

```

1  <%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
    AutoEventWireup="true" CodeFile="Betting.aspx.cs" Inherits="Betting" %>
2
3  <asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
4      <link rel="stylesheet" href="style/stad.css">
5      <style>
6          img{
7              height:50px;
8              width:50px;
9          }
10     </style>
11 </asp:Content>
12 <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
    Runat="Server">
13     <form Runat="server" >
14         <div class="wcent">
15             <div class="wrapperr">
16                 <div class="games">
17                     <%=error %>
18                     <asp:PlaceHolder ID="mfix" runat="server"><asp:Button ID="myBetsbtn"
    runat="server" Text="My Bets" class="btn btn-primary"
    OnClick="myBets_Click" /></asp:PlaceHolder>
19                     <asp:PlaceHolder ID="bfix" runat="server"></asp:PlaceHolder>
20                 </div>
21
22                 <div class="bets">
23                     <asp:PlaceHolder ID="bets" runat="server">
24                         <asp:Label ID="gameid" runat="server" Text="Label"></asp:Label>
25                         <div class="row justify-content-md-center" >
26                             <div class="col-1">
27                                 <div class="form-group row">
28                                     <asp:label runat="server" for="example-number-input"
    id="hteamname" class="form-label">Number</asp:label>
29                                     <asp:TextBox ID="hteamscore" runat="server" type="number"
    value="0" class="form-control"></asp:TextBox>
30                                 </div>
31                             </div>
32                             <div class="col-1">
33                                 <div class="form-group row">
34                                     <asp:label runat="server" for="example-number-input"
    id="ateamname" class="form-label">Number</asp:label>
35                                     <asp:TextBox ID="ateamscore" runat="server" type="number"
    value="0" class="form-control"></asp:TextBox>
36                                 </div>
37                             </div>
38                         </div>
39                         <div class="row justify-content-md-center">
40                             <div class="col-1">
41                                 <asp:DropDownList ID="playersdl" runat="server" class="form-
    control"></asp:DropDownList>
42                             </div>
43                         </div>

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```
44         <div class="row justify-content-md-center">
45             <asp:Button ID="subbtn" runat="server" Text="Submit"
46                 OnClick="subbtn_Click" />
47         </div>
48     </asp:Placeholder>
49 </div>
50 </div>
51 </form>
52 </asp:Content>
53
54
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Diagnostics;
4 using System.Linq;
5 using System.Web;
6 using System.Web.UI;
7 using System.Web.UI.HtmlControls;
8 using System.Web.UI.WebControls;
9 using DAL;
10 using DAL.apiClases;
11
12 public partial class Betting : System.Web.UI.Page
13 {
14     public string fixtures;
15     List<Root> fixs;
16     List<Bet> lb;
17     Dictionary<int, string> clubs;
18     public string currgameId;
19     public string error;
20     protected void Page_Load(object sender, EventArgs e)
21     {
22         //only people logged in can use this page
23         if (Session["username"] == null)
24         {
25             Response.Redirect("~/initPage.aspx");
26         }
27
28         addFixtures();
29         bets.Visible = false;
30         gameid.Visible = false;
31         //important to remove later!!!!!!!!!!!!!!!!!!!!!!
32         //Session["username"] = "ort";
33         if (ViewState["State"] != null && ViewState["State"].ToString() == "2")
34         {
35             state2();
36         }
37     }
38     public void addFixtures()
39     {
40         int x = 1;
41         fixs = APICall.GetCall();
42         List<Root> lr = APICall.sortbyNextGameWeek(fixs,
43             APICall.getCurrentGameweek(0));
44         clubs = FPLFunctions.getdicOfClubs();
45         foreach (Root fixture in lr)
46         {
47             //fixtures += GlobalFunctions.CreateGame(fixture, clubs);
48             CreateGame(fixture, clubs);
49             Debug.WriteLine("added game: " + x.ToString());
50             x += 1;
51         }
52     }
53 }
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52     public void CreateGame(Root game, Dictionary<int, string> clubs)
53     {
54         //creating vairables
55         string homeT = clubs[game.team_h];
56         string awayT = clubs[game.team_a];
57
58         DateTime time = game.kickoff_time ?? DateTime.Now.AddYears(-19999999);
59
60         int? homeS = 0;
61         if (game.team_h_score != null)
62             homeS = game.team_h_score;
63         int? awayS = 0;
64         if (game.team_a_score != null)
65             awayS = game.team_a_score;
66
67         //create fixture
68         HtmlGenericControl gameWrap = new HtmlGenericControl("DIV");
69         gameWrap.Attributes.Add("class", "row");
70         mfix.Controls.Add(gameWrap);
71
72         HtmlGenericControl homeTClass = new HtmlGenericControl("DIV");
73         homeTClass.Attributes.Add("class", "col - sm");
74         homeTClass.InnerHtml = "<img src='images/badges/' + homeT + ".png'>"; ;
75         gameWrap.Controls.Add(homeTClass);
76
77
78         HtmlGenericControl score = new HtmlGenericControl("DIV");
79         score.Attributes.Add("class", "col - sm");
80         gameWrap.Controls.Add(score);
81         HtmlGenericControl scoreInRow = new HtmlGenericControl("DIV");
82         scoreInRow.Attributes.Add("class", "row");
83         score.Controls.Add(scoreInRow);
84         HtmlGenericControl homeTName = new HtmlGenericControl("DIV");
85         homeTName.Attributes.Add("class", "col - sm");
86         homeTName.InnerHtml = "<p>" + homeT + "</p>";
87         scoreInRow.Controls.Add(homeTName);
88         HtmlGenericControl sOrT = new HtmlGenericControl("DIV");
89         sOrT.Attributes.Add("class", "col - sm");
90         if (game.started == true /*chage to false at end of season to check*/)
91         {
92             sOrT.InnerHtml = "<p> (" + homeS + " - " + awayS + ") </p>";
93         }
94         else
95         {
96             sOrT.InnerHtml = "<p> " + time.ToString("dddd, dd MMMM h:mm tt") + " ➡
97                 </p>";
98             Button b = new Button();
99             b.Text = "bet";
100             b.ID = game.id.ToString();
101             b.Click += new EventHandler(bet_Click);
102             b.CssClass = "btn btn-primary";
103             sOrT.Controls.Add(b);

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103     }
104     scoreInRow.Controls.Add(sOrT);
105     HtmlGenericControl awayTName = new HtmlGenericControl("DIV");
106     awayTName.Attributes.Add("class", "col - sm");
107     awayTName.InnerHtml = "<p>" + awayT + "</p>";
108     scoreInRow.Controls.Add(awayTName);
109
110     HtmlGenericControl awayTClass = new HtmlGenericControl("DIV");
111     awayTClass.Attributes.Add("class", "col - sm");
112     awayTClass.InnerHtml = "<img src='images/badges/' + awayT + ".png'>"; ;
113     gameWrap.Controls.Add(awayTClass);
114 }
115 public void addclub(string club)
116 {
117     foreach (string playerName in CardFunctions.getByClubNames(club))
118     {
119         playersdl.Items.Add(playerName);
120     }
121 }
122 protected void bet_Click(object sender, EventArgs e)
123 {
124
125     if (BettingFunctions.didBet(Session["username"].ToString(),
126         Convert.ToInt32(((Button)sender).ID))
127     {
128         error = "already bet on this game";
129     }
130     else
131     {
132         bets.Visible = true;
133         mfix.Visible = false;
134         Root fixture = getgamebyId(((Button)sender).ID);
135         hteamname.Text = clubs[fixture.team_h];
136         ateamname.Text = clubs[fixture.team_a];
137         gameid.Text = ((Button)sender).ID;
138
139         addclub(clubs[fixture.team_h]);
140         addclub(clubs[fixture.team_a]);
141         Debug.WriteLine(((Button)sender).ID);
142     }
143 }
144 protected void subbtn_Click(object sender, EventArgs e)
145 {
146     bets.Visible = false;
147     mfix.Visible = true;
148
149     string score = hteamscore.Text + " - " + ateamscore.Text;
150     string winner = "";
151     if (Convert.ToInt32(hteamscore.Text) > Convert.ToInt32(ateamscore.Text))
152     {
153         winner = hteamname.Text;

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154     }
155     else if (Convert.ToInt32(hteamscore.Text) < Convert.ToInt32
156             (ateamscore.Text))
157     {
158         winner = ateamname.Text;
159     }
160     else
161     {
162         winner = "draw";
163     }
164     BettingFunctions.AddBet(Session["username"].ToString(), Convert.ToInt32
165                             (gameid.Text), winner, score, playersdl.Selected.Value.ToString());
166
167     playersdl.Items.Clear();
168     hteamscore.Text = 0.ToString();
169     ateamscore.Text = 0.ToString();
170 }
171 public Root getgamebyId(string id)
172 {
173     foreach (Root fixture in fixs)
174     {
175         if (fixture.id.ToString() == id)
176         {
177             return fixture;
178         }
179     }
180     return new Root();
181 }
182 public void CreateBet(Bet lb, Root game)
183 {
184     //creating vairables
185     string homeT = clubs[game.team_h];
186     string awayT = clubs[game.team_a];
187
188     DateTime time = game.kickoff_time ?? DateTime.Now.AddYears(-19999999);
189
190     int? homeS = 0;
191     if (game.team_h_score != null)
192     {
193         homeS = game.team_h_score;
194     }
195     int? awayS = 0;
196     if (game.team_a_score != null)
197     {
198         awayS = game.team_a_score;
199     }
200
201     //create fixture
202     HtmlGenericControl gameWrap = new HtmlGenericControl("DIV");
203     gameWrap.Attributes.Add("class", "row");
204     bfix.Controls.Add(gameWrap);
205
206     HtmlGenericControl homeTClass = new HtmlGenericControl("DIV");
207     homeTClass.Attributes.Add("class", "col - sm");
208     homeTClass.InnerHtml = "<img src='images/badges/' + homeT + ".png'>";
```

```
204     gamewrap.Controls.Add(homeTClass);
205
206
207     HtmlGenericControl score = new HtmlGenericControl("DIV");
208     score.Attributes.Add("class", "col - sm");
209     gamewrap.Controls.Add(score);
210     HtmlGenericControl scoreInRow = new HtmlGenericControl("DIV");
211     scoreInRow.Attributes.Add("class", "row");
212     score.Controls.Add(scoreInRow);
213     HtmlGenericControl homeTName = new HtmlGenericControl("DIV");
214     homeTName.Attributes.Add("class", "col - sm");
215     homeTName.InnerHtml = "<p>" + homeT + "</p>";
216     scoreInRow.Controls.Add(homeTName);
217     HtmlGenericControl sOrT = new HtmlGenericControl("DIV");
218     sOrT.Attributes.Add("class", "col - sm");
219     if (game.finished)
220     {
221         sOrT.InnerHtml = "<p> Full Time </p>";
222
223         bool isrlscore = false;
224         string rlscore = homeS + " - " + awayS;
225         if (rlscore == lb.score)
226         {
227             sOrT.InnerHtml += "<p style='color: green;'>Fulltime score: [" +
228                 rlscore + "]" </p>";
229             isrlscore = true;
230         }
231         else
232             sOrT.InnerHtml += "<p style='color: red;'>Fulltime score: [" +
233                 rlscore + "]" </p>";
234
235         Button b = new Button();
236         b.Attributes.Add("winside", "0");
237
238         bool iswteam = false;
239         string winningTeam = "";
240         if (game.team_h_score > game.team_a_score)
241             winningTeam = clubs[game.team_h];
242         else if (game.team_a_score > game.team_h_score)
243         {
244             winningTeam = clubs[game.team_a];
245             b.Attributes["winside"] = "2";
246         }
247         else
248         {
249             winningTeam = "draw";
250             b.Attributes["winside"] = "1";
251         }
252         if (winningTeam == lb.winner)
253         {
254             sOrT.InnerHtml += "<p style='color: green;'>Winning team: [" +
255                 lb.winner + "]" </p>";
```

```

253         iswteam = true;
254     }
255     else
256         sOrT.InnerHtml += "<p style='color: red;'>Winning team: [" + lb.winner + "] </p>";
257
258
259     bool isscorer = false;
260     foreach (Stat stt in game.stats)
261     {
262         if (stt.identifier == "goals_scored")
263         {
264             string c1 = "";
265             string c2 = "";
266             try { c1 = CardFunctions.getByCardId(stt.a [0].element).name; } catch { }
267             try { c2 = CardFunctions.getByCardId(stt.h [0].element).name; } catch { }
268
269             if (c1 == lb.scorer || c2 == lb.scorer)
270             {
271                 sOrT.InnerHtml += "<p style='color: green;'>First scorer: [" + lb.scorer + "] </p>";
272                 isscorer = true;
273             }
274             else
275                 sOrT.InnerHtml += "<p style='color: red;'>First scorer: [" + lb.scorer + "] </p>";
276             break;
277         }
278     }
279
280     b.Text = "Claim Rewards";
281     b.Attributes.Add("myid", game.id.ToString());
282     b.Attributes.Add("winner", "h");
283     b.Attributes.Add("gold", "0");
284     b.Attributes.Add("diamond", "0");
285     b.Attributes.Add("silver", "0");
286     b.CssClass = "btn btn-primary";
287     sOrT.Controls.Add(b);
288     b.Click += new EventHandler(Claim_Click);
289     if (lb.didClaim)
290         b.Enabled = false;
291     //if (isrlscore)
292     //    b.Attributes["silver"] = "1";
293     //if (isscorer)
294     //    b.Attributes["gold"] = "1";
295     if (iswteam)
296         b.Attributes["winner"] = "t";
297     else
298         b.Attributes["winner"] = "f";
299 }

```



```

300     else
301     {
302         sOrT.InnerHtml = "<p> Your bet </p>";
303         sOrT.InnerHtml += "<p>Fulltime score: [" + lb.score + "] </p>";
304         sOrT.InnerHtml += "<p>Winning team: [" + lb.winner + "] </p>";
305         sOrT.InnerHtml += "<p>First scorer: [" + lb.scorer + "] </p>";
306
307     }
308     scoreInRow.Controls.Add(sOrT);
309     HtmlGenericControl awayTName = new HtmlGenericControl("DIV");
310     awayTName.Attributes.Add("class", "col - sm");
311     awayTName.InnerHtml = "<p>" + awayT + "</p>";
312     scoreInRow.Controls.Add(awayTName);
313
314     HtmlGenericControl awayTClass = new HtmlGenericControl("DIV");
315     awayTClass.Attributes.Add("class", "col - sm");
316     awayTClass.InnerHtml = "<img src='images/badges/' + awayT + ".png'>"; ;
317     gameWrap.Controls.Add(awayTClass);
318 }
319 protected void Claim_Click(object sender, EventArgs e)
320 {
321     Debug.WriteLine("in");
322     Button b = (Button)sender;
323     if (b.Attributes["gold"] == "1")
324         PackFunctions.addPack(Session["username"].ToString(), 1);
325     if (b.Attributes["diamond"] == "1")
326         PackFunctions.addPack(Session["username"].ToString(), 2);
327     if (b.Attributes["silver"] == "1")
328         PackFunctions.addPack(Session["username"].ToString(), 3);
329     int mID = Convert.ToInt32(((Button)sender).Attributes["myid"]);
330     if (b.Attributes["winner"] == "t")
331     {
332         double initialsScore = (GameFunctions.getPrecentbyMatchID
333             (mID, Convert.ToInt32(b.Attributes["winside"]))) * 4) / 100f;
334         Debug.WriteLine(GameFunctions.getPrecentbyMatchID(mID,
335             Convert.ToInt32(b.Attributes["winside"])));
336         int rounded = (int)Math.Round(initialsScore);
337         PackFunctions.addPack(Session["username"].ToString(), rounded);
338     }
339     else
340     {
341         double initialsScore = ((100 - GameFunctions.getPrecentbyMatchID(mID,
342             Convert.ToInt32(b.Attributes["winside"]))) * 4) / 100f;
343         int rounded = (int)Math.Round(initialsScore);
344         PackFunctions.addPack(Session["username"].ToString(), rounded);
345     }
346
347     BettingFunctions.claimed(Session["username"].ToString(), mID);
348     ((Button)sender).Enabled = false;
349     //Response.Redirect(Request.RawUrl, false);
350 }

```

```
349     public Root GameByGameID(string gameID)
350     {
351         foreach (Root e in fixs)
352         {
353             if ((e.id).ToString() == gameID)
354             {
355                 return e;
356             }
357         }
358         return new Root();
359     }
360     protected void myBets_Click(object sender, EventArgs e)
361     {
362         ViewState["State"] = "2";
363         state2();
364     }
365
366     void state2()
367     {
368         mfix.Visible = false;
369         bfix.Visible = true;
370
371         lb = BettingFunctions.getAllBets(Session["username"].ToString());
372         foreach (Bet b in lb)
373         {
374             CreateBet(b, GameByGameID(b.gameId));
375         }
376     }
377 }
378
```

```
1  <%@ Page Title="" Language="C#" AutoEventWireup="true" CodeFile="Register.aspx.cs"
    Inherits="Register" %>
2
3  <head>
4      <script src="scripts/register.js"></script>
5      <link rel="stylesheet" href="style/login.css">
6  </head>
7  <body>
8      <form class="form1" action="register.aspx" method="POST" runat="Server"
        onsubmit="return validate()"
9          <div class="inp_username">
10             <input type="text" id="username" placeholder="username"
                name="username" required/>
11         </div>
12         <div class="inp_pass">
13             <input type="password" placeholder="password" name="pass" id="pass"
                required>
14         </div>
15         <div class="inp_repass">
16             <input type="password" placeholder="re-enter password" name="repass"
                id="repass" required>
17         </div>
18         <div class="inp_sub">
19             <input class="sub" type="submit" value="submit">
20         </div>
21         <div class="inp_error">
22             <% =error%>
23         </div>
24         <div class="reg">
25             <p>Already have an account?</p><a href="Login.aspx">Login</a>
26         </div>
27
28     </form>
29 </body>
30
31
```

```
1 using DAL;
2 using System;
3 using System.Collections.Generic;
4 using System.Linq;
5 using System.Web;
6 using System.Web.UI;
7 using System.Web.UI.WebControls;
8
9 public partial class Register : System.Web.UI.Page
10 {
11     public string error;
12     protected void Page_Load(object sender, EventArgs e)
13     {
14         if (IsPostBack)
15         {
16             string username = Request.Form["username"];
17             string password = Request.Form["pass"];
18             if (!userFunction.isUsername(username))
19             {
20                 userFunction.AddUser(username, password);
21                 cardfornew(username);
22                 Response.Redirect("~/Login.aspx");
23             }
24             else
25             {
26                 error = "Username already taken";
27             }
28         }
29     }
30     // the function creates card for new user
31     private void cardfornew(string username)
32     {
33         Card player;
34         Random rnd = new Random();
35         int num = rnd.Next(1,100);
36         if (num <= 90)
37             player = CardFunctions.getByRating(0, 80);
38         else
39             player = CardFunctions.getByRating(80, 85);
40         cardInv.Addplayer(username, player.id);
41     }
42 }
```

```

1  <%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
    AutoEventWireup="true" CodeFile="profile.aspx.cs" Inherits="profile" %>
2
3  <asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
4      <link rel="stylesheet" href="style/stad.css" />
5  </asp:Content>
6  <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
    Runat="Server">
7      <script type="text/javascript" language="javascript">
8          function Confirmation()
9          {
10             if (confirm("Are you sure, you want to delete selected records ?")==true)
11                 return true;
12             else
13                 return false;
14             }
15             function RefreshPage() {
16                 window.location.reload()
17             }
18         </script>
19         <form runat="server" onsubmit="RefreshPage()">
20             <div class="wcent">
21                 <div class="wrapperr">
22                     <div class="containor">
23                         <div class="row">
24                             <h1><%=username %></h1>
25
26                             <p>change your username</p>
27                             <asp:TextBox ID="pswdtxt" runat="server"></
28                             <asp:Button ID="pswdsub" runat="server" Text="Button"
29                             AutoCompleteType="Disabled" onclick="pswdsub_Click"/>
30
31                             <p>delete user warning this is permenenat</p>
32                             <asp:Button ID="delbtn" runat="server" Text="Button"
33                             OnClientClick="return Confirmation();" onclick="delbtn_Click"/>
34
35                             </div>
36                             <div id="admin" runat="server" visible="false"
37                             class="row">
38                                 <%=allUsers %>
39                                 <input type="submit" id="del" name="submitter"
40                                 value="delete">
41                                 <input type="submit" id="adm" name="submitter"
42                                 value="admin">
43                             </div>
44                         </div>
45                     </div>
46                 </div>
47             </div>
48         </form>
49     </asp:Content>

```

```

1  <%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
    AutoEventWireup="true" CodeFile="profile.aspx.cs" Inherits="profile" %>
2
3  <asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
4      <link rel="stylesheet" href="style/stad.css" />
5  </asp:Content>
6  <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
    Runat="Server">
7      <script type="text/javascript" language="javascript">
8          function Confirmation()
9          {
10             if (confirm("Are you sure, you want to delete selected records ?")==true)
11                 return true;
12             else
13                 return false;
14             }
15             function RefreshPage() {
16                 window.location.reload()
17             }
18         </script>
19         <form runat="server" onsubmit="RefreshPage()">
20             <div class="wcent">
21                 <div class="wrapperr">
22                     <div class="containor">
23                         <div class="row">
24                             <h1><%=username %></h1>
25
26                             <p>change your username</p>
27                             <asp:TextBox ID="pswdtxt" runat="server"></
28                             <asp:Button ID="pswdsub" runat="server" Text="Button"
29                             AutoCompleteType="Disabled" onclick="pswdsub_Click"/>
30
31                             <p>delete user warning this is permenenat</p>
32                             <asp:Button ID="delbtn" runat="server" Text="Button"
33                             OnClientClick="return Confirmation();" onclick="delbtn_Click"/>
34
35                             </div>
36                             <div id="admin" runat="server" visible="false"
37                             class="row">
38                                 <%=allUsers %>
39                                 <input type="submit" id="del" name="submitter"
40                                 value="delete">
41                                 <input type="submit" id="adm" name="submitter"
42                                 value="admin">
43                             </div>
44                         </div>
45                     </div>
46                 </div>
47             </div>
48         </form>
49     </asp:Content>

```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.UI;
6 using System.Web.UI.WebControls;
7 using DAL;
8
9 public partial class profile : System.Web.UI.Page
10 {
11     public string username;
12     public string allUsers;
13     protected void Page_Load(object sender, EventArgs e)
14     {
15         //only people logged in can use this page
16         if (Session["username"] == null)
17         {
18             Response.Redirect("~/initPage.aspx");
19         }
20         username = Session["username"].ToString();
21
22         if (userFunction.isAdmin(Session["username"].ToString()))
23         {
24             admin.Visible = true;
25             allUsers = userFunction.GetUsers();
26         }
27
28         if (IsPostBack)
29         {
30             string postReason = Request.Form["submitter"];
31             string postId = Request.Form["key"];
32             if (postReason != null && postId != null && postId != "orez")
33             {
34                 if (postReason.Equals("delete"))
35                 {
36                     if (!userFunction.isAdmin(postId))
37                     {
38                         userFunction.Deleteuser(postId);
39                         Response.Redirect(Request.RawUrl);
40                     }
41                 }
42                 else if (postReason.Equals("admin"))
43                 {
44                     System.Diagnostics.Debug.WriteLine("in admin");
45                     userFunction.toggleAdmin(postId);
46                     System.Threading.Thread.Sleep(500);
47                     Response.Redirect(Request.RawUrl);
48                 }
49             }
50         }
51     }
52 }
```

```
53     protected void pswdsub_Click(object sender, EventArgs e)
54     {
55         if (pswdtxt.Text.ToString() != "")
56         {
57             userFunction.UpdatePassword(Session["username"].ToString(),
58             AesCryp.encrypt(pswdtxt.Text.ToString()));
59             Response.Redirect(Request.RawUrl);
60         }
61     }
62
63     protected void delbtn_Click(object sender, EventArgs e)
64     {
65         if (!userFunction.isAdmin(Session["username"].ToString()))
66         {
67             userFunction.Deleteuser(Session["username"].ToString());
68             Session["username"] = null;
69             Response.Cookies["UserName"].Expires = DateTime.Now.AddDays(-1);
70             Response.Redirect("~/Register.aspx");
71         }
72     }
73 }
```



```

1  <%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
    AutoEventWireup="true" CodeFile="Packs.aspx.cs" Inherits="cardDeck" %>
2
3  <asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
4      <link rel="stylesheet" href="style/cards.css">
5      <link rel="stylesheet" href="style/stad.css">
6      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/
        jquery.min.js"></script>
7      <script src="scripts/packanimate.js"></script>
8      <style>
9          body{
10             background-image:url('../images/stadiums/
                Tottenhamhotspurstadium.jpg');
11         }
12     </style>
13 </asp:Content>
14 <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
    Runat="Server">
15     <div class="wcent">
16         <div class="wrapperr">
17             <form Runat="server">
18                 <asp:Button ID="testbtn" runat="server" Text="Button"
                    OnClick="testbtn_Click" />
19                 <div class="row">
20                     <asp:PlaceHolder runat="server" ID="PackPlaceHolder"></
                        asp:PlaceHolder>
21                     <div class="deck" style="position: relative;">
22                         <%=carddeck %>
23                     </div>
24                 </div>
25                 <asp:Button ID="saveB" runat="server" Text="Save Pack"
                    OnClick="saveB_Click" />
26             </form>
27         </div>
28     </div>
29     <script src="scripts/pack.js"></script>
30 </asp:Content>

```

```
1 using ASP;
2 using System;
3 using System.Collections.Generic;
4 using System.Linq;
5 using System.Security.Policy;
6 using System.Web;
7 using System.Web.Services.Description;
8 using System.Web.UI;
9 using System.Web.UI.HtmlControls;
10 using System.Web.UI.WebControls;
11 using DAL;
12 using DAL.apiClases;
13 using gf = DAL.GlobalFunctions;
14 using System.Diagnostics;
15
16 public partial class cardDeck : System.Web.UI.Page
17 {
18     public string carddeck;
19     private List<Card> cards;
20     private Dictionary<string, clubColour> clbclr;
21     protected void Page_Load(object sender, EventArgs e)
22     {
23         //only people logged in can use this page
24         if (Session["username"] == null)
25         {
26             Response.Redirect("~/initPage.aspx");
27         }
28
29         createpacksforuser();
30         saveB.Visible = false;
31         clbclr = CardFunctions.getcolours();
32     }
33     // function creates all the pack for logged in user
34     public void createpacksforuser()
35     {
36         List<int> packsFU = PackFunctions.packsByUsername(Session
37             ["username"].ToString());
38         foreach (int PackId in packsFU)
39         {
40             HtmlGenericControl cont = new HtmlGenericControl("DIV");
41             cont.Attributes.Add("class", "col");
42             PackPlaceHolder.Controls.Add(cont);
43             HtmlGenericControl css = new HtmlGenericControl("DIV");
44             string address = "";
45             switch (PackId)
46             {
47                 case 2:
48                     address = "images/packs/gold.png";
49                     break;
50                 case 1:
51                     address = "images/packs/diamond.png";
52                     break;
```

```

52         case 4:
53             address = "images/packs/silver.png";
54             break;
55         default:
56             address = "images/packs/silver.png";
57             break;
58     }
59     css.Attributes.Add("class", "row");
60     css.InnerHtml += "<img src='" + address + "'/>";
61     cont.Controls.Add(css);
62     HtmlGenericControl cont2 = new HtmlGenericControl("DIV");
63     cont2.Attributes.Add("class", "row");
64     cont.Controls.Add(cont2);
65     Button b = new Button();
66     b.Style.Add("width", "290px");
67     b.Text = PackId.ToString();
68     b.Click += new EventHandler(openPack_Click);
69     b.CssClass = "btn btn-primary";
70     b.Attributes.Add("onclick", "openpack();");
71     cont2.Controls.Add(b);
72 }
73 if (PackPlaceholder.Controls.Count == 0)
74     carddeck = "<p>no packs available</p>";
75 }
76
77 // the function gets the rating and the card list and handles the return if ↗
78 // contains
79 private Card cardByRating(List<Card> cards, int ratinglow, int ratinghigh)
80 {
81     Card player = CardFunctions.getByRating(ratinglow, ratinghigh);
82     while (doesContain(cards, player.name))
83     {
84         player = CardFunctions.getByRating(ratinglow, ratinghigh);
85     }
86     return player;
87 }
88 //the function gets the current list of cards and a name of the next card and ↗
89 //returns
90 //true if duplicate and false if not.
91 private bool doesContain(List<Card> cards, string name)
92 {
93     foreach (Card player in cards)
94     {
95         if (player.name == name)
96             return true;
97     }
98     return false;
99 }
100 //function thats called when open packs is pressed
101 protected void openPack_Click(object sender, EventArgs e)
102 {

```

```
102     int packID;
103     try
104     {
105         packID = Convert.ToInt32(((Button)sender).Text);
106         Debug.WriteLine(packID.ToString());
107     }
108     catch
109     {
110         packID = -1;
111         Debug.WriteLine("Failed to find PACKID");
112     }
113     try
114     {
115         if (packID != -1)
116         {
117             #region chances
118             int total = 0;
119             string[] odds = PackFunctions.getByPackId(packID);
120             int under80 = total + Convert.ToInt32(odds[1]);
121             total += Convert.ToInt32(odds[1]);
122             int under85 = total + Convert.ToInt32(odds[2]);
123             total += Convert.ToInt32(odds[2]);
124             int under90 = total + Convert.ToInt32(odds[3]);
125             total += Convert.ToInt32(odds[3]);
126             int under99 = total + Convert.ToInt32(odds[5]);
127             total += Convert.ToInt32(odds[4]);
128             int special = total + Convert.ToInt32(odds[4]);
129             total += Convert.ToInt32(odds[5]);
130
131             Debug.WriteLine(under80);
132             Debug.WriteLine(under85);
133             Debug.WriteLine(under90);
134             Debug.WriteLine(under99);
135             Debug.WriteLine(special);
136             #endregion
137
138             Random rnd = new Random();
139             cards = new List<Card>();
140             List<string> cid = new List<string>();
141             for (int i = 0; i < 5; i++)
142             {
143                 int num = rnd.Next(100);
144                 if (num <= under80)
145                 {
146                     Card card = cardByRating(cards, 0, 80);
147                     cards.Add(card);
148                     cid.Add(card.id.ToString());
149                 }
150                 else if (num > under80 && num <= under85)
151                 {
152                     Card card = cardByRating(cards, 80, 85);
153                     cards.Add(card);
```

```

154         cid.Add(card.id.ToString());
155     }
156     else if (num > under85 && num <= under90)
157     {
158         Card card = cardByRating(cards, 85, 90);
159         cards.Add(card);
160         cid.Add(card.id.ToString());
161     }
162     else if (num > under90 && num <= under99)
163     {
164         Card card = cardByRating(cards, 90, 98);
165         cards.Add(card);
166         cid.Add(card.id.ToString());
167     }
168     else
169     {
170
171     }
172     if (num == 99)
173     {
174         int rnd2 = rnd.Next(100);
175         if (rnd2 > 50)
176         {
177             Card crd = CardFunctions.getByCardId(984);
178             cards.Add(crd);
179             cid.Add(crd.id.ToString());
180         }
181     }
182     Debug.WriteLine("num- " + num);
183 }
184 Debug.WriteLine("started with API");
185 Dictionary<string, Element> dic = APICall.getListOfStats(cid);
186 Debug.WriteLine("Done with API");
187 foreach (Card player in cards.OrderByDescending(x =>
188     x.rating).ToList())
189 {
190     try
191     {
192         carddeck += gf.createCard(player, clbclr[player.club],
193             dic[player.id.ToString()]);
194     }
195     catch
196     {
197         carddeck += gf.createCard(player, clbclr[player.club],
198             new Element());
199     }
200     if (!cardInv.checkDuplicate(Session["username"].ToString(),
201         player.id))
202     {
203         cardInv.Addplayer(Session["username"].ToString(),
204             player.id); //remooooove

```

```
201         }
202         Debug.WriteLine(player.id);
203     }
204     PackFunctions.deletePack(Session["username"].ToString(),
205                             packID);//remooooove
206     PackPlaceholder.Controls.Remove((Button)sender);//remooooove
207     PackPlaceholder.Visible = false;
208     saveB.Visible = true;
209 }
210
211 }
212 catch
213 {
214
215 }
216 }
217 //function that runs when you want to save pack, saves to database.
218 protected void saveB_Click(object sender, EventArgs e)
219 {
220     PackPlaceholder.Visible = true;
221     saveB.Visible = false;
222     carddeck = "";
223     Debug.WriteLine("saved");
224     if (PackPlaceholder.Controls.Count == 0)
225         carddeck = "<p>no packs available</p>";
226 }
227
228 protected void testbtn_Click(object sender, EventArgs e)
229 {
230     PackFunctions.addPack(Session["username"].ToString(), 1);
231 }
232 }
```

```

1  <%@ Master Language="C#" AutoEventWireup="true" CodeFile="MasterPage.master.cs"
    Inherits="MasterPage" %>
2
3  <!DOCTYPE html>
4
5  <html>
6  <head runat="server">
7
8      <!-- Required meta tags -->
9      <meta charset="utf-8">
10     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
        fit=no">
11     <!-- Bootstrap CSS -->
12     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/
        dist/css/bootstrap.min.css" integrity="sha384-TX8t27EcRE3e/
        ihU7zmQxVncDAY5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
        crossorigin="anonymous">
13     <link rel="stylesheet" href="style/master.css" />
14     <script src="https://kit.fontawesome.com/a076d05399.js"
        crossorigin="anonymous"></script>
15     <title></title>
16     <asp:ContentPlaceHolder id="head" runat="server">
17     </asp:ContentPlaceHolder>
18 </head>
19 <body>
20     <nav class="navbar navbar-expand-lg text-white bg-transparent my-50">
21     <button class="navbar-toggler" type="button" data-toggle="collapse" data-
        target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-
        label="Toggle navigation">
22         <span class="navbar-toggler-icon navbar-light"></span>
23     </button>
24     <div class="collapse navbar-collapse" id="navbarNav">
25         <ul class="navbar-nav mx-auto">
26             <li class="nav-item active">
27                 <a class="nav-link" href="index.aspx">Home <span class="sr-only">(current)
28             </li>
29             <li class="nav-item">
30                 <a class="nav-link" href="cardDeck.aspx">collection</a>
31             </li>
32             <li class="nav-item">
33                 <a class="nav-link" href="Packs.aspx">packs</a>
34             </li>
35             <li class="nav-item">
36                 <a class="nav-link" href="Betting.aspx">Bets</a>
37             </li>
38             <li class="nav-item">
39                 <a class="nav-link" href="profile.aspx"><i class="fas fa-user"></i></a>
40             </li>
41             <li class="nav-item">
42                 <a href="LogOut.aspx"><i class="fas fa-sign-out-alt"></i></a>
43             </li>

```

```
44
45
46
47     </ul>
48 </div>
49 </nav>
50
51     <asp:ContentPlaceHolder id="ContentPlaceHolder1" runat="server">
52 </asp:ContentPlaceHolder>
53     <!-- Option 1: jQuery and Bootstrap Bundle (includes Popper) -->
54     <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"           ↗
55         integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew ↗
56         +OrCXaRkfj" crossorigin="anonymous"></script>
57     <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/      ↗
58         bootstrap.bundle.min.js" integrity="sha384-ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/ ↗
59         JpcUGGOn+Y7RsweNrtn/tE3MoK7ZeZDyx" crossorigin="anonymous"></script>
56
57 </body>
58 </html>
59
```



```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.UI;
6 using System.Web.UI.WebControls;
7
8 public partial class LogOut : System.Web.UI.Page
9 {
10     protected void Page_Load(object sender, EventArgs e)
11     {
12         Session["username"] = null;
13         Response.Cookies["UserName"].Expires = DateTime.Now.AddDays(-1);
14         Response.Redirect("~/Login.aspx");
15     }
16 }
```

```

... \Desktop \footballcards \footballtrading \website \Login.aspx 1
1  <%@ Page Title="" Language="C#" AutoEventWireup="true" CodeFile="Login.aspx.cs" 2
    Inherits="Login" %>
2
3  <head>
4      <link rel="stylesheet" href="style/login.css">
5      <script src="scripts/register.js"></script>
6      <script src="https://kit.fontawesome.com/a99aaa219f.js" 2
          crossorigin="anonymous"></script>
7  </head>
8  <body>
9      <div class="inpg">
10         <form class="form1" action="Login.aspx" method="POST" runat="Server" 2
            onsubmit="return logvalidate()">
11             <div class="inp_username">
12                 <i class="fas fa-user"></i>
13                 <input type="text" id="username" placeholder="Username" 2
                    name="username" required/> <br/>
14             </div>
15             <div class="inp_pass">
16                 <i class="fas fa-key"></i>
17                 <input type="password" placeholder="password" name="pass" 2
                    id="pass" required>
18             </div>
19             <div class="inp_sub" style="top: 60%;">
20                 <input class="sub" type="submit" value="submit">
21             </div>
22             <div class="inp_error" style="top: 80%;">
23                 <% =error%>
24             </div>
25             <div class="reg" style="top: 70%;">
26                 <p>Dont have an account yet?</p><a 2
                    href="Register.aspx">Register</a>
27             </div>
28         </form>
29     </div>
30 </body>
31
32
33

```

```
1 using DAL;
2 using System;
3 using System.Collections.Generic;
4 using System.Linq;
5 using System.Web;
6 using System.Web.UI;
7 using System.Web.UI.WebControls;
8
9 public partial class Login : System.Web.UI.Page
10 {
11     public string error;
12     protected void Page_Load(object sender, EventArgs e)
13     {
14         if (Session["username"] != null)
15         {
16             Response.Redirect("~/index.aspx");
17         }
18         if (IsPostBack)
19         {
20             string username = Request.Form["username"];
21             string password = Request.Form["pass"];
22
23             if (userFunction.isUsername(username) && userFunction.checkPassword ➤
                (username, password))
24             {
25                 Session["username"] = username;
26                 Response.Cookies["UserName"].Value = username;
27                 Response.Cookies["UserName"].Expires = DateTime.Now.AddDays(360);
28                 Response.Redirect("~/index.aspx");
29             }
30             else
31             {
32                 string name = "error_login()";
33                 ScriptManager.RegisterClientScriptBlock(this, typeof(string), ➤
                    "Key", name, true);
34
35                 error = "invaild username or password";
36             }
37         }
38     }
39 }
```

```
1  <%@ Page Language="C#" AutoEventWireup="true" CodeFile="initPage.aspx.cs"
    Inherits="initPage" %>
2
3  <!DOCTYPE html>
4
5  <html xmlns="http://www.w3.org/1999/xhtml">
6  <head runat="server">
7      <title></title>
8      <link rel="stylesheet" href="style/intpage.css"/>
9      <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/
    css/bootstrap.min.css" integrity="sha384-B0vP5xmATw1
    +K9KRQjQERJvTumQW0nPEzvF6L/Z6nronJ3oUOFUpCjEUQouq2+1"
    crossorigin="anonymous">
10     <script src="https://kit.fontawesome.com/a99aaa219f.js"
        crossorigin="anonymous"></script>
11
12 </head>
13 <body>
14     <div class="all">
15         <section style="overflow: hidden;margin:0; background-image:url(images/
            initpage/cover.jpg); background-attachment: fixed; background-repeat:no-
            repeat; background-size:cover;" >
16             <h1 class="ftitle">The Unoffical Premier league betting game</h1>
17             <!-- -->
18             <div class="cover" style="background-color:#3d195b;">
19             </div>
20             <div class="stcont">
21                 <a id="arrd" href="#arrd2"><i class="fas fa-arrow-down"></i></a>
22             </div>
23         </section>
24         <section class="sticky">
25             <blockquote class="slq">Bet on real Premier League games <span
                class="spn"></span> </blockquote>
26             <div class="imgcont" style="overflow:hidden;">
27                 
28                 
29             </div>
30             <div class="stcont">
31                 <a id="arrd2" href="#arrd3"><i class="fas fa-arrow-down"></i></a>
32             </div>
33         </section>
34         <section class="sticky3">
35             <blockquote class="slq3">Open packs to get Virtual Cards<span
                class="spn3"></span> </blockquote>
36             <div class="imgcont3">
37                 
38             </div>
39             <div class="stcont">
40                 <a id="arrd3" href="#arrd4"><i class="fas fa-arrow-down"></i></a>
41             </div>
42         </section>
43         <section class="sticky2">
```

```
44     <blockquote class="slq2">Collect Virtual Cards<span class="spn2"></span>
45     </blockquote>
46     <div class="imgcont2">
47         <div class="row">
48             
49             
50             
51             
52             
53             
54         </div>
55     </div>
56     <div class="stcont" style="top: 92%;">
57         <a id="arrd4" href="#last"><i class="fas fa-arrow-down"></i></a>
58     </div>
59 </section>
60 <section style="background-color:#3d195b;">
61     <div id="last" class="bcontainer">
62         <form runat="server">
63             <a href="Register.aspx">Start Now</a>
64         </form>
65     </div>
66 </section>
67 </div>
68 <footer class="footer">
69     <div class="container">
70         <p class="text-center">Copyright @2021 | Designed by <a href="https://
71             www.youtube.com/watch?v=dQw4w9WgXcQ">Orez</a></p>
72     </div>
73 </footer>
74
75
76 <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-
77     q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5SmXKp4YfRvH+8abtTE1Pi6jizo"
78     crossorigin="anonymous"></script>
79
80
81 <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/
82     popper.min.js" integrity="sha384-ZMP7rVo3mIykV+2
83     +9J3UJ46jBk0WLaUAdn689aCwoqbBJiSnjAK/18WvCWIPm49" crossorigin="anonymous"></
84     script>
85
86 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/
87     bootstrap.min.js" integrity="sha384-ChfqqxuZUCnJSK3
88     +MXmPNIyE6ZbWh2IMqE241rYiqJxyMiZ6OW/JmZQ5stwEULTy" crossorigin="anonymous"></
89     script>
90
91 <script src="https://cdnjs.cloudflare.com/ajax/libs/gsap/3.5.1/gsap.min.js"></
92     script>
93
94 <script src="https://cdnjs.cloudflare.com/ajax/libs/ScrollMagic/2.0.8/
```

```
    ScrollMagic.min.js"></script>
85    <script src="//cdnjs.cloudflare.com/ajax/libs/ScrollMagic/2.0.3/           ↗
        ScrollMagic.js"></script>
86    <script src="https://cdnjs.cloudflare.com/ajax/libs/ScrollMagic/2.0.7/plugins/ ↗
        animation.gsap.min.js"></script>
87    <script src="scripts/intpage.js"></script>
88 </body>
89 </html>
90
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.UI;
6 using System.Web.UI.WebControls;
7
8 public partial class initPage : System.Web.UI.Page
9 {
10     protected void Page_Load(object sender, EventArgs e)
11     {
12         if (!IsPostBack)
13         {
14             if (Request.Cookies["UserName"] != null)
15             {
16                 Session["username"] = Request.Cookies["UserName"].Value;
17                 Response.Redirect("~/index.aspx");
18             }
19         }
20     }
21
22     protected void StartButton_Click(object sender, EventArgs e)
23     {
24         Response.Redirect("~/Register.aspx");
25     }
26 }
```

```

1  <%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
    AutoEventWireup="true" CodeFile="index.aspx.cs" Inherits="index" %>
2
3  <asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
4      <link rel="stylesheet" href="style/stad.css" />
5      <link rel="stylesheet" href="style/cards.css"/>
6      <style>
7          body{
8              background-image:url('../images/stadiums/Elland.jpg');
9          }
10     </style>
11     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/
        jquery.min.js"></script>
12 </asp:Content>
13 <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
    Runat="Server">
14
15     <form runat="server">
16         <div class="wcent">
17             <div class="wrapperr">
18                 <div class="containor">
19                     <div class="row">
20                         <div class="col-2">
21                             <div class="row">
22                                 <h2>news</h2>
23                                 <p>new cards available!</p>
24                             </div>
25                             <div class="row">
26                                 <h2> Latest game</h2>
27                                 <p>team1 vs team2</p>
28                                 <p>10-0</p>
29                                 <hr>
30                             </div>
31                             <div class="row">
32                                 <h2>your last bet</h2>
33                                 <p>no</p>
34                             </div>
35                         </div>
36                         <div class="col" style="float:right;">
37                             <h1>featured card</h1>
38                             <%= featured %>
39                         </div>
40                     </div>
41                 </div>
42             </div>
43         </div>
44     </form>
45     <script src="scripts/pack.js"></script>
46 </asp:Content>
47
48

```



```
1 using System;
2 using System.Collections.Generic;
3 using System.Diagnostics;
4 using System.Linq;
5 using System.Web;
6 using System.Web.UI;
7 using System.Web.UI.WebControls;
8 using DAL;
9 using DAL.apiClases;
10
11 public partial class index : System.Web.UI.Page
12 {
13     public string username;
14     public string featured;
15     protected void Page_Load(object sender, EventArgs e)
16     {
17         if (Session["username"] == null)
18         {
19             Response.Redirect("~/initPage.aspx");
20         }
21         username = Session["username"].ToString();
22
23         getFeatured();
24     }
25     public void getFeatured()
26     {
27         List<Card> allCards = new List<Card>();
28
29         Debug.WriteLine("starting DB");
30         string ids = cardInv.getAllcardId(Session["username"].ToString());
31         Debug.WriteLine("done DB");
32         Debug.WriteLine("starting DB2");
33         allCards = CardFunctions.getAllByCardId("(" + ids + ")");
34         allCards = allCards.OrderByDescending(o => Convert.ToInt32
35             (o.rating)).ToList();
36
37         Dictionary<string, Element> els;
38         List<string> ls = ids.Split(',').ToList();
39         els = APICall.getListOfStats(ls);
40         if (els.Count == 0)
41         {
42             els.Add(ls[0], new Element());
43         }
44
45         Dictionary<string, clubColour> clbclr = CardFunctions.getcolours();
46
47         Element d = els[allCards[0].id.ToString()];
48
49         featured = GlobalFunctions.createCard(allCards[0], clbclr[allCards
50             [0].club], els[allCards[0].id.ToString()]);
```

```
51     protected void logOut_Click(object sender, EventArgs e)
52     {
53         Session["username"] = null;
54         Response.Cookies["UserName"].Expires = DateTime.Now.AddDays(-1);
55         Response.Redirect("~/Login.aspx");
56     }
57 }
```

```

...sktop\footballcards\footballtrading\website\cardDeck.aspx 1
1  <%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master" 2
    AutoEventWireup="true" CodeFile="cardDeck.aspx.cs" Inherits="cardDeck" %>
2  <asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
3      <link rel="stylesheet" href="style/cards.css"/>
4      <link rel="stylesheet" href="style/prog.css" />
5      <link rel="stylesheet" href="style/stad.css" />
6      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/ 2
          jquery.min.js"></script>
7      <style>
8          body{
9              background-image:url('../images/stadiums/anfield.jpg');
10         }
11         .wrapperr{
12             background: #660303c4;
13             box-shadow: 0 0 10px #660303c4, 0 0 40px #660303c4, 0 0 80px 2
                #660303c4;
14         }
15         .nav-item{
16             background: #660303;
17             box-shadow: 0 0 10px #660303, 0 0 40px #660303ce, 0 0 80px #660303ce;
18         }
19     </style>
20 </asp:Content>
21 <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" 2
    Runat="Server">
22     <div class="wcent">
23         <div class="wrapperr">
24             <form runat="server">
25                 <div class="containor">
26                     <div class="row">
27                         <asp:Placeholder ID="bfix" runat="server"></ 2
                            asp:Placeholder>
28                     </div>
29                 </div>
30                 <asp:Placeholder ID="afix" runat="server">
31                     <asp:Button CssClass="btn btn-primary" ID="back" runat="server" 2
                        Text="back" OnClick="back_Click" />
32                     <div class="deck">
33                         <%= carddeck %>
34                     </div>
35                 </asp:Placeholder>
36             </form>
37         </div>
38     </div>
39     <script src="scripts/pack.js"></script>
40 </asp:Content>
41
42

```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.UI;
6 using System.Web.UI.WebControls;
7 using System.Diagnostics;
8 using DAL;
9 using DAL.apiClases;
10 using gf = DAL.GlobalFunctions;
11 using System.Web.UI.HtmlControls;
12
13 public partial class cardDeck : System.Web.UI.Page
14 {
15     public string carddeck;
16     private List<Card> allCards;
17     private Dictionary<string, clubColour> clbclr;
18     private Dictionary<string, Element> els;
19     protected void Page_Load(object sender, EventArgs e)
20     {
21         //only people logged in can use this page
22         if (Session["username"] == null)
23         {
24             Response.Redirect("~/initPage.aspx");
25         }
26         start();
27         showAll();
28     }
29     public void start()
30     {
31
32         allCards = new List<Card>();
33
34         Debug.WriteLine("starting DB");
35         string ids = cardInv.getAllcardId(Session["username"].ToString());
36         Debug.WriteLine("done DB");
37         Debug.WriteLine("starting DB2");
38         allCards = CardFunctions.getALLByCardId("(" + ids + ")");
39         allCards = allCards.OrderByDescending(o => Convert.ToInt32
40             (o.rating)).ToList();
41
42         List<string> ls = ids.Split(',').ToList();
43
44         els = APICall.getListOfStats(ls);
45
46         clbclr = CardFunctions.getcolours();
47         Debug.WriteLine("done with start");
48
49         bfix.Visible = true;
50         afix.Visible = false;
51     }
```

```

52     public void showAll()
53     {
54         List<string[]> li = CardFunctions.getClubsTotal();
55         foreach (string[] Club in li)
56         {
57             HtmlGenericControl all = new HtmlGenericControl("DIV");
58             all.Attributes.Add("class", "bard");
59             //all.Style.Add("background-color", clbclr[Club[0]].scolour); adds ng ↗
59             colour to collection items
60             bfix.Controls.Add(all);
61
62             int howmany = count(Club[0]);
63
64             HtmlGenericControl bbox = new HtmlGenericControl("DIV");
65             bbox.Attributes.Add("class", "box");
66             bbox.InnerHtml += gf.createClubPrec(Club, howmany, clbclr[Club[0]]);
67             all.Controls.Add(bbox);
68
69             Button b = new Button();
70             b.Text= (100 * howmany) / Convert.ToInt32(Club[1]) + "%";
71             b.Attributes["club"] = Club[0];
72             b.Attributes.Add("class", "btn btn-primary");
73             b.Attributes.Add("runat", "server");
74             b.Click += clickedonclub;
75             bbox.Controls.Add(b);
76
77         }
78     }
79     public void clickedonclub(object sender, EventArgs e)
80     {
81         string clubname = ((Button)sender).Attributes["club"];
82         carddeck = "";
83         foreach (Card c in allCards)
84         {
85             if (c.club == clubname)
86             {
87                 try
88                 {
89                     carddeck += gf.createCard(c, clbclr[c.club], els ↗
89                     [c.id.ToString()]);
90                 }
91                 catch
92                 {
93                     carddeck += gf.createCard(c, clbclr[c.club], new Element());
94                 }
95             }
96         }
97         bfix.Visible = false;
98         afix.Visible = true;
99     }
100     public int count(string name)
101     {

```

```
102         int counter = 0;
103         foreach (Card crd in allCards)
104         {
105             if (crd.club == name)
106                 counter++;
107         }
108         return counter;
109     }
110
111     protected void back_Click(object sender, EventArgs e)
112     {
113         carddeck += " ";
114         bfix.Visible = true;
115         afix.Visible = false;
116     }
117
118 }
```