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SCSJ3253
PROGRAMMING TECHNIQUE III
REPORT FOR PROJECT

QATAR 2022 FIFA WORLD CUP PLAYERS LIST

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1.0 Project Overview

Many people are interested in and watch football matches all over the world. One of them is FIFA World Cup Qatar 2022™ which took place from November 20 to December 18, 2022. There are 32 teams from around the world who will compete in 64 matches.

Therefore, we have developed a system for fans to know the players of the team by country. This system is developed using ASP.NET web programming along with Microsoft Visual Studio 2022 which is used to edit, debug, and build code, and then publish an app.

The goal of this project is to create a web platform where fans can easily view all news and happenings related to FIFA World Cup Qatar 2022™. To make the experience more pleasant, the players and group matches according to countries are also available to be viewed on the website.

2.0 Tools & Technology Usage

Before implementing a project, we need a plan first so that the objective of application development is achieved. Among the tools and technologies used are as in the table 1 below.

Tools	Description
UML Tools Design	Enterprise Architecture 12
Programming Code Editor	Visual Studio 2022
Programming Language	ASP. Net
Web Based Hosting Service	GitHub
Database	SQL Server
Output System	Web Browser (Google Chrome, Mozilla Firefox etc.)

Table 1 : The type of tools and technology used

3.0 System Module

There are 3 main pages that include modules as below :

1. Public User

- On this page there are 3 modules provided for public users namely Football News, Group and List Players.

2. Super Admin

- On this page, super admin is responsible for managing admin users such as create, update, view and delete user info.

3. Admin

- On this page, the admin needs to manage football news information, group list of each team and player information by country to be displayed on the public user page.

4.0 Module Functionality

The following is an explanation of the function of this system module.

4.1 Module Registration

Super admins can register new super admins or admins by logging into the super admins dashboard. Then, by clicking on “Add User” on the navigation bar on the top, the form to register a new user will be displayed.

4.2 Module Login

Super admins and admins can log in to their respective dashboard by clicking on “Login” at the navigation bar at the main page. Both of them have their own respective dashboard view. For example, super admins can add new users to the system while admins can add new news articles.

4.3 Module Football News

Football news can be viewed on the main homepage of the website. This is to show the latest topic and happenings that is related to FIFA World Cup Qatar 2022™. New news can be created, edited and deleted from the admins’ dashboard.

4.4 Module Group

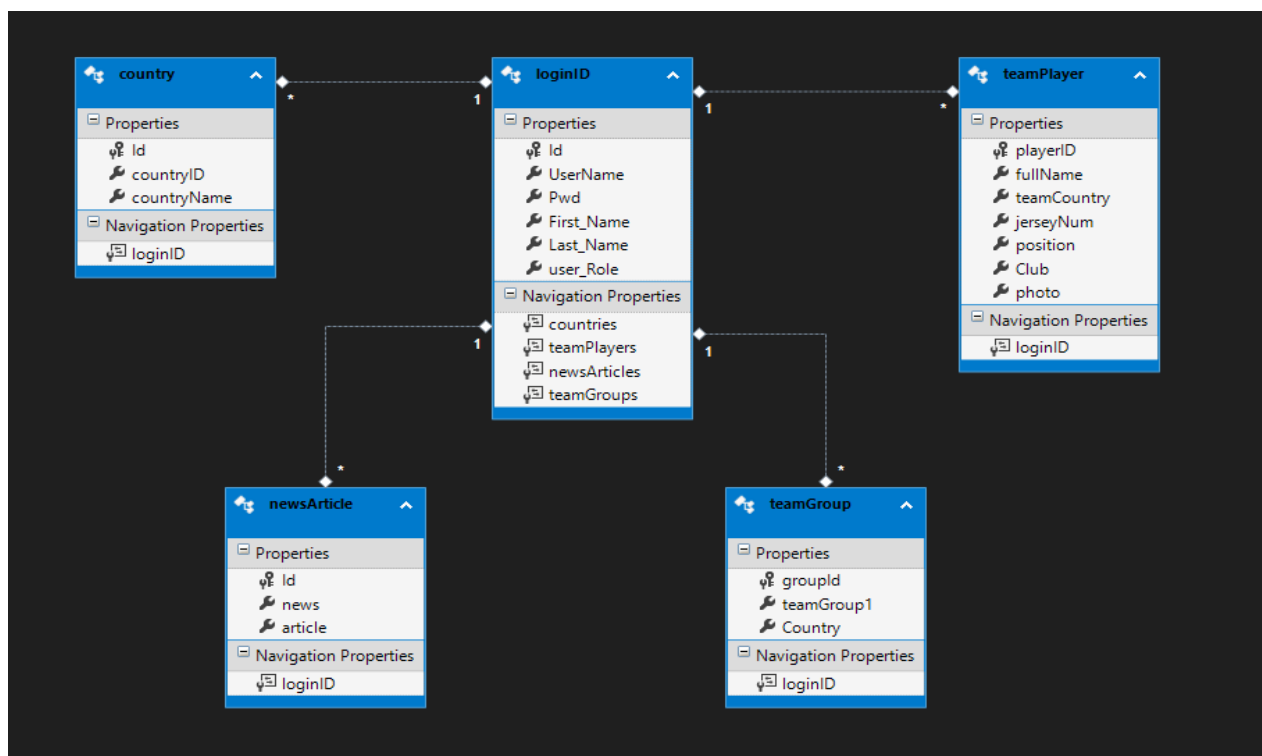
Groups can be viewed from “Groups” on the navigation bar from the homepage. This is to show which country is competing in which group in the FIFA FIFA World Cup Qatar 2022™ match. The groups can be created, edited and deleted from the admin dashboard.

4.5 Module List Players

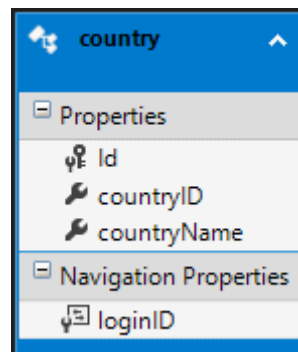
Visitors to the website can view all the players of a particular country by going to “List Players” on the navigation bar from the homepage. By selecting a country from the drop down list, the players for that country will be displayed. The players can be created, edited and deleted from the admin dashboard.

5.0 Database Design

5.1 Entity Relationship Diagram (ERD)



5.1.1 Table and Data



country	
Properties	
Id	
countryID	
countryName	
Navigation Properties	
loginID	

	Id	countryID	countryName
▶	1	ARG	Argentina
	2	AUS	Australia
	3	BEL	Belgium
	4	BRA	Brazil
	5	CMR	Cameroon
	6	CAN	Canada
	7	CRC	Costa Rica
	8	CRO	Croatia
	9	DEN	Denmark
	10	ECU	Ecuador
	11	ENG	England
	12	FRA	France
	13	GER	Germany
	14	GHA	Ghana
	15	IRN	Iran
	16	JPN	Japan
	17	MEX	Mexico
	18	MAR	Morocco
	19	NED	Netherlands
	20	POL	Poland
	21	POR	Portugal

loginID	
Properties	
Id	
UserName	
Pwd	
First_Name	
Last_Name	
user_Role	
Navigation Properties	
countries	
teamPlayers	
newsArticles	
teamGroups	

	Id	UserName	Pwd	First_Name	Last_Name	user_Role
▶	1	admin	admin123	admin	admin	admin
	2	Ma22Do	Ma22abc321	Mazrizal	Abdullah	user
	3	Naza	naz99999	Nazariah	Abdul Rahman	admin
	4	Kynn_Lady	Kynn8877	Ashikin	Megat Saidi	user
	5	Chikones	h@ck99o1	Charlene	NG Andrew	admin
	6	Qwang1	Pass54321	Qwang	Yi Won	user
	7	PeterWA	germany22	Peter	Winston	user
	8	Madonna	Madonna2023	Madonna	Klins	user
	9	Barakat23	Salem44	Ali	Al Walid	user
	10	HH_234	silent99	Hayakema	Naruto	user
	24	Razak	ajak123	Razak	Bunyamin	User
	25	Siti	siti123	Siti	Aminah	User
	27	Qafeel23	ayan123	Qafeel	Aryan	user
⚙	NULL	NULL	NULL	NULL	NULL	NULL

teamPlayer	
Properties	
playerID	
fullName	
teamCountry	
jerseyNum	
position	
Club	
photo	
Navigation Properties	
loginID	

	playerID	fullName	teamCountry	jerseyNum	position	Club	photo
▶	1	Franco Armani	Argentina	1	GK	River Plate	img/player/Fra...
	3	Gerónimo Rulli	Argentina	12	GK	Villarreal	NULL
	4	Emiliano Martí...	Argentina	23	GK	Aston Villa	NULL
	5	Juan Foyth	Argentina	2	DF	Villarreal	NULL
	6	Nicolás Tagliafico	Argentina	3	DF	Lyon	NULL
	7	Gonzalo Montiel	Argentina	4	DF	Sevilla	NULL
	8	Germán Pezzella	Argentina	6	DF	Real Betis	NULL
	9	Marcos Acuña	Argentina	8	DF	Sevilla	img/player/Ma...
	10	Cristian Romero	Argentina	13	DF	Tottenham Hot...	NULL
	11	Nicolás Otame...	Argentina	19	DF	Benfica	NULL
	12	Lisandro Martín...	Argentina	25	DF	Manchester Uni...	NULL
	14	Nahuel Molina	Argentina	26	DF	Atletico Madrid	NULL
	15	Leandro Paredes	Argentina	5	MF	Juventus	NULL
	16	Rodrigo De Paul	Argentina	7	MF	Atletico Madrid	NULL
	17	Exequiel Palacios	Argentina	14	MF	Bayer Leverkusen	NULL
	18	Thiago Almada	Argentina	16	MF	Atlanta United	NULL
	19	Alejandro Gómez	Argentina	17	MF	Sevilla	NULL
	21	Guido Rodríguez	Argentina	18	MF	Real Betis	NULL
	22	Alexis Mac Allis...	Argentina	20	MF	Brighton & Ho...	NULL
	23	Enzo Fernández	Argentina	24	MF	Benfica	NULL
	24	Julián Álvarez	Argentina	9	FW	Manchester City	NULL
	25	Lionel Messi	Argentina	10	FW	Paris Saint-Ger...	NULL
	26	Ángel Di María	Argentina	11	FW	Juventus	img/player/An...
	27	Ángel Correa	Argentina	15	FW	Atletico Madrid	NULL
	28	Paulo Dybala	Argentina	21	FW	Roma	NULL
	29	Lautaro Martínez	Argentina	22	FW	Internazionale	NULL
	30	Mathew Ryan	Australia	1	GK	Copenhagen	NULL
	31	Andrew Redma...	Australia	12	GK	Sydney FC	NULL
	32	Danny Vukovic	Australia	18	GK	Central Coast ...	NULL
	33	Miloš Degenek	Australia	2	DF	Columbus Crew	NULL
	34	Nathaniel Atkin...	Australia	3	DF	Heart of Midlot...	NULL
	35	Kye Rowles	Australia	4	DF	Heart of Midlot...	NULL

newsArticle	
Properties	
Id	
news	
article	
Navigation Properties	
loginID	

	Id	news	article
▶	1	Al-Dawsari stun...	While La Albice...
	2	Muntari nets Q...	The World Cup ...
	3	Déjà vu delight ...	On match day ...
	4	Hwang heroics ...	Twenty-five mi...
	5	Weghorst's well...	When Wout We...
	6	Morocco beco...	Prior to Qatar 2...
	7	Messi and Mba...	Lionel Messi an...
	8	Lionel Messi Si...	The adidas Gol...
	9	Richarlison Go...	The winner of t...
	10	Kylian Mbappé ...	The adidas Gol...
	12	David Luiz: The ...	David Luiz disc...
	NULL	NULL	NULL

teamGroup	
Properties	
groupId	
teamGroup1	
Country	
Navigation Properties	
loginID	

	groupId	teamGroup	Country
▶	5	Group A	Netherlands
	6	Group A	Senegal
	7	Group A	Ecuador
	8	Group A	Qatar
	9	Group B	England
	10	Group B	USA
	11	Group B	Iran
	12	Group B	Wales
	13	Group C	Argentina
	14	Group C	Poland
	15	Group C	Mexico
	16	Group C	Saudi Arabia
	17	Group D	France
	18	Group D	Australia
	19	Group D	Tunisia
	20	Group D	Denmark
	21	Group E	Japan
	22	Group E	Spain
	23	Group E	Germany
	24	Group E	Costa Rica
	25	Group F	Morocco
	27	Group F	Croatia
	28	Group F	Belgium
	29	Group F	Canada
	30	Group G	Brazil
	31	Group G	Switzerland
	32	Group G	Cameroon
	33	Group G	Serbia
	34	Group H	Portugal
	35	Group H	South Korea
	37	Group H	Uruguay
	38	Group H	Ghana

5.2 Use Case

A UML use case diagram is one of the system requirements so that the developed system becomes clear and achieves its objectives. Figure 1 shows the Use Case of the FIFA World Cup Players system.

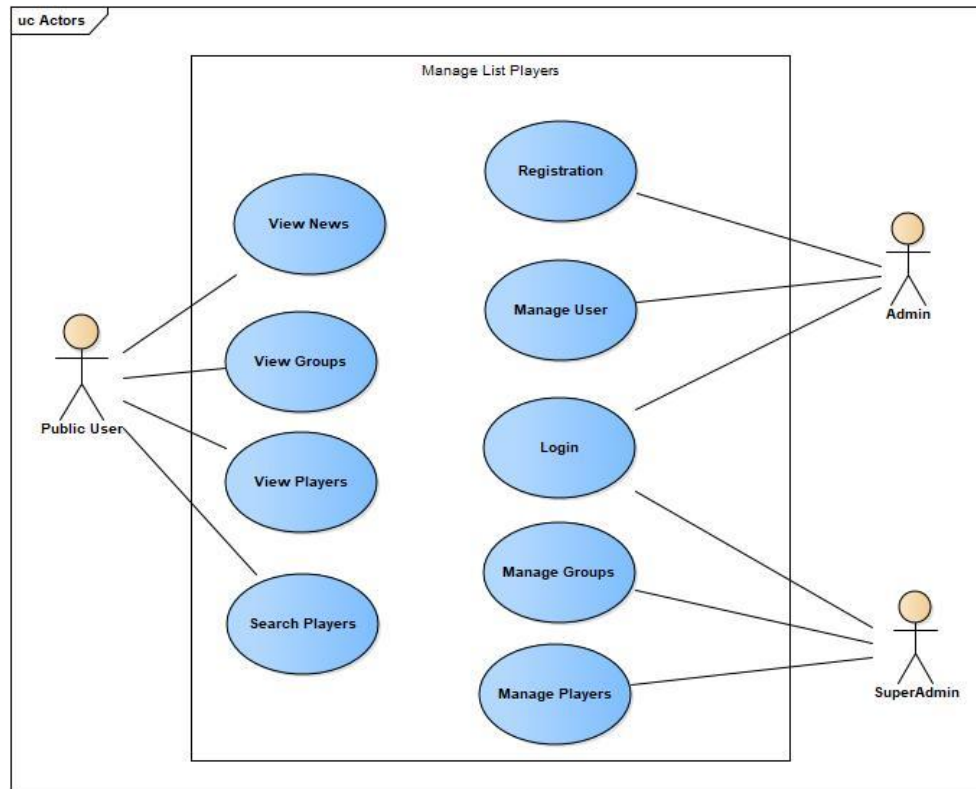


Figure 1 : Use Case Diagram FIFA World Cup Players system

5.3 Activity Diagram

Activity diagram is basically a flowchart to represent the flow from one activity to another activity.

5.3.1 Activity Diagram for Registration and Login System

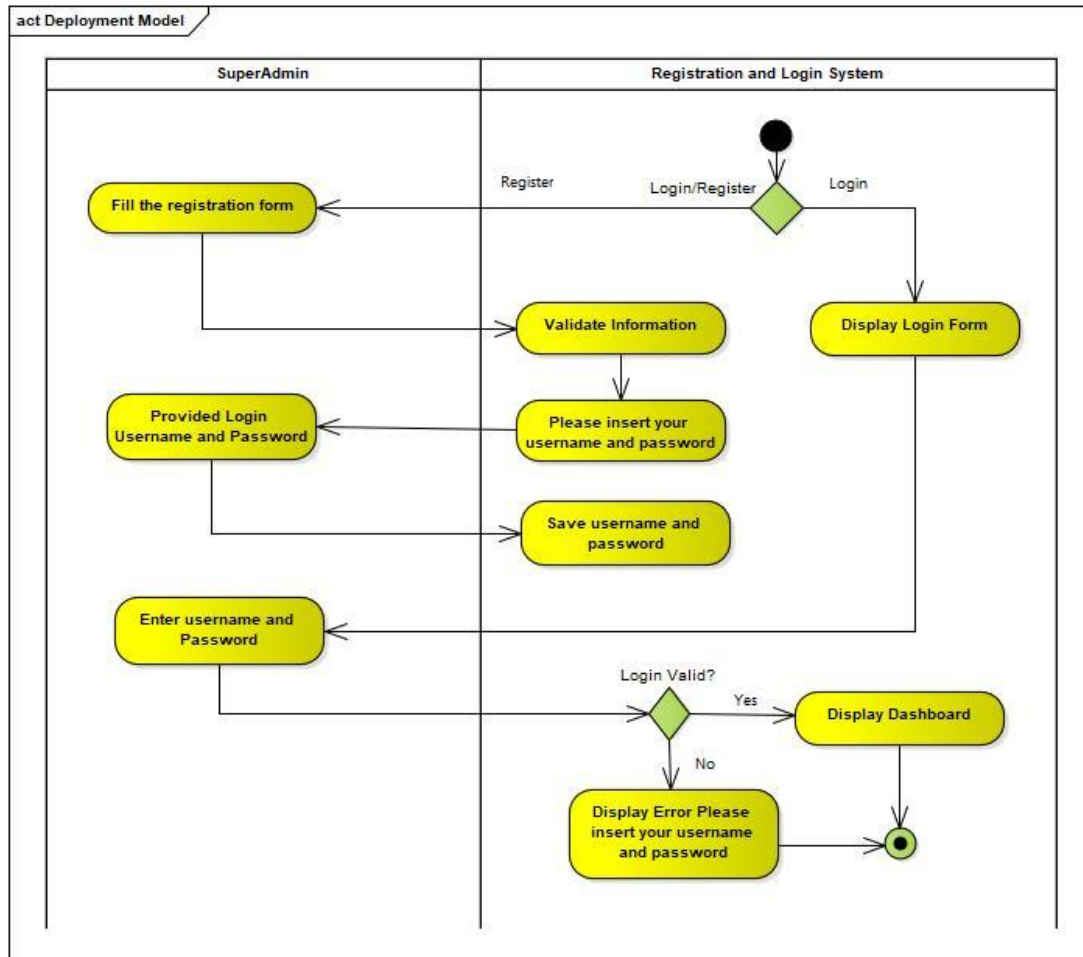


Figure 2 : Activity Diagram for Login and Register

5.3.2 Activity Diagram for Manage User

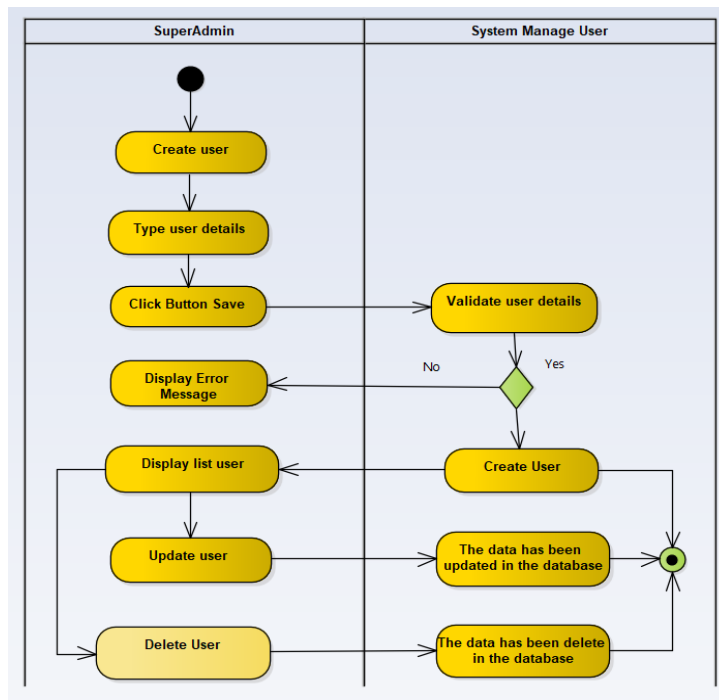


Figure 3 : Activity Diagram for Manage User

5.3.3 Activity Diagram for Manage News Football

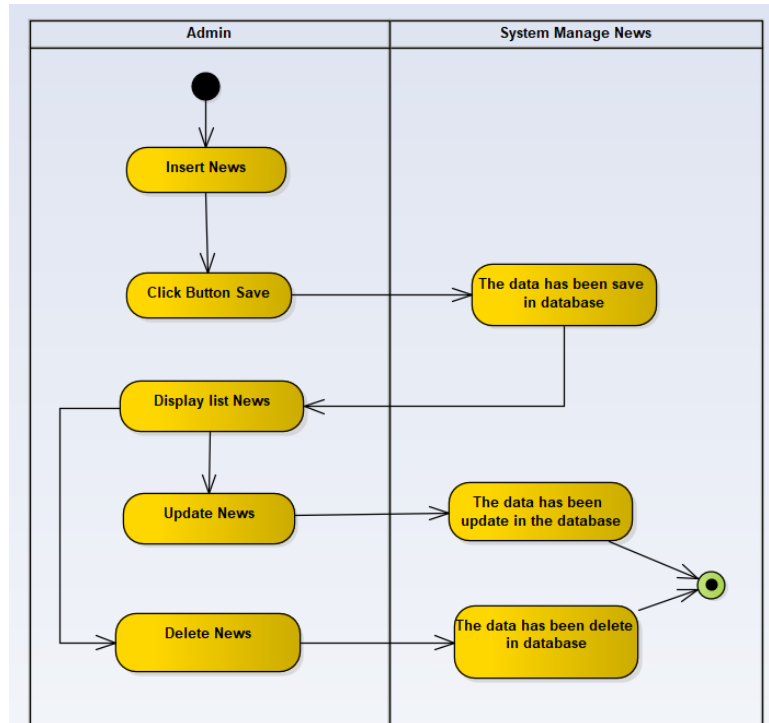


Figure 4 : Activity Diagram for Manage News

5.3.4 Activity Diagram for Manage Group

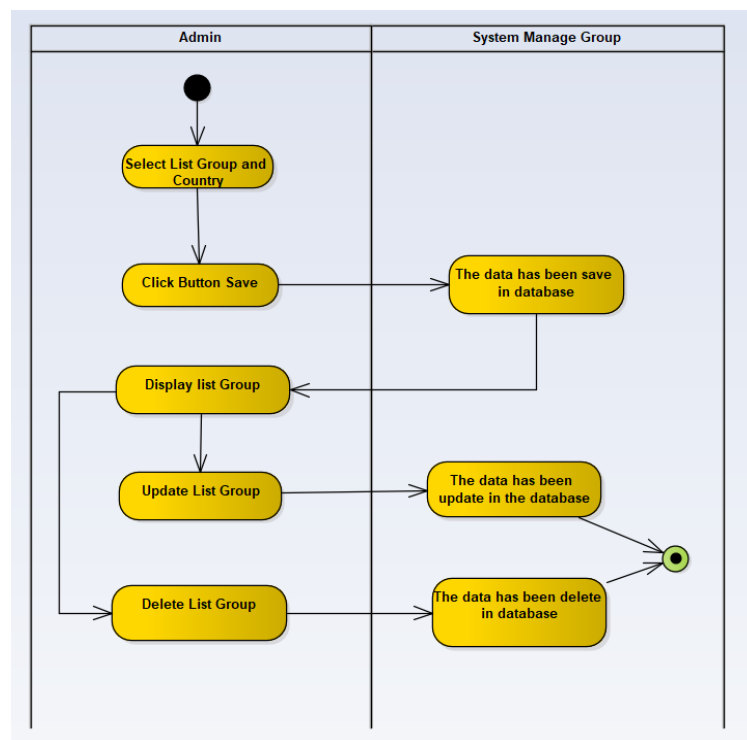


Figure 5 : Activity Diagram for Manage Group

5.3.5 Activity Diagram for Manage Players

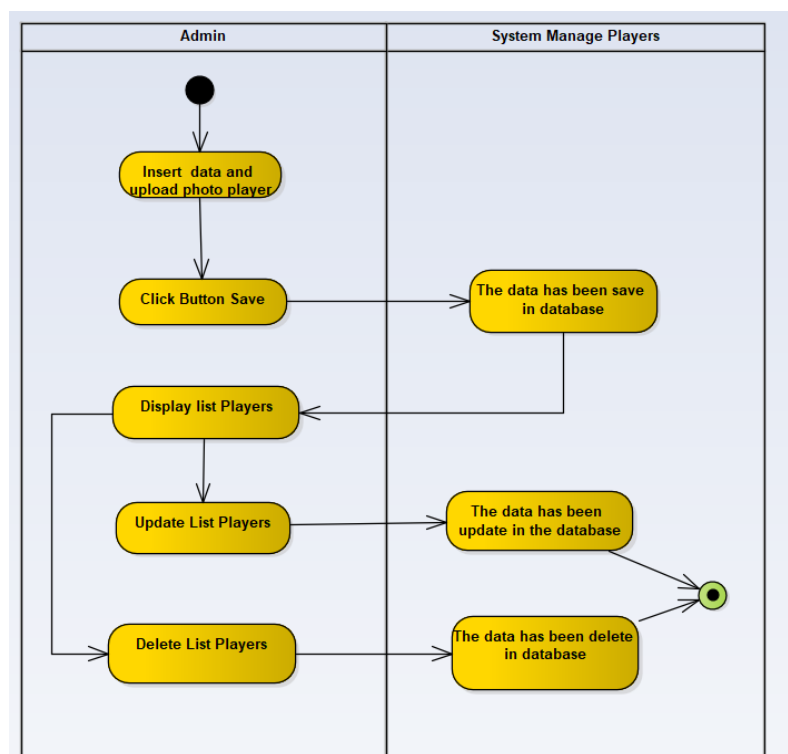


Figure 6 : Activity Diagram for Manage Players

5.3.6 Activity Diagram for View Data

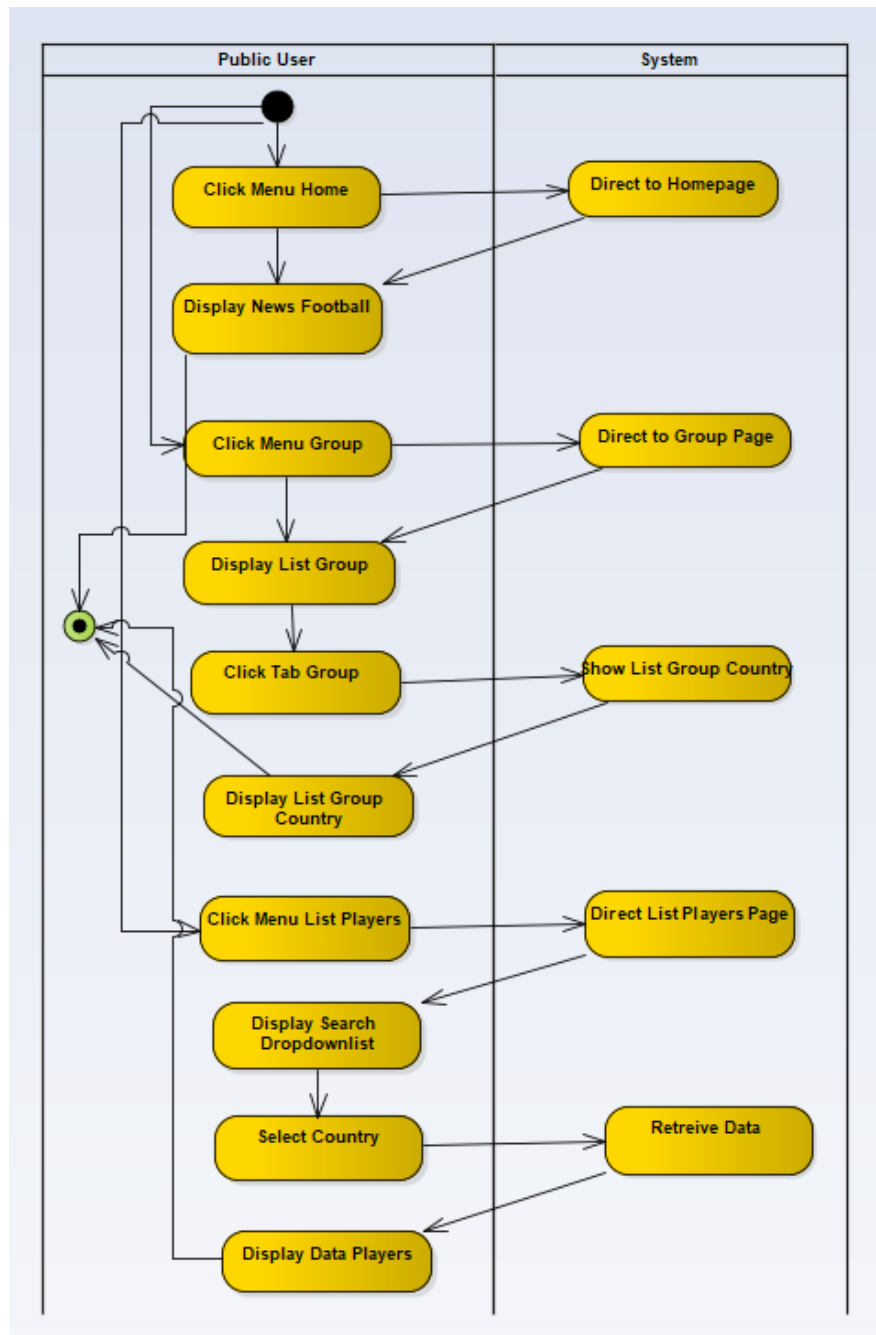


Figure 7 : Activity Diagram for View Data

6.0 Source Code

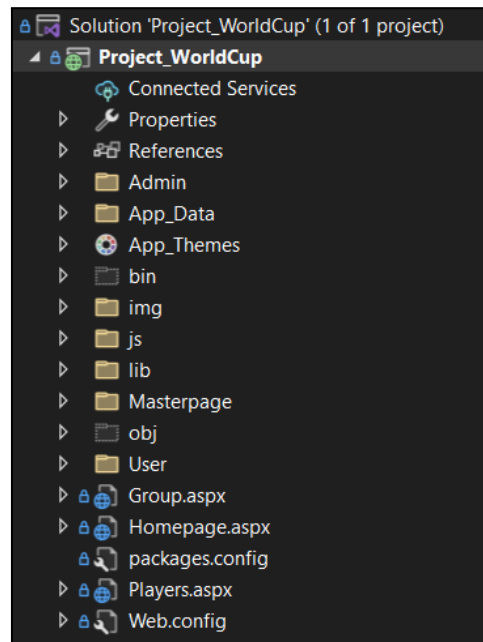


Figure 8 : Source Code Project

6.1 Registration

6.1.1 Design Form

[Admin FIFA QATAR](#)

- [Dashboard](#)
- [Add User](#)
- [Logout](#)

ContentPlaceHolder1 (Custom) h3

Manage User

- Error message 1.
- Error message 2.

Username	<input type="text"/>
First Name	<input type="text"/>
Last Name	<input type="text"/>
Password	<input type="password"/>
Confirm Password	<input type="password"/>
Role	<input type="text" value="Admin"/>
<input type="button" value="Save"/>	

[statusLbl]

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Figure 9 : Design Form Register User

6.1.12 Source Code Register

```
<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ErrorMessage="** Please insert your name"
    ControlToValidate="txtName">**</asp:RequiredFieldValidator>

<td>
    <asp:TextBox ID="txtName" runat="server" Height="33px" Width="170px"></asp:TextBox>
</td>
</tr>
<tr>
<td scope="row" class="auto-style2">First Name</td>
<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server" ErrorMessage="** Please insert your First
    Name" ControlToValidate="txtFirstName">**</asp:RequiredFieldValidator>
<td>
    <asp:TextBox ID="txtFirstName" runat="server" Height="33px" Width="170px"></asp:TextBox>
</td>
</tr>
<tr>
<td scope="row" class="auto-style2">Last Name</td>
<asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server" ErrorMessage="** Please insert your Last
    Name" ControlToValidate="txtLastName">**</asp:RequiredFieldValidator>
<td>
    <asp:TextBox ID="txtLastName" runat="server" Height="33px" Width="170px"></asp:TextBox>
</td>
</tr>
<tr>
<td scope="row" class="auto-style2">Password</td>
<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ErrorMessage="** Please insert your
    password" ControlToValidate="txtPw">**</asp:RequiredFieldValidator>
<td>
    <asp:TextBox ID="txtPw" runat="server" Height="33px" Width="170px" TextMode="Password"></asp:TextBox>
</td>
</tr>
<tr>
<td scope="row" class="auto-style2">Confirm Password</td>
<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" ErrorMessage="** Please insert confirm
    password" ControlToValidate="txtConfirmPw">**</asp:RequiredFieldValidator>
<td>
    <asp:TextBox ID="txtConfirmPw" runat="server" Height="33px" Width="170px" TextMode="Password"></asp:TextBox>
</td>
</tr>
<tr>
<td scope="row" class="auto-style2">Role</td>
<td>
    <asp:DropDownList ID="DropDownList1" runat="server" Height="33px" Width="177px">
        <asp:ListItem Value="admin" Text="Admin"></asp:ListItem>
        <asp:ListItem Value="user" Text="User"></asp:ListItem>
    </asp:DropDownList>
</td>
</tr>
<tr>
<td class="auto-style2"></td>
<td>
    <asp:Button ID="btnSave" class="button" runat="server" Text="Save" Width="87px" OnClick="btnSave_Click" /></td>
</tr>
</table>
</div>
<div style="margin-left: auto; margin-right: auto; text-align: center;">
    <asp:Label ID="statusLbl" runat="server" ForeColor="#CC0000"></asp:Label>
</div>
/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 System.Data;
8  using System.Data.SqlClient;
9  using System.Configuration;
10
11 namespace Project_WorldCup.Admin
12 {
13     2 references
14     public partial class frmadduser : System.Web.UI.Page
15     {
16         0 references
17         protected void Page_Load(object sender, EventArgs e)
18         {
19             if (Session["UserName"] == null)
20             {
21                 Response.Redirect("frmlogin.aspx");
22             }
23             else if (Session["UserRole"].Equals("user"))
24             {
25                 Response.Redirect("../User/frmnews.aspx");
26             }
27         }
28
29         0 references
30         protected void btnSave_Click(object sender, EventArgs e)
31         {
32             SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ToString());
33             SqlCommand cmd = new SqlCommand("insertUser", con);
34
35             cmd.CommandType = CommandType.StoredProcedure;
36             cmd.Parameters.AddWithValue("UserName", txtName.Text);
37             cmd.Parameters.AddWithValue("Pwd", txtPw.Text);
38             cmd.Parameters.AddWithValue("First_Name", txtFirstName.Text);
39             cmd.Parameters.AddWithValue("Last_Name", txtLastName.Text);
40             cmd.Parameters.AddWithValue("user_Role", DropDownList1.SelectedValue);
41
42             con.Open();
43
44             int k = cmd.ExecuteNonQuery();
45             if (k != 0)
46             {
47                 statusLbl.Text = "Successfully added into Database!";
48                 statusLbl.ForeColor = System.Drawing.Color.DarkViolet;
49             } else
50             {
51                 statusLbl.Text = "Adding user not successful. Please try again.";
52                 statusLbl.ForeColor = System.Drawing.Color.DarkRed;
53             }
54
55             con.Close();
56         }
57     }
58 }

```

Figure 10 : Source Code Form Register User

6.2 Login

6.2.1 Design Form Login



The image shows a login form titled "FIFA WORLD CUP Qatar 2022". At the top, there is a logo featuring a stylized white and red drop with intricate patterns. Below the logo, the text "FIFA WORLD CUP" is in a bold, sans-serif font, and "Qatar 2022" is in a larger, stylized font. The form is titled "Admin Login" in a bold, italicized font. It contains two input fields: "Username :" and "Password :". To the right of the "Username :" field, there is a red error message: "** Please insert you name". To the right of the "Password :" field, there is a red error message: "** Please insert your password". Below the input fields is a "Login" button. At the bottom right of the form, there is a red error message: "[invLbl]".

Figure 11 : Design Form Login

6.2.2 Source Code Login

```
<tr>
  <td class="auto-style1">
    <asp:Label ID="Label1" runat="server" Text="Username :" Font-Bold="True" >/asp:Label>
  </td>
  <td>
    <asp:TextBox ID="txtname" runat="server" Height="28px" Width="229px">/asp:TextBox>
  </td>
  <td>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="txtname"
      ErrorMessage="** Please insert you name" ForeColor="Red">/asp:RequiredFieldValidator>
  </td>
</tr>
<tr>
  <td class="auto-style1">
    <asp:Label ID="Label2" runat="server" Font-Bold="True" Text="Password :">/asp:Label>
  </td>
  <td>
    <asp:TextBox ID="txtpw" runat="server" TextMode="Password" Height="28px" Width="229px">/asp:TextBox>
  </td>
  <td>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ControlToValidate="txtpw"
      ErrorMessage="** Please insert your password" ForeColor="Red">/asp:RequiredFieldValidator>
  </td>
</tr>
<tr>
  <td></td>
  <td>
    <asp:Button ID="btnLogin" class="button" runat="server" Text="Login" OnClick="btnLogin_Click" />
  </td>
</tr>
</table>
<br />
<div style="margin-left: auto; margin-right: auto; text-align: center;">
  <asp:Label ID="invLbl" runat="server" ForeColor="#CC0000">/asp:Label>
</div>
```

```

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.Data.SqlClient;
8  using System.Configuration;
9
10 namespace Project_WorldCup.Admin
11 {
12     public partial class frmlogin : System.Web.UI.Page
13     {
14         protected void Page_Load(object sender, EventArgs e)
15         {
16         }
17     }
18
19     protected void btnLogin_Click(object sender, EventArgs e)
20     {
21         SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ToString());
22
23         try
24         {
25             string uid = txtname.Text;
26             string pass = txtpw.Text;
27             con.Open();
28             string qry = "select * from loginID where UserName='" + uid + "' and Pwd='" + pass + "'";
29             string userType = "";
30
31             SqlCommand cmd = new SqlCommand(qry, con);
32             SqlDataReader sdr = cmd.ExecuteReader();
33             if (sdr.Read())
34             {
35                 userType = sdr.GetString(5);
36                 Session["UserName"] = txtname.Text;
37                 Session["UserRole"] = userType;
38
39                 if (userType == "admin")
40                 {
41                     Response.Redirect("Dashboard.aspx");
42                 } else
43                 {
44                     Response.Redirect("../User/frmnews.aspx");
45                 }
46             }
47             else
48             {
49                 invLbl.Text = "Username and password does not match. Please try again or contact the admin.";
50             }
51             con.Close();
52         }
53         catch (Exception ex)
54         {
55             Response.Write(ex.Message);
56         }
57     }
58 }
59

```

Figure 13 : Source Code Login

6.3 Manage Football News

6.3.1 Design Form News

Manage News Football

Add News

News Title

News Content

[statusLbl]

Edit Existing News

	ID	News Title	News Content
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound

Figure 13 : Design Manage News

6.3.2 Source Code Manage News

```
<asp:SqlDataSource ID="newsDS" runat="server" ConflictDetection="CompareAllValues" ConnectionString="  
ConnectionStrings:ConnectionString" DeleteCommand="DELETE FROM [newsArticle] WHERE [Id] = @original_Id AND (([news] =  
@original_news) OR ([news] IS NULL AND @original_news IS NULL)) AND (([article] = @original_article) OR ([article] IS NULL  
AND @original_article IS NULL))" InsertCommand="INSERT INTO [newsArticle] ([news], [article]) VALUES (@news, @article)"  
OldValuesParameterFormatString="original_{0}" SelectCommand="SELECT * FROM [newsArticle]" UpdateCommand="UPDATE  
[newsArticle] SET [news] = @news, [article] = @article WHERE [Id] = @original_Id AND (([news] = @original_news) OR ([news]  
IS NULL AND @original_news IS NULL)) AND (([article] = @original_article) OR ([article] IS NULL AND @original_article IS  
NULL))">  
  <DeleteParameters>  
    <asp:Parameter Name="original_Id" Type="Int32" />  
    <asp:Parameter Name="original_news" Type="String" />  
    <asp:Parameter Name="original_article" Type="String" />  
  </DeleteParameters>  
  <InsertParameters>  
    <asp:Parameter Name="news" Type="String" />  
    <asp:Parameter Name="article" Type="String" />  
  </InsertParameters>  
  <UpdateParameters>  
    <asp:Parameter Name="news" Type="String" />  
    <asp:Parameter Name="article" Type="String" />  
    <asp:Parameter Name="original_Id" Type="Int32" />  
    <asp:Parameter Name="original_news" Type="String" />  
    <asp:Parameter Name="original_article" Type="String" />  
  </UpdateParameters>  
</asp:SqlDataSource>
```

```

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.Data;
8  using System.Data.SqlClient;
9  using System.Configuration;
10
11 namespace Project_WorldCup.User
12 {
13     1 reference
14     public partial class frmnews : System.Web.UI.Page
15     {
16         0 references
17         protected void Page_Load(object sender, EventArgs e)
18         {
19             if (Session["UserName"] == null)
20             {
21                 Response.Redirect("../Admin/frmlogin.aspx");
22             }
23             else if (Session["UserRole"].Equals("admin"))
24             {
25                 Response.Redirect("../Admin/Dashboard.aspx");
26             }
27         }
28
29         0 references
30         protected void btnSave_Click(object sender, EventArgs e)
31         {
32             SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ToString());
33             SqlCommand cmd = new SqlCommand("insertNews", con);
34
35             cmd.CommandType = CommandType.StoredProcedure;
36             cmd.Parameters.AddWithValue("news", titleTxt.Text);
37             cmd.Parameters.AddWithValue("article", contentTxt.Text);
38
39             con.Open();
40
41             int k = cmd.ExecuteNonQuery();
42             if (k != 0)
43             {
44                 statusLbl.Text = "Successfully added into Database!";
45                 statusLbl.ForeColor = System.Drawing.Color.DarkViolet;
46             }
47             else
48             {
49                 statusLbl.Text = "Adding user not successful. Please try again.";
50                 statusLbl.ForeColor = System.Drawing.Color.DarkRed;
51             }
52
53             con.Close();
54         }
55     }
56 }

```

Figure 14 : Source Code Manage News

6.4 Manage Groups

6.4.1 Design Form Group

Manage Group FIFA

Add New Team to Group

List Group
Databound
SqlDataSource - groupDS

Country
Databound
SqlDataSource - countryDS

Save

[statusLbl]

Edit Existing Groups

	ID	Team Group	Country
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound
Edit Delete	Databound	Databound	Databound

Figure 15 : Design Manage Group

6.4.2 Source Code Manage Group

```
<asp:GridView ID="GridView1" runat="server" AllowPaging="True" AutoGenerateColumns="False" BackColor="White"
BorderColor="#E7E7FF" BorderStyle="None" BorderWidth="1px" CellPadding="3" DataKeyNames="groupId"
DataSourceID="editGroupDS" GridLines="Horizontal" HorizontalAlign="Center" Width="88%">
<AlternatingRowStyle BackColor="#F7F7F7" />
<Columns>
<asp:CommandField ShowDeleteButton="True" ShowEditButton="True" />
<asp:BoundField DataField="groupId" HeaderText="ID" InsertVisible="False" ReadOnly="True"
SortExpression="groupId" />
<asp:BoundField DataField="teamGroup" HeaderText="Team Group" SortExpression="teamGroup" />
<asp:BoundField DataField="Country" HeaderText="Country" SortExpression="Country" />
</Columns>
<FooterStyle BackColor="#B5C7DE" ForeColor="#4A3C8C" />
<HeaderStyle BackColor="#6C51D7" Font-Bold="True" ForeColor="#F7F7F7" />
<PagerStyle BackColor="#E7E7FF" ForeColor="#4A3C8C" HorizontalAlign="Right" />
<RowStyle BackColor="#E7E7FF" ForeColor="#4A3C8C" />
<SelectedRowStyle BackColor="#738A9C" Font-Bold="True" ForeColor="#F7F7F7" />
<SortedAscendingCellStyle BackColor="#F4F4FD" />
<SortedAscendingHeaderStyle BackColor="#5A4C9D" />
<SortedDescendingCellStyle BackColor="#D8D8F8" />
<SortedDescendingHeaderStyle BackColor="#3E3277" />
</asp:GridView>
<asp:SqlDataSource ID="editGroupDS" runat="server" ConflictDetection="CompareAllValues" ConnectionString="
ConnectionStrings:ConnectionString" DeleteCommand="DELETE FROM [teamGroup] WHERE [groupId] = @original_groupId AND
[teamGroup] = @original_teamGroup AND [Country] = @original_Country" InsertCommand="INSERT INTO [teamGroup]
([teamGroup], [Country]) VALUES (@teamGroup, @Country)" OldValuesParameterFormatString="original_{0}"
SelectCommand="SELECT * FROM [teamGroup]" UpdateCommand="UPDATE [teamGroup] SET [teamGroup] = @teamGroup, [Country] =
@Country WHERE [groupId] = @original_groupId AND [teamGroup] = @original_teamGroup AND [Country] = @original_Country">
<DeleteParameters>
<asp:Parameter Name="original_groupId" Type="Int32" />
<asp:Parameter Name="original_teamGroup" Type="String" />
<asp:Parameter Name="original_Country" Type="String" />
</DeleteParameters>
<InsertParameters>
<asp:Parameter Name="teamGroup" Type="String" />
<asp:Parameter Name="Country" Type="String" />
</InsertParameters>
<UpdateParameters>
<asp:Parameter Name="teamGroup" Type="String" />
<asp:Parameter Name="Country" Type="String" />
<asp:Parameter Name="original_groupId" Type="Int32" />
<asp:Parameter Name="original_teamGroup" Type="String" />
<asp:Parameter Name="original_Country" Type="String" />
</UpdateParameters>
```

```

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.Data;
8  using System.Data.SqlClient;
9  using System.Configuration;
10
11 namespace Project_WorldCup.User
12 {
13     public partial class Group : System.Web.UI.Page
14     {
15         protected void Page_Load(object sender, EventArgs e)
16         {
17             if (Session["UserName"] == null)
18             {
19                 Response.Redirect("../Admin/frmllogin.aspx");
20             }
21             else if (Session["UserRole"].Equals("admin"))
22             {
23                 Response.Redirect("../Admin/Dashboard.aspx");
24             }
25         }
26
27         protected void btnSave_Click(object sender, EventArgs e)
28         {
29             SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ToString());
30             SqlCommand cmd = new SqlCommand("insertGroup", con);
31
32             cmd.CommandType = CommandType.StoredProcedure;
33             cmd.Parameters.AddWithValue("teamGroup", DropDownList1.SelectedValue);
34             cmd.Parameters.AddWithValue("Country", DropDownList2.SelectedValue);
35
36             con.Open();
37
38             int k = cmd.ExecuteNonQuery();
39             if (k != 0)
40             {
41                 statusLbl.Text = "Successfully added into Database!";
42                 statusLbl.ForeColor = System.Drawing.Color.DarkViolet;
43             }
44             else
45             {
46                 statusLbl.Text = "Adding user not successful. Please try again.";
47                 statusLbl.ForeColor = System.Drawing.Color.DarkRed;
48             }
49
50             con.Close();
51         }
52     }
53 }

```

Figure 16: Source Code Manage Group

6.5 Manage Players

6.5.1 Design Form Players

The design form includes a dropdown for 'Databound' and 'SqlDataSource - countryDS'. Below are input fields for 'Photo' (with a 'Browse...' button), 'Name', 'Jersey Number', 'Club', and 'Position' (with a dropdown showing 'Goalkeeper'). A 'Save' button is at the bottom. Below the form is a table titled 'Edit Existing Players' with columns: ID, Full Name, Country, Jersey #, Position, Club, and Photo. The table contains three rows of data, each with 'Databound' in the ID and Photo columns.

ID	Full Name	Country	Jersey #	Position	Club	Photo
Edit Delete Databound	Databound	Databound	Databound	Databound	Databound	Databound
Edit Delete Databound	Databound	Databound	Databound	Databound	Databound	Databound
Edit Delete Databound	Databound	Databound	Databound	Databound	Databound	Databound

Figure 17: Design Form Manage Group

6.5.2 Source Code Manage Players

```
<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" BackColor="White" BorderColor="#E7E7FF"
BorderStyle="None" BorderWidth="1px" CellPadding="3" DataKeyNames="playerID" DataSourceID="playersDS"
GridLines="Horizontal" HorizontalAlign="Center" Width="80%" AllowPaging="True">
  <AlternatingRowStyle BackColor="#F7F7F7" />
  <Columns>
    <asp:CommandField ShowDeleteButton="True" ShowEditButton="True" />
    <asp:BoundField DataField="playerID" HeaderText="ID" InsertVisible="False" ReadOnly="True"
SortExpression="playerID" />
    <asp:BoundField DataField="fullName" HeaderText="Full Name" SortExpression="fullName" />
    <asp:BoundField DataField="teamCountry" HeaderText="Country" SortExpression="teamCountry" />
    <asp:BoundField DataField="jerseyNum" HeaderText="Jersey #" SortExpression="jerseyNum" />
    <asp:BoundField DataField="position" HeaderText="Position" SortExpression="position" />
    <asp:BoundField DataField="Club" HeaderText="Club" SortExpression="Club" />
    <asp:BoundField DataField="photo" HeaderText="Photo" SortExpression="photo" />
  </Columns>
  <FooterStyle BackColor="#B5C7DE" ForeColor="#4A3C8C" />
  <HeaderStyle BackColor="#6C51D7" Font-Bold="True" ForeColor="#F7F7F7" />
  <PagerStyle BackColor="#E7E7FF" ForeColor="#4A3C8C" HorizontalAlign="Right" />
  <RowStyle BackColor="#E7E7FF" ForeColor="#4A3C8C" />
  <SelectedRowStyle BackColor="#738A9C" Font-Bold="True" ForeColor="#F7F7F7" />
  <SortedAscendingCellStyle BackColor="#F4F4FD" />
  <SortedAscendingHeaderStyle BackColor="#5A4C9D" />
  <SortedDescendingCellStyle BackColor="#D8D8F0" />
  <SortedDescendingHeaderStyle BackColor="#3E3277" />
</asp:GridView>
<asp:SqlDataSource ID="playersDS" runat="server" ConflictDetection="CompareAllValues" ConnectionString="???"
ConnectionString=ConnectionString DeleteCommand="DELETE FROM [teamPlayer] WHERE [playerID] = @original_playerID AND
[fullName] = @original_fullName AND [teamCountry] = @original_teamCountry AND [jerseyNum] = @original_jerseyNum AND
[position] = @original_position AND [Club] = @original_Club AND (([photo] = @original_photo) OR ([photo] IS NULL AND
@original_photo IS NULL))" InsertCommand="INSERT INTO [teamPlayer] ([fullName], [teamCountry], [jerseyNum], [position],
[Club], [photo]) VALUES (@fullName, @teamCountry, @jerseyNum, @position, @Club, @photo)"
OldValuesParameterFormatString="original_{0}" SelectCommand="SELECT * FROM [teamPlayer]" UpdateCommand="UPDATE
[teamPlayer] SET [fullName] = @fullName, [teamCountry] = @teamCountry, [jerseyNum] = @jerseyNum, [position] = @position,
[Club] = @Club, [photo] = @photo WHERE [playerID] = @original_playerID AND [fullName] = @original_fullName AND
[teamCountry] = @original_teamCountry AND [jerseyNum] = @original_jerseyNum AND [position] = @original_position AND
[Club] = @original_Club AND (([photo] = @original_photo) OR ([photo] IS NULL AND @original_photo IS NULL))">
  <DeleteParameters>
    <asp:Parameter Name="original_playerID" Type="Int32" />
    <asp:Parameter Name="original_fullName" Type="String" />
    <asp:Parameter Name="original_teamCountry" Type="String" />
    <asp:Parameter Name="original_jerseyNum" Type="Int32" />
    <asp:Parameter Name="original_position" Type="String" />
    <asp:Parameter Name="original_Club" Type="String" />
  </DeleteParameters>
  <InsertParameters>
    <asp:Parameter Name="fullName" Type="String" />
    <asp:Parameter Name="teamCountry" Type="String" />
    <asp:Parameter Name="jerseyNum" Type="Int32" />
    <asp:Parameter Name="position" Type="String" />
    <asp:Parameter Name="Club" Type="String" />
    <asp:Parameter Name="photo" Type="String" />
  </InsertParameters>
  <UpdateParameters>
    <asp:Parameter Name="fullName" Type="String" />
    <asp:Parameter Name="teamCountry" Type="String" />
    <asp:Parameter Name="jerseyNum" Type="Int32" />
    <asp:Parameter Name="position" Type="String" />
    <asp:Parameter Name="Club" Type="String" />
    <asp:Parameter Name="photo" Type="String" />
  </UpdateParameters>
</asp:SqlDataSource>
```



```

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.Data;
8 using System.Data.SqlClient;
9 using System.Configuration;
10 using System.IO;
11
12 namespace Project_WorldCup.User
13 {
14     1 reference
15     public partial class frmPlayers : System.Web.UI.Page
16     {
17         0 references
18         protected void Page_Load(object sender, EventArgs e)
19         {
20             if (Session["UserName"] == null)
21             {
22                 Response.Redirect("../Admin/frmlogin.aspx");
23             }
24             else if (Session["UserRole"].Equals("admin"))
25             {
26                 Response.Redirect("../Admin/Dashboard.aspx");
27             }
28         }
29
30         0 references
31         protected void btnSave_Click(object sender, EventArgs e)
32         {
33             SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ToString());
34             SqlCommand cmd = new SqlCommand("insertPlayer", con);
35
36             cmd.CommandType = CommandType.StoredProcedure;
37             cmd.Parameters.AddWithValue("fullName", nameTxt.Text);
38             cmd.Parameters.AddWithValue("teamCountry", DropDownList1.SelectedValue);
39             cmd.Parameters.AddWithValue("jerseyNum", jerseyTxt.Text);
40             cmd.Parameters.AddWithValue("position", DropDownList2.SelectedValue);
41             cmd.Parameters.AddWithValue("Club", clubTxt.Text);
42
43             if (photoFile.HasFile)
44             {
45                 string strname = photoFile.FileName.ToString();
46                 photoFile.PostedFile.SaveAs(Server.MapPath("~/img/player/" + strname));
47
48                 cmd.Parameters.AddWithValue("photo", strname);
49             }
50
51             con.Open();
52
53             int k = cmd.ExecuteNonQuery();
54             if (k != 0)
55             {
56                 statusLbl.Text = "Successfully added into Database!";
57                 statusLbl.ForeColor = System.Drawing.Color.DarkViolet;
58             }
59             else
60             {
61                 statusLbl.Text = "Adding user not successful. Please try again.";
62                 statusLbl.ForeColor = System.Drawing.Color.DarkRed;
63             }
64
65             con.Close();
66         }
67     }
68 }

```

Figure 18: Source Code Manage Players

6.6 View News

6.6.1 Design Form News Football

Football News

News
[Databound](#)

Databound

News
[Databound](#)

Databound

News
[Databound](#)

Databound

News
[Databound](#)

Databound

News
[Databound](#)

Databound

News
[Databound](#)

Figure 19: Design View News Football

6.6.2 Source Code View News Football

```
<ItemTemplate>
    <div class="col-lg-4 mb-5">
        <div class="card h-100 shadow border-0">
            <div class="card-body p-4">
                <div class="badge bg-primary bg-gradient rounded-pill mb-2">News</div>
                <a class="text-decoration-none link-dark stretched-link" href="#">
                    <div class="h5 card-title mb-3">
                        <asp:Label ID="newsLabel" runat="server" Text="<%# Eval("news") %>" /></div>
                    </a>
                    <p class="card-text mb-0">
                        <asp:Label ID="articleLabel" runat="server" Text="<%# Eval("article") %>" /></p>
                    </div>
                </div>
            </ItemTemplate>
        </asp:ListView>

        <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%# ConnectionStrings:ConnectionString %>"
            SelectCommand="SELECT [news], [article] FROM [newsArticle]"></asp:SqlDataSource>
    </div>
```

Figure 20: Source Code View News Football

6.7 View Groups

6.7.1 Design Form View News Football

ContentPlaceHolder1 (Custom)

- [Home](#)
- [Group](#)
- [List Players](#)
- [Login](#)

Groups FIFA

GROUP A

Team Group	Country
Databound	Databound
Databound	Databound
Databound	Databound
Databound	Databound
Databound	Databound

SqlDataSource - groupDSA

GROUP B

Team Group	Country
Databound	Databound
Databound	Databound
Databound	Databound
Databound	Databound
Databound	Databound

Figure 21: Design Form View Group

6.7.2 Source Code View Group

```
<div class="accordion-item">
  <h2 class="accordion-header" id="panelsStayOpen-headingOne">
    <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#panelsStayOpen-collapseOne" aria-expanded="true" aria-controls="panelsStayOpen-collapseOne">
      GROUP A
    </button>
  </h2>
  <div id="panelsStayOpen-collapseOne" class="accordion-collapse collapse show" aria-labelledby="panelsStayOpen-headingOne">
    <div class="accordion-body">
      <asp:GridView ID="GridView2" runat="server" AutoGenerateColumns="False" BackColor="White" BorderColor="#E7E7FF"
        BorderStyle="None" BorderWidth="1px" CellPadding="3" DataSourceID="groupDSA" GridLines="Horizontal"
        HorizontalAlign="Center" Width="58%">
        <AlternatingRowStyle BackColor="#F7F7F7" />
        <Columns>
          <asp:BoundField DataField="teamGroup" HeaderText="Team Group" SortExpression="teamGroup" />
          </asp:BoundField>
          <asp:BoundField DataField="Country" HeaderText="Country" SortExpression="Country" />
          </Columns>
          <FooterStyle BackColor="#B5C7DE" ForeColor="#4A3C8C" />
          <HeaderStyle BackColor="#6C51D7" Font-Bold="True" ForeColor="#F7F7F7" HorizontalAlign="Center" />
          <PagerStyle BackColor="#E7E7FF" ForeColor="#4A3C8C" HorizontalAlign="Right" />
          <RowStyle BackColor="#E7E7FF" ForeColor="#4A3C8C" HorizontalAlign="Center" />
          <SelectedRowStyle BackColor="#738A9C" Font-Bold="True" ForeColor="#F7F7F7" />
          <SortedAscendingCellStyle BackColor="#F4F4FD" />
          <SortedAscendingHeaderStyle BackColor="#5AUC9D" />
          <SortedDescendingCellStyle BackColor="#D8D8F8" />
          <SortedDescendingHeaderStyle BackColor="#3E3277" />
        </asp:GridView>
        <asp:SqlDataSource ID="groupDSA" runat="server" ConnectionString="%%" ConnectionStrings:ConnectionString %%"
          SelectCommand="SELECT [teamGroup], [Country] FROM [teamGroup] WHERE ([teamGroup] = @teamGroup)"
          <SelectParameters>
            <asp:Parameter DefaultValue="Group A" Name="teamGroup" Type="String" />
          </SelectParameters>
        </asp:SqlDataSource>
      </div>
    </div>
  </div>
```

Figure 22: Source Code View Group

6.8 View Players

6.8.1 Design Form View List Players

• [Home](#)

• [Group](#)

• [List Players](#)

• [Login](#)

ContentPlaceHolder1 (Custom)

Search :


SqlDataSource - DSCountry

Name	Country	Position	Jersey #	Club	Photo
Select Databound	Databound	Databound	Databound	Databound	
Select Databound	Databound	Databound	Databound	Databound	
Select Databound	Databound	Databound	Databound	Databound	
Select Databound	Databound	Databound	Databound	Databound	

Figure 23: Design Form View Players

6.8.2 Source Code View List Players

```

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="false" CellPadding="4" DataSourceID="DSPlayers"
ForeColor="#333333" GridLines="None" HorizontalAlign="Center" AllowPaging="true" AllowSorting="true">
  <AlternatingRowStyle BackColor="White" />
  <Columns>
    <asp:CommandField ShowSelectButton="true" />
    <asp:BoundField DataField="fullName" HeaderText="Name" SortExpression="fullName" />
    <asp:BoundField DataField="teamCountry" HeaderText="Country" SortExpression="teamCountry" />
    <asp:BoundField DataField="position" HeaderText="Position" SortExpression="position" />
    <asp:BoundField DataField="jerseyNum" HeaderText="Jersey #" SortExpression="jerseyNum" />
    <asp:BoundField DataField="Club" HeaderText="Club" SortExpression="Club" />
    <asp:TemplateField HeaderText="Photo">
      <ItemTemplate>
        <asp:Image ID="Image1" runat="server" ImageUrl='

```

Figure 24: Source Code View List Players

7.0 Interface Design

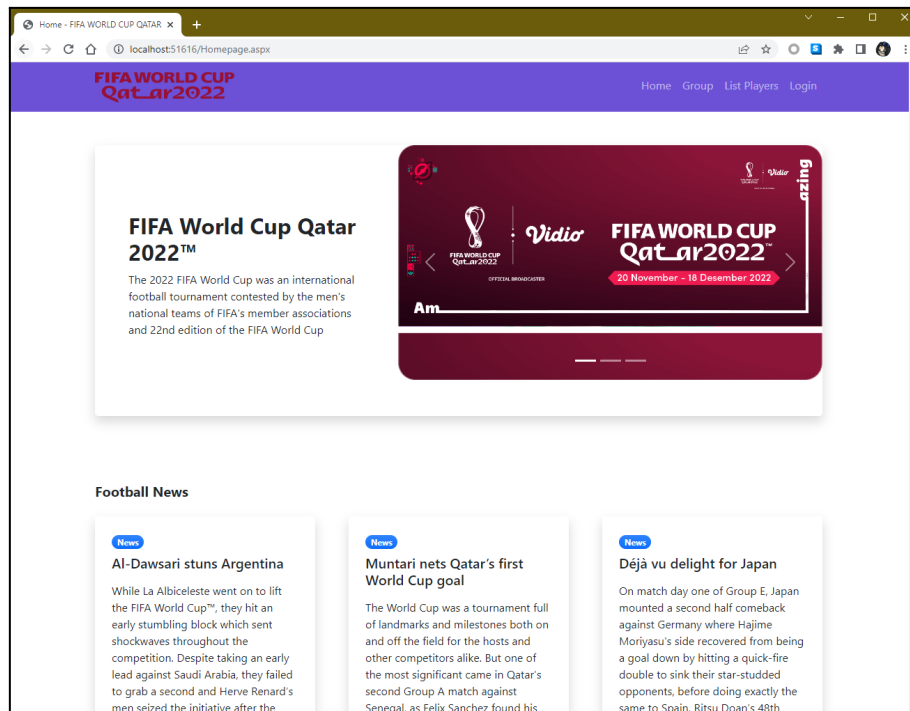


Figure 25 : Homepage

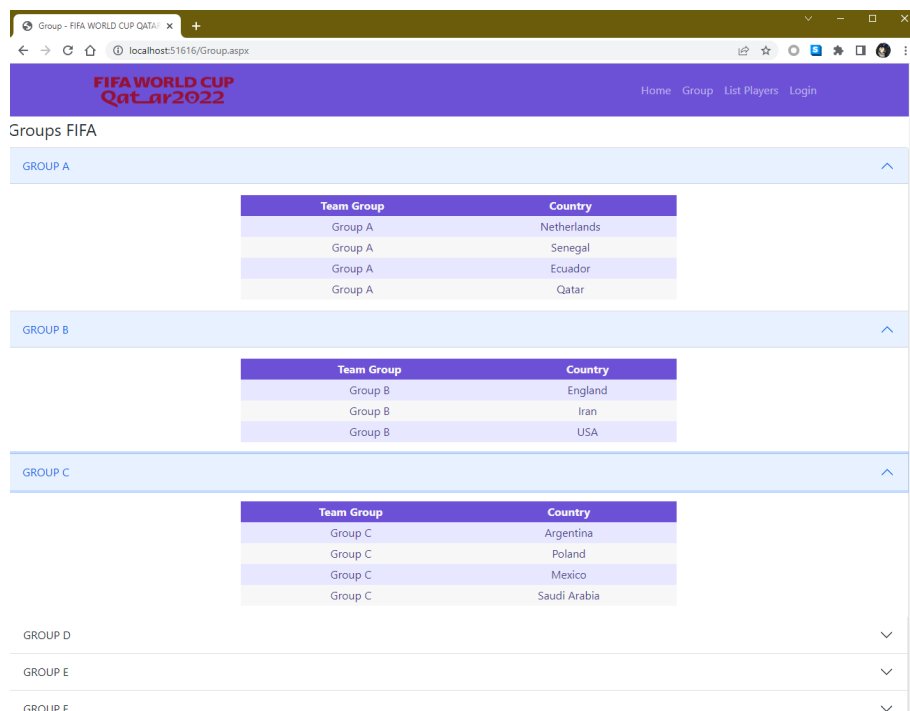


Figure 26 : Homepage > Groups











FIFA WORLD CUP Qatar2022						Home	Group	List Players	Login
Search : Argentina									
Select	Name	Country	Position	Jersey #	Club	Photo			
Select	Franco Armani	Argentina	GK	1	River Plate				
Select	Gerónimo Rulli	Argentina	GK	12	Villarreal				
Select	Emiliano Martínez	Argentina	GK	23	Aston Villa				
Select	Juan Foyth	Argentina	DF	2	Villarreal				
Select	Nicolás Tagliafico	Argentina	DF	3	Lyon				
Select	Gonzalo Montiel	Argentina	DF	4	Sevilla				
Select	Germán Pezzella	Argentina	DF	6	Real Betis				
Select	Marcos Acuña	Argentina	DF	8	Sevilla				
Select	Cristian Romero	Argentina	DF	13	Tottenham Hotspur				

Figure 27 : Homepage > List Players

Admin- Page Login

localhost:51616/Admin/frmllogin.aspx



**FIFA WORLD CUP
Qatar2022**

[Admin Login](#)

Username :

Password :

Figure 28 : Homepage > Login

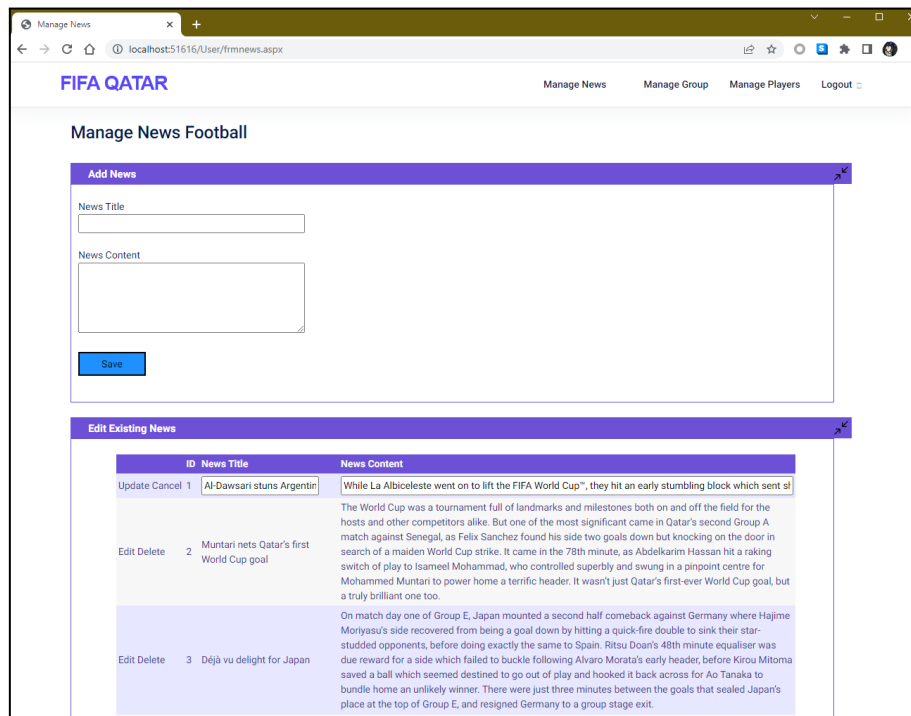


Figure 29 : Admin dashboard > Manage News

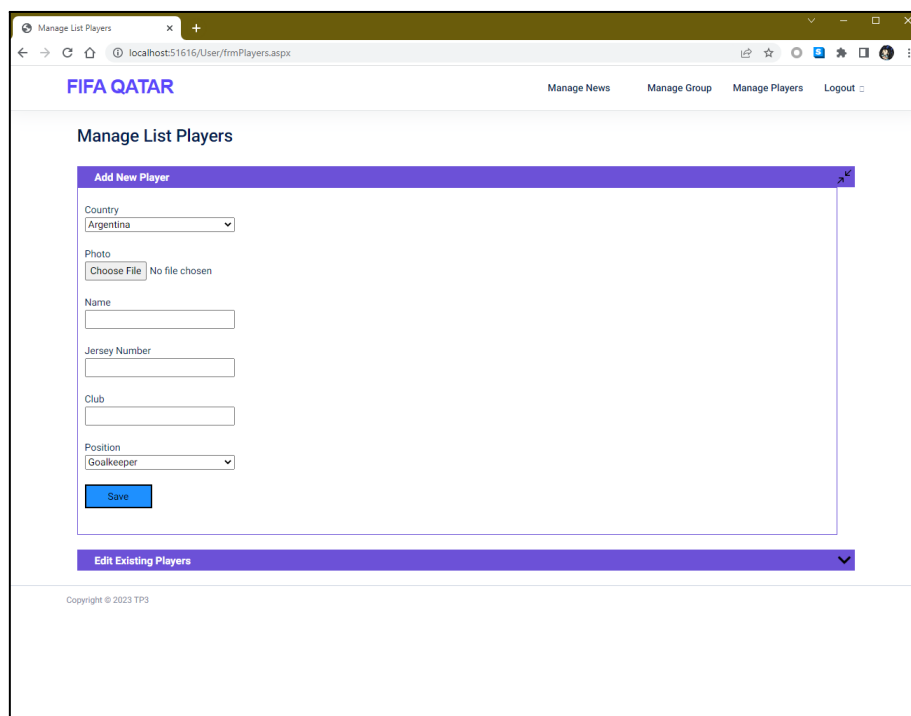


Figure 30 : Admin dashboard > Manage Players

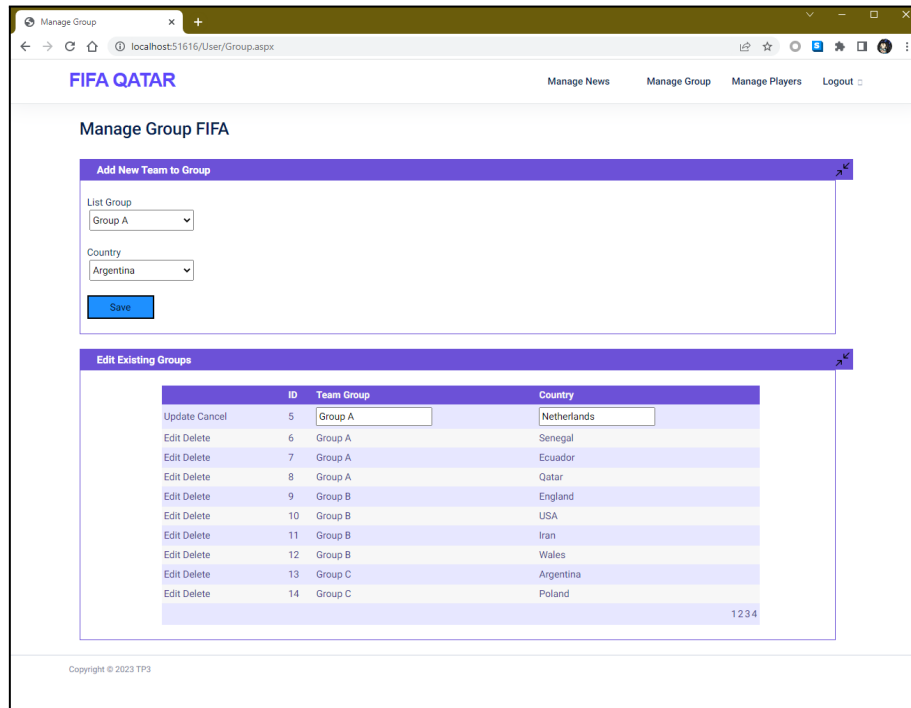


Figure 31 : Admin dashboard > Manage Group

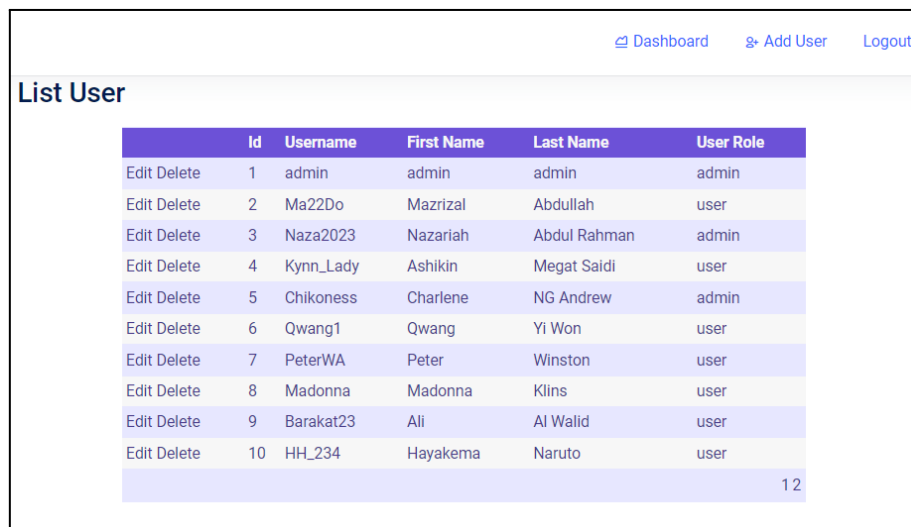


Figure 32 : Super admin dashboard

[Dashboard](#) [Add User](#) [Logout](#)

Manage User

Username	<input type="text"/>
First Name	<input type="text"/>
Last Name	<input type="text"/>
Password	<input type="password"/>
Confirm Password	<input type="password"/>
Role	<div>Admin</div>

Save

Figure 33 : Super admin dashboard > Add User