial Catalog=mis;User ID=sa;Password=sa")

con.Open()

Dim cmd As New SqlCommand("Update menu\_your\_password\_new set last\_login\_time=@lt where group\_code=@grp and employee\_code=@ecode and application=@app ", con)

cmd.Parameters.AddWithValue("@grp", grp)

cmd.Parameters.AddWithValue("@ecode", ecode)

cmd.Parameters.AddWithValue("@app", app)

cmd.Parameters.AddWithValue("@lt", lt)

cmd.ExecuteNonQuery()

End Sub

Public Sub get\_logouttime()

Dim grp As String = Session("Group")

Dim ecode As Integer = Session("Ecode")

Dim app As String = Session("Apps")

Dim lt As DateTime = Convert.ToDateTime(Date.Now())

Dim con As New SqlConnection("Data Source=RWFSERVER;Initial Catalog=mis;User ID=sa;Password=sa")

con.Open()

Dim cmd As New SqlCommand("Update menu\_your\_password\_new set last\_logout\_time=@lt where group\_code=@grp and employee\_code=@ecode and application=@app ", con)

cmd.Parameters.AddWithValue("@grp", grp)

cmd.Parameters.AddWithValue("@ecode", ecode)

cmd.Parameters.AddWithValue("@app", app)

cmd.Parameters.AddWithValue("@lt", lt)

cmd.ExecuteNonQuery()

'Session.Abandon()

'Session.Clear()

End Sub

All the other forms associated to different modules contain function for the insertion of data into the corresponding table.

A sample function of the save button is as follows:-

Private Sub btnSave\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSave.Click

lblMessage.Text = ""

If txtMould.Text.Trim.Length = 0 Then Exit Sub

Dim done As Boolean

Try

done = New MouldMaster.MRSMRS().UpdateNewMouldNumber(ddlMould.SelectedItem.Text, txtMould.Text.Trim, CDate(txtDate.Text))

Catch exp As Exception

lblMessage.Text = exp.Message

End Try

If done Then

Try

GetMouldDetails()

Catch exp As Exception

lblMessage.Text = exp.Message

End Try

lblMessage.Text &= " Updation OK !"

Else

lblMessage.Text &= " Updation Failed !"

End If

done = Nothing

End Sub

Here in this line “ done = New MouldMaster.MRSMRS().UpdateNewMouldNumber(ddlMould.SelectedItem.Text, txtMould.Text.Trim, CDate(txtDate.Text))”

MRSMRS is a class and UpdateNewMouldNumber() is a method defined in this Class in which we have to pass three parameters and which is written as follows:-

Public Function UpdateNewMouldNumber(ByVal OldNo As String, ByVal NewNo As String, ByVal NewDate As Date) As Boolean

Dim oCmd As SqlClient.SqlCommand = rwfGen.Connection.CmdObj

Dim Done As Boolean

Try

oCmd.Parameters.Add("@cnt", SqlDbType.Int, 4).Direction = ParameterDirection.Output

oCmd.Parameters.Add("@NewNo", SqlDbType.VarChar, 50).Value = NewNo

oCmd.Parameters.Add("@MouldNo", SqlDbType.VarChar, 50).Value = OldNo

oCmd.Parameters.Add("@NewDate", SqlDbType.SmallDateTime, 4).Value = NewDate

If oCmd.Connection.State = ConnectionState.Closed Then oCmd.Connection.Open()

oCmd.Transaction = oCmd.Connection.BeginTransaction

If MRSMRS.CheckMldNumber(OldNo) Then

oCmd.CommandText = " update mm\_mould\_master set ConvertedNumber = @NewNo , " & \_

" ConvertedDate = @NewDate where mould\_number = @MouldNo "

Else

Throw New Exception("InValid Mould Number !")

End If

If oCmd.ExecuteNonQuery = 1 Then Done = True

Catch exp As Exception

Throw New Exception(exp.Message)

Finally

If Not IsNothing(oCmd) Then

If Done Then

oCmd.Transaction.Commit()

Else

oCmd.Transaction.Rollback()

End If

If oCmd.Connection.State = ConnectionState.Open Then oCmd.Connection.Close()

oCmd.Dispose()

oCmd = Nothing

End If

End Try

Return Done

End Function

All the forms contain function to save the data and retrieval of data into grid.