

Player Management System

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مدرستنا الثانوية الإنجليزية الشارقة - البنين
OUR OWN ENGLISH HIGH SCHOOL, SHARJAH - BOYS



CERTIFICATE

This is to certify that

_____ of Grade **XII** ____, Registration No

_____ has carried out the Project work in

Computer Science

during the academic year

_____ as prescribed by the

Central Board of Secondary Education, New Delhi, India.

Date of Examination: _____

**Signature of
External Examiner**

**Signature of
Internal Examiner**

Acknowledgements

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Introduction

Our project is based on a Player Statistical Management System where we enable our customers to list, view, sort and identify school football players and teams.

Users can register with us which helps them to know about the available or past bookings.

This project allows to insert, display, save, compare and manage player information.

This project taught us the real life application of such modules.

Objective and scope of the project

The Player Database program developed by my team gives an insight on how the management system of basic statistics and makes the application function efficiently. The following objectives were kept in mind while designing this program:

- 1. A general idea on the working of a hotel management system.*
- 2. Cutting short the processing time.*
- 3. To make ourselves understand the working of Python together with MySQL using database connectivity.*
- 4. To familiarize ourselves with the concepts of Python and MySQL*

- Spyder IDE

Spyder is an open source cross-platform integrated development environment (IDE) for scientific programming in the Python language. Spyder integrates with a number of prominent packages

in the scientific Python stack, including NumPy, Matplotlib, Pandas, and, as well as other open source software. It is released under the MIT license.

Initially created and developed by Pierre Raybaut in 2009, since 2012 Spyder has been maintained and continuously improved by a team of scientific Python developers and the community.

Spyder is extensible with first- and third-party plugins, includes support for interactive tools for data inspection and embeds Python-specific code quality assurance and introspection instruments, It is available cross-platform through Anaconda, on Windows, on macOS and on major Linux distributions such as Gentoo Linux openSUSE and Ubuntu.

Spyder uses Qt for its GUI, and is designed to use either of the PyQt or PySide Python bindings. QtPy, a thin abstraction layer developed by the Spyder project and later adopted by multiple other packages, provides the flexibility to use either backend.

Theoretical background of the project

- Python

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together.

Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse.

The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed. Often, programmers fall in love with Python because of the increased productivity it provides. Since there is no compilation step, the edit-test-debug cycle is incredibly fast. Debugging Python programs is easy: a bug or bad input will never cause a segmentation fault.

- MySQL

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses.

A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data. SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL. An RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups.

System implementation

1. Hardware specifications:

Dell – Laptop

Manufacturer: Dell

Model : Dell G15

Processor: 11th Gen Intel(R) Core(TM) i7-11800H @ GHz

Installed Memory: 9100 MB

System Type : Windows 11 Home 64-bit

2. Software specifications: ➤ Windows 11 Home Copyright © Microsoft 2022. All rights reserved

3. MySQL (8.0)

4. Spyder (Python 3.7)

5. Canva

System design and development

mysql.connector - The "mysql.connector" module helps connect Python with MySQL. In this program we have used:

- 1: *fetchall()*: *cursor.fetchall()* fetches all the rows of a query result .It returns all the rows as a list of tuples.
- 2: *mycon.cursor()*: Allows Python code to execute PostgreSQL command in a database session. Cursors are created by the *connection.cursor()* method.
- 3: *cursor.execute()*: This method executes the given database operation (query or command). The parameters found in the tuple or dictionary params are bound to the variables in the operation.
- 4: *mycon.commit()* : *mycon.commit()* method sends a COMMIT statement to the MySQL server, committing the current transaction.

MySQL tables used in this project:

```
mysql> show tables;
+-----+
| Tables_in_football |
+-----+
| goalkeepers         |
| player_data         |
| signup              |
| teams               |
+-----+
```

Table: signup

```
mysql> desc signup;
```

Field	Type	Null	Key	Default	Extra
username	varchar(20)	YES		NULL	
password	varchar(20)	YES		NULL	

Table: player_data

```
mysql> desc player_data;
```

Field	Type	Null	Key	Default	Extra
Player_Name	varchar(100)	YES		NULL	
Position	varchar(20)	YES		NULL	
Goals	int	YES		NULL	
Assists	int	YES		NULL	
Team	varchar(100)	YES		NULL	
Age	int	YES		NULL	

Table: goalkeepers

```
mysql> desc goalkeepers;
```

Field	Type	Null	Key	Default	Extra
Goalkeeper_Name	varchar(100)	YES		NULL	
Saves	int	YES		NULL	
Team	varchar(100)	YES		NULL	
Age	int	YES		NULL	

Table: teams

```
mysql> desc teams;
```

Field	Type	Null	Key	Default	Extra
Team_Name	varchar(100)	YES		NULL	
Titles_Won	int	YES		NULL	
Total_Goals	int	YES		NULL	
Manager	varchar(100)	YES		NULL	

Source Code

Import statements:

```
import mysql.connector as ms
```

```
import mysql.connector as ms  
mycon=ms.connect(host='localhost',user='root',  
passwd='oob')  
mycur=mycon.cursor()  
mycur.execute("create database if not exists  
football")  
mycur.execute("use football")
```

```
mycur.execute("create table if not exists  
Player_Data(Player_Name varchar(100),Position  
varchar(20),Goals int,Assists int,Team  
varchar(100),Age int)")  
mycur.execute("create table if not exists  
Teams(Team_Name varchar(100),Titles_Won  
int,Total_Goals int,Manager varchar(100))")  
mycur.execute("create table if not exists  
Goalkeepers(Goalkeeper_Name  
varchar(100),Saves int,Team varchar(100),Age  
int)")  
mycon.commit()
```

```
mycur.execute("create table if not exists  
signup(username varchar(20),password  
varchar(20))")
```

SignUp:

```
while True:
    print("1:Signup")
    print("2:Login")
    ch=int(input("SIGNUP/LOGIN(1,2):"))
#SIGNUP
    if ch==1:
        username=input("USERNAME (Limit - 20 Characters): ")
        pw=input("PASSWORD (Limit - 20 Characters): ")
        mycur.execute("insert into signup
values('"+username+"','"+pw+"')")
        mycon.commit()
#LOGIN
    elif ch==2:
        username=input("USERNAME:")
        mycur.execute("select username from signup where
username='"+username+"'")
        ur=mycur.fetchone()
        if ur is not None:
            print("---VALID USERNAME---")
            pw=input("PASSWORD:")
            mycur.execute("select password from signup where
password='"+pw+"'")
            a=mycur.fetchone()
            if a is not None:
                print("-----LOGIN SUCCESSFULL-----")
```

Menu:

```
a = 'y'
while a == 'y':
    print('WELCOME')

    print('Choose your option')

    print('1.Player Data')

    print('2.Goalkeeper Data')

    print('3.Team Data')

    ch=int(input("Enter your option: "))
```


Player Data:

```
if ch == 1:
    print('1.Enter Player Data')
    print('2.Update Player Data')
    print('3.Delete Player Data')
    print('4.Display Player Leaderboard (Ranked)')
    print('5.Display all Players Data')

    op=int(input('Enter your option: '))

    if op==1:
        Player_Name=input("Enter Player Name: ")
        Position=input("Enter Position: ")
        Goals=int(input("Enter No. of Goals: "))
        Assists=int(input("Enter No. of Assists: "))
        Team=input("Enter Team: ")
        Age=int(input('Enter Age: '))

        mycur.execute("insert into Player_Data values('%s','%s',%s,%s,'%s',%s)"%
(Player_Name,Position,Goals,Assists,Team,Age))
        mycon.commit()

    elif op==2:
        p=input("Enter Player whose details have to be updated: ")
        print("What do you want to update")
        print("1.Goals")
        print("2.Assists")
        print("3.Team")
        print("4.Age")

        op=int(input('Enter your option: '))

        if op==1:
            g=input('Enter No. of Goals: ')
            mycur.execute("update Player_Data set Goals='"+g+"' where Player_Name='"+p+"' ")
            mycon.commit()
        elif op==2:
            a=input("Enter No. of Assists: ")
            mycur.execute("update Player_Data set Assists='"+a+"' where Player_Name='"+p+"' ")
            mycon.commit()
        elif op==3:
            t=input('Enter New Team: ')
            mycur.execute("update Player_Data set Team='"+t+"' where Player_Name='"+p+"' ")
            mycon.commit()
        elif op==4:
            a=input('Enter Age: ')
            mycur.execute("update Player_Data set Age='"+a+"' where Player_Name='"+p+"' ")
            mycon.commit()

    elif op==3:
        p=input("Enter Player whose details have to be deleted: ")
        mycur.execute("delete from Player_Data where Player_Name='"+p+"'")
        mycon.commit()

    elif op==4:
        mycur.execute("select * from Player_Data order by Goals desc")
        mydata=mycur.fetchall()
        print(mydata)

    elif op==5:
        mycur.execute("select * from Player_Data")
        mydata=mycur.fetchall()
        print(mydata)
```

Goalkeepers:

```
elif ch==2:
    print('1.Enter Goalkeeper Data')
    print('2.Update Goalkeeper Data')
    print('3.Delete Goalkeeper Data')
    print('4.Display Goalkeeper Leaderboard (Ranked)')
    print('5.Display all Goalkeeper Data')

    op=int(input('Enter your option: '))

    if op==1:
        Goalkeeper_Name=input('Enter Goalkeeper Name: ')
        Saves=int(input('Enter No of Saves: '))
        Team=input('Enter Team Name: ')
        Age=int(input('Enter Age: '))

        mycur.execute("insert into Goalkeepers values('%s',%s,'%s',%s)"%
(Goalkeeper_Name,Saves,Team,Age))
        mycon.commit()

    elif op==2:
        g=input("Enter Goalkeeper whose details have to be updated: ")
        print("What do you want to updated")
        print("1.Saves")
        print("2.Team")
        print("3.Age")

        op=int(input('Enter your option: '))

        if op==1:
            s=input('Enter No. of Saves: ')
            mycur.execute("update Goalkeepers set Saves='"+s+"' where Goalkeeper_Name='"+g+"' ")
            mycon.commit()
        elif op==2:
            t=input('Enter New Team: ')
            mycur.execute("update Goalkeepers set Team='"+t+"' where Goalkeeper_Name='"+g+"'")
            mycon.commit()
        elif op==3:
            a=input('Enter Age: ')
            mycur.execute("update Goalkeepers set Age='"+a+"' where Goalkeeper_Name='"+g+"'")
            mycon.commit()

    elif op==3:
        g=input("Enter Goalkeeper whose details have to be deleted: ")
        mycur.execute("delete from Goalkeepers where Goalkeeper_Name='"+g+"'")
        mycon.commit()

    elif op==4:
        mycur.execute("select * from Goalkeepers order by Saves desc")
        mydata=mycur.fetchall()
        print(mydata)

    elif op==5:
        mycur.execute("select * from Goalkeepers")
        mydata=mycur.fetchall()
        print(mydata)
```

Teams:

```
elif ch==3:
    print('1.Enter Team Data')
    print('2.Update Team Data')
    print('3.Delete Team Data')
    print('4.Display Team Leaderboard (Ranked)')
    print('5.Display all the Teams Data')

    op=int(input('Enter your option: '))

    if op==1:
        Team_Name=input('Enter Team Name: ')
        Titles_Won=int(input('Enter No. of Titles Won: '))
        Total_Goals=int(input('Enter No. of Total Goals: '))
        Manager=input('Enter Manager Name: ')

        mycur.execute("insert into teams values('%s',%s,%s,'%s')"%(Team_Name,Titles_Won,Total_Goals,Manager))
        mycon.commit()

    elif op==2:
        t=input("Enter Team Name whose deatils have to be updated: ")
        print("What to be updated?")
        print("1.Team Name")
        print("2.Titles Won")
        print("3.Total Goals")
        print("4.Manager")

        op=int(input('Enter your option: '))

        if op==1:
            tn=input('Enter New Team Name: ')
            mycur.execute("update teams set Team_Name='"+tn+"' where Team_Name='"+t+"'")
            mycon.commit()

        elif op==2:
            tw=input('Enter No. of Titles Won: ')
            mycur.execute("update teams set Titles_Won='"+tw+"' where Team_Name='"+t+"'")
            mycon.commit()

        elif op==3:
            g=input('Enter No. of Total Goals: ')
            mycur.execute("update teams set Total_Goals='"+g+"' where Team_Name='"+t+"'")
            mycon.commit()

        elif op==4:
            m=input('Enter New Manager: ')
            mycur.execute("update teams set Manager='"+m+"' where Team_Name='"+t+"'")
            mycon.commit()

    elif op==3:
        tn=input("Enter Team Name whose details have to be deleted: ")
        mycur.execute("delete from teams where Team_Name='"+tn+"'")
        mycon.commit()

    elif op==4:
        mycur.execute("select * from teams order by Titles_Won desc")
        mydata=mycur.fetchall()
        print(mydata)

    elif op==5:
        mycur.execute("select * from teams")
        mydata=mycur.fetchall()
        print(mydata)

    a=input('Do you want to continue? y/n: ')

    if a=='n':
        break
```

Teams:

```
elif ch==3:
    print('1.Enter Team Data')
    print('2.Update Team Data')
    print('3.Delete Team Data')
    print('4.Display Team Leaderboard (Ranked)')
    print('5.Display all the Teams Data')

    op=int(input('Enter your option: '))

    if op==1:
        Team_Name=input('Enter Team Name: ')
        Titles_Won=int(input('Enter No. of Titles Won: '))
        Total_Goals=int(input('Enter No. of Total Goals: '))
        Manager=input('Enter Manager Name: ')

        mycur.execute("insert into teams values('%s',%s,%s,'%s')"%(Team_Name,Titles_Won,Total_Goals,Manager))
        mycon.commit()

    elif op==2:
        t=input("Enter Team Name whose deatils have to be updated: ")
        print("What to be updated?")
        print("1.Team Name")
        print("2.Titles Won")
        print("3.Total Goals")
        print("4.Manager")

        op=int(input('Enter your option: '))

        if op==1:
            tn=input('Enter New Team Name: ')
            mycur.execute("update teams set Team_Name='"+tn+"' where Team_Name='"+t+"'")
            mycon.commit()

        elif op==2:
            tw=input('Enter No. of Titles Won: ')
            mycur.execute("update teams set Titles_Won='"+tw+"' where Team_Name='"+t+"'")
            mycon.commit()

        elif op==3:
            g=input('Enter No. of Total Goals: ')
            mycur.execute("update teams set Total_Goals='"+g+"' where Team_Name='"+t+"'")
            mycon.commit()

        elif op==4:
            m=input('Enter New Manager: ')
            mycur.execute("update teams set Manager='"+m+"' where Team_Name='"+t+"'")
            mycon.commit()

    elif op==3:
        tn=input("Enter Team Name whose details have to be deleted: ")
        mycur.execute("delete from teams where Team_Name='"+tn+"'")
        mycon.commit()

    elif op==4:
        mycur.execute("select * from teams order by Titles_Won desc")
        mydata=mycur.fetchall()
        print(mydata)

    elif op==5:
        mycur.execute("select * from teams")
        mydata=mycur.fetchall()
        print(mydata)

    a=input('Do you want to continue? y/n: ')

    if a=='n':
        break
```

Output

1:Signup

2:Login

SIGNUP/LOGIN(1,2):1

USERNAME (Limit - 20 Characters): test123

PASSWORD (Limit - 20 Characters): test123

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 1

1.Enter Player Data

2.Update Player Data

3.Delete Player Data

4.Display Player Leaderboard (Ranked)

5.Display all Players Data

Enter your option: 1

Enter Player_Name: Messi

Enter Position: striker

Enter No. of Goals: 91

Enter No. of Assists: 44

Enter Team: PSG

Enter Age: 35

Do you want to continue? y/n: y

WELCOME

Choose your option

- 1.Player Data
- 2.Goalkeeper Data
- 3.Team Data

Enter your option: 1

- 1.Enter Player Data
- 2.Update Player Data
- 3.Delete Player Data
- 4.Display Player Leaderboard (Ranked)
- 5.Display all Players Data

Enter your option: 2

Enter Player whose details have to be updated: Messi

What do you want to update

- 1.Goals
- 2.Assists
- 3.Team
- 4.Age

Enter your option: 1

Enter No. of Goals: 100

Do you want to continue? y/n: y

WELCOME

Choose your option

- 1.Player Data
- 2.Goalkeeper Data
- 3.Team Data

Enter your option: 1

- 1.Enter Player Data
- 2.Update Player Data
- 3.Delete Player Data
- 4.Display Player Leaderboard (Ranked)
- 5.Display all Players Data

Enter your option: 2

Enter Player whose details have to be updated: Messi

What do you want to update

- 1.Goals
- 2.Assists
- 3.Team
- 4.Age

Enter your option: 2

Enter No. of Assists: 60

Do you want to continue? y/n: y

WELCOME

Choose your option

- 1.Player Data
- 2.Goalkeeper Data
- 3.Team Data

Enter your option: 1

- 1.Enter Player Data
- 2.Update Player Data
- 3.Delete Player Data
- 4.Display Player Leaderboard (Ranked)
- 5.Display all Players Data

Enter your option: 2

Enter Player whose details have to be updated: Messi

What do you want to update

- 1.Goals
- 2.Assists
- 3.Team
- 4.Age

Enter your option: 1

Enter No. of Goals: 100

Do you want to continue? y/n: y

WELCOME

Choose your option

- 1.Player Data
- 2.Goalkeeper Data
- 3.Team Data

Enter your option: 1

- 1.Enter Player Data
- 2.Update Player Data
- 3.Delete Player Data
- 4.Display Player Leaderboard (Ranked)
- 5.Display all Players Data

Enter your option: 2

Enter Player whose details have to be updated: Messi

What do you want to update

- 1.Goals
- 2.Assists
- 3.Team
- 4.Age

Enter your option: 2

Enter No. of Assists: 60

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 1

1.Enter Player Data

2.Update Player Data

3.Delete Player Data

4.Display Player Leaderboard (Ranked)

5.Display all Players Data

Enter your option: 2

Enter Player whose details have to be updated: Messi

What do you want to update

1.Goals

2.Assists

3.Team

4.Age

Enter your option: 3

Enter New Team: FCB

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 1

1.Enter Player Data

2.Update Player Data

3.Delete Player Data

4.Display Player Leaderboard (Ranked)

5.Display all Players Data

Enter your option: 2

Enter Player whose details have to be updated: Messi

What do you want to update

1.Goals

2.Assists

3.Team

4.Age

Enter your option: 4

Enter Age: 37

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 1

1.Enter Player Data

2.Update Player Data

3.Delete Player Data

4.Display Player Leaderboard (Ranked)

5.Display all Players Data

Enter your option: 3

Enter Player whose details have to be deleted: sui

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 1

1.Enter Player Data

2.Update Player Data

3.Delete Player Data

4.Display Player Leaderboard (Ranked)

5.Display all Players Data

Enter your option: 3

Enter Player whose details have to be deleted: n

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 1

1.Enter Player Data

2.Update Player Data

3.Delete Player Data

4.Display Player Leaderboard (Ranked)

5.Display all Players Data

Enter your option: 4

[('Messi', 'striker', 100, 60, 'FCB', 37), ('Ronaldo', 'striker', 69, 20, 'Real Madrid', 37), ('ray', 'st', 11, 11, 'fcb', 12)]

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 1

1.Enter Player Data

2.Update Player Data

3.Delete Player Data

4.Display Player Leaderboard (Ranked)

5.Display all Players Data

Enter your option: 5

[('ray', 'st', 11, 11, 'fcb', 12), ('Messi', 'striker', 100, 60, 'FCB', 37), ('Ronaldo', 'striker', 69, 20, 'Real Madrid', 37)]

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 1

1.Enter Player Data

2.Update Player Data

3.Delete Player Data

4.Display Player Leaderboard (Ranked)

5.Display all Players Data

Enter your option: 3

Enter Player whose details have to be deleted: ray

Do you want to continue? y/n: y

WWELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 2

1.Enter Goalkeeper Data

2.Update Goalkeeper Data

3.Delete Goalkeeper Data

4.Display Goalkeeper Leaderboard (Ranked)

5.Display all Goalkeeper Data

Enter your option: 1

Enter Goalkeeper Name: Rueben

Enter No of Saves: 12

Enter Team Name: PSG

Enter Age: 26

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 2

1.Enter Goalkeeper Data

2.Update Goalkeeper Data

3.Delete Goalkeeper Data

4.Display Goalkeeper Leaderboard (Ranked)

5.Display all Goalkeeper Data

Enter your option: 1

Enter Goalkeeper Name: Aaron

Enter No of Saves: 17

Enter Team Name: FCB

Enter Age: 29

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 2

1.Enter Goalkeeper Data

2.Update Goalkeeper Data

3.Delete Goalkeeper Data

4.Display Goalkeeper Leaderboard (Ranked)

5.Display all Goalkeeper Data

Enter your option: 2

Enter Goalkeeper whose details have to be updated: Rueben

What do you want to updated

1.Saves

2.Team

3.Age

Enter your option: 1

Enter No. of Saves: 20

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 2

1.Enter Goalkeeper Data

2.Update Goalkeeper Data

3.Delete Goalkeeper Data

4.Display Goalkeeper Leaderboard (Ranked)

5.Display all Goalkeeper Data

Enter your option: 2

Enter Goalkeeper whose details have to be updated: Rueben

What do you want to updated

1.Saves

2.Team

3.Age

Enter your option: 2

Enter New Team: Real Madrid

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 2

1.Enter Goalkeeper Data

2.Update Goalkeeper Data

3.Delete Goalkeeper Data

4.Display Goalkeeper Leaderboard (Ranked)

5.Display all Goalkeeper Data

Enter your option: 2

Enter Goalkeeper whose details have to be updated: Rueben

What do you want to updated

1.Saves

2.Team

3.Age

Enter your option: 3

Enter Age: 31

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 2

1.Enter Goalkeeper Data

2.Update Goalkeeper Data

3.Delete Goalkeeper Data

4.Display Goalkeeper Leaderboard (Ranked)

5.Display all Goalkeeper Data

Enter your option: 4

[('Rueben', 20, 'Real Madrid', 31), ('Aaron', 17, 'FCB', 29)]

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 2

1.Enter Goalkeeper Data

2.Update Goalkeeper Data

3.Delete Goalkeeper Data

4.Display Goalkeeper Leaderboard (Ranked)

5.Display all Goalkeeper Data

Enter your option: 5

[('Rueben', 20, 'Real Madrid', 31), ('Aaron', 17, 'FCB', 29)]

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 2

1.Enter Goalkeeper Data

2.Update Goalkeeper Data

3.Delete Goalkeeper Data

4.Display Goalkeeper Leaderboard (Ranked)

5.Display all Goalkeeper Data

Enter your option: 3

Enter Goalkeeper whose details have to be deleted: Aaron

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 3

1.Enter Team Data

2.Update Team Data

3.Delete Team Data

4.Display Team Leaderboard (Ranked)

5.Display all the Teams Data

Enter your option: 1

Enter Team Name: FC Barcelona

Enter No. of Titles Won: 80

Enter No. of Total Goals: 120

Enter Manager Name: Xavi

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 3

1.Enter Team Data

2.Update Team Data

3.Delete Team Data

4.Display Team Leaderboard (Ranked)

5.Display all the Teams Data

Enter your option: 1

Enter Team Name: Real Madrid

Enter No. of Titles Won: 70

Enter No. of Total Goals: 130

Enter Manager Name: Zidane

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 3

1.Enter Team Data

2.Update Team Data

3.Delete Team Data

4.Display Team Leaderboard (Ranked)

5.Display all the Teams Data

Enter your option: 2

Enter Team Name whose deatils have to be updated: Real Madrid

What to be updated?

1.Team Name

2.Titles Won

3.Total Goals

4.Manager

Enter your option: 1

Enter New Team Name: Real Madrid FC

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 3

1.Enter Team Data

2.Update Team Data

3.Delete Team Data

4.Display Team Leaderboard (Ranked)

5.Display all the Teams Data

Enter your option: 2

Enter Team Name whose deatils have to be updated: Real Madrid FC

What to be updated?

1.Team Name

2.Titles Won

3.Total Goals

4.Manager

Enter your option: 2

Enter No. of Titles Won: 74

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 3

1.Enter Team Data

2.Update Team Data

3.Delete Team Data

4.Display Team Leaderboard (Ranked)

5.Display all the Teams Data

Enter your option: 2

Enter Team Name whose deatils have to be updated: Real Madrid FC

What to be updated?

1.Team Name

2.Titles Won

3.Total Goals

4.Manager

Enter your option: 3

Enter No. of Total Goals: 141

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 3

1.Enter Team Data

2.Update Team Data

3.Delete Team Data

4.Display Team Leaderboard (Ranked)

5.Display all the Teams Data

Enter your option: 2

Enter Team Name whose deatils have to be updated: Real Madrid FC

What to be updated?

1.Team Name

2.Titles Won

3.Total Goals

4.Manager

Enter your option: 4

Enter New Manager: Mourinho

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 3

1.Enter Team Data

2.Update Team Data

3.Delete Team Data

4.Display Team Leaderboard (Ranked)

5.Display all the Teams Data

Enter your option: 4

[('FC Barcelona', 80, 120, 'Xavi'), ('Real Madrid FC', 74, 141, 'Mourinho')]

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 3

1.Enter Team Data

2.Update Team Data

3.Delete Team Data

4.Display Team Leaderboard (Ranked)

5.Display all the Teams Data

Enter your option: 5

[('FC Barcelona', 80, 120, 'Xavi'), ('Real Madrid FC', 74, 141, 'Mourinho')]

Do you want to continue? y/n: y

WELCOME

Choose your option

1.Player Data

2.Goalkeeper Data

3.Team Data

Enter your option: 3

1.Enter Team Data

2.Update Team Data

3.Delete Team Data

4.Display Team Leaderboard (Ranked)

5.Display all the Teams Data

Enter your option: 3

Enter Team Name whose details have to be deleted: Real Madrid FC

Do you want to continue? y/n: n

Conclusion and Futurescope

After successfully completing our project on the Player Management system, we have verified that we have met all the objectives for the project.

The procedure followed in the project is very simple, advantageous. The code has been put to several tests and has confirmed that there are no drawbacks or technical errors.

We had put to use all the help that was given to me by my friends and my teacher and I am deeply grateful to them.

Thank You!