DATABASE MANAGEMENT SYSTEMS PROJECT
CSE 370

Project Name: FIFA World Cup

1.

Introduction :

Our DBMS project is based on Fifa World Cup website management. It provides various information about the various teams participating in the World Cup, in which all the major countries participate in. It also provides us with information about the various players participating in the tournament . The database contains details of players, teams and venues among others. All the useful

information about the entire World Cup can be found here. Also features about a fantasy team is added in the project.
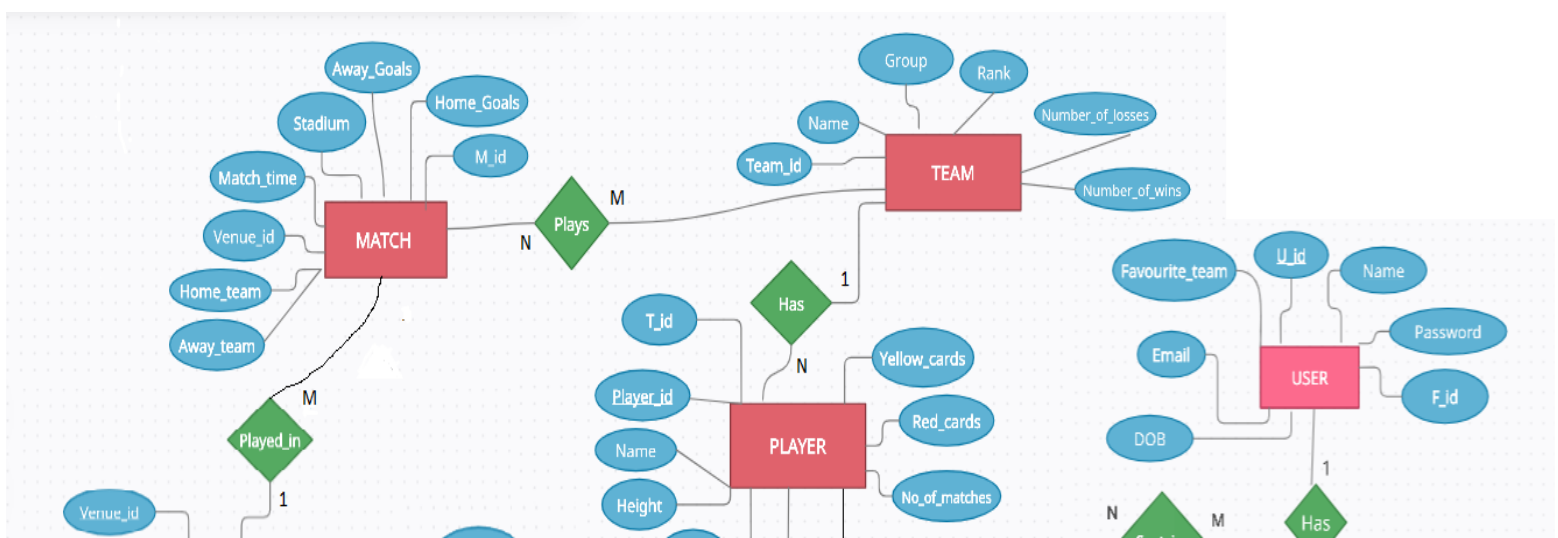
Data Requirements:

Entities:

1. Team is an entity type which has many attributes like Team Name which uses the data type varchar. Every team has been given a **Team ID** which is the primary key which is of data type integer. Groups, Name, Rank, Number of Wins and Number of Losses are the other attributes. In these Rank, Number of Wins and Number of Losses are of integer type and Groups and Name are of varchar type. Team id Primary key cannot have null value.

2. Players is an entity type which has an attribute, P_id which is of the data type integer. It is the primary key, which cannot have null value. It has two foreign key, F_ID which is the primary key of the entity, Fantasy_team and team_id which is the primary key of the entity,team. The other attributes are name, height, number of matches, Y_cards, R_cards.

3. Goalkeeper is an entity type which has the attributes – P_id, type, cleansheets, saves, conceded. All of these attributes are of the data type number except type.

4. Outfielder is an entity type which has the attributes – P_id, type, cleansheets, goals, goals. All of these attributes are of the data type number except type.

5. Matches is an entity type with a primary key, M_ID, of integer data type. It has attributes like Home_goals, Away_goals, Stadium, Match_time, Home_team and Away_Team of data type varchar.It has a foreign keys,V_id from venues.

6. Venues is an entity type with a primary key, V_id, of integer data type. It has attributes like name, capacity, remianing_seats, booked_seats, matches_played, vip_ticket_price and economy_ticket_price.

7. Fantasy_teams is an entity type with a primary key, F_id, of integer data type. It has attributes like F_team_name, points, budget_spent,budget_remaining, transfer_remaining.

8. User is an entity type which has many attributes like namewhich uses the data type varchar. Every team has been given a U_ID which is the primary key which is of data type integer. email, DOB, password, favourite_team and F_id are the other attributes. Team id Primary key cannot have null value.There is one foreign id which is F_id.

9. Players_in is a relational entity, where there are two primary attribute which are team_id and M_id, which both are foreign id.

Features:

Feature-1	Feature-2	Feature-3	Feature-4	Feature-5
Add new account	Admin update	Team leader Board	Venue info	Fantasy team build
login	Search for player	Sort leaderboard after match	Seat status	Point Update
password change/ reset	match history	Sort Team rank	Ticket purchase	Show fantasy stat
Update selective user info (User)	showing upcoming match	Team Info	ticket selection or reservation	Fantasy User/Player Rank Sort
Update all user info (Admin)	Countdown using match date	player info	Ticket cancellation	Fantasy Head To Head Challenge

EER Diagram:

Schema Diagram:

USER

User_id	Name	Email	DOB	Password	Fav_id	F_id

TEAM

Team_id	Name	Group	Rank	No_of_wins	No_of_loss

PLAYER

P_id	Name	Height	No_of_matches	Y_cards	R_cards	Team_id	F_id

Contribution Summary:

Dipak Debnath Arka	Sad Md. Tafhim	Farhan Akbor Khan	Avizit Sarkar	Riead Hasan Khan

Idea of Features, EER, Database, Feature1	Idea of Features, EER, Schema, Database, Feature2	Idea of Features, EER, Schema, Database, Feature3	Feature 5	Idea of Features, Feature 4

Entity Creations:

Create Table Fantasy_teams (F_id int not null, F_team_name varchar(30), Points int,Budget_spent int,budget_remaining int,transfers_remaining int, primary key (F_id));

```
MariaDB [fifa_world_cup]> describe fantasy_team;
+---------------------+-------------+------+-----+---------+-------+
| Field               | Type        | Null | Key | Default | Extra |
+---------------------+-------------+------+-----+---------+-------+
| F_id                | int(11)     | NO   | PRI | NULL    |       |
| F_team_name         | varchar(30) | YES  |     | NULL    |       |
| Points              | int(11)     | YES  |     | NULL    |       |
| Budget_spent        | int(11)     | YES  |     | NULL    |       |
| budget_remaining    | int(11)     | YES  |     | NULL    |       |
| transfers_remaining | int(11)     | YES  |     | NULL    |       |
+---------------------+-------------+------+-----+---------+-------+
6 rows in set (0.027 sec)
```

Create Table Matches (M_id int not null, Home_goals int,Away_goals int, stadium varchar(45),Match_time varchar(40),Home_team varchar(45),Away_team varchar(40),V_id int, primary key (M_id),foreign key(V_id) references venues(V_id));

```
MariaDB [fifa_world_cup]> describe matches;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| M_id        | int(11)     | NO   | PRI | NULL    |       |
| Home_goals  | int(11)     | YES  |     | NULL    |       |
| Away_goals  | int(11)     | YES  |     | NULL    |       |
| stadium     | varchar(45) | YES  |     | NULL    |       |
| Match_time  | varchar(40) | YES  |     | NULL    |       |
| Home_team   | varchar(45) | YES  |     | NULL    |       |
| Away_team   | varchar(40) | YES  |     | NULL    |       |
| V_id        | int(11)     | YES  | MUL | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
8 rows in set (0.012 sec)
```

Create Table Players (P_id int not null, name varchar(45) ,Height varchar(45),
Number_of_matches int,Y_cards int,R_cards int,Team_id int, F_id int, primary key
(P_id),foreign key(Team_id) references Teams (Team_id),foreign key(F_id) references
Fantasy_teams(F_id));

```
MariaDB [fifa_world_cup]> describe player;
+-------------------+-------------+------+-----+---------+-------+
| Field             | Type        | Null | Key | Default | Extra |
+-------------------+-------------+------+-----+---------+-------+
| P_id              | int(11)     | NO   | PRI | NULL    |       |
| name              | varchar(45) | YES  |     | NULL    |       |
| Height            | varchar(45) | YES  |     | NULL    |       |
| Number_of_matches | int(11)     | YES  |     | NULL    |       |
| Y_cards           | int(11)     | YES  |     | NULL    |       |
| R_cards           | varchar(40) | YES  |     | NULL    |       |
| Team_id           | int(11)     | YES  | MUL | NULL    |       |
| F_id              | int(11)     | YES  | MUL | NULL    |       |
+-------------------+-------------+------+-----+---------+-------+
8 rows in set (0.021 sec)
```

Create Table Teams (Team_id int not null, Groups varchar(3), Name Varchar(40), Rank
int, no_of_w int,no_of_l int, primary key (Team_id));

```
MariaDB [fifa_world_cup]> describe teams;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| Team_id  | int(11)     | NO   | PRI | NULL    |       |
| Groups   | varchar(3)  | YES  |     | NULL    |       |
| Name     | varchar(40) | YES  |     | NULL    |       |
| Rank     | int(11)     | YES  |     | NULL    |       |
| no_of_w  | int(11)     | YES  |     | NULL    |       |
| no_of_l  | int(11)     | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
6 rows in set (0.019 sec)
```

Create Table Users (U_id int not null, name varchar(45), email varchar(45),DOB date,password varchar(45),favourite_team varchar(40),F_id int, primary key (U_id),foreign key(F_id) references fantasy_teams(F_id));

```
MariaDB [fifa_world_cup]> describe user;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| U_id           | int(11)     | NO   | PRI | NULL    |       |
| name           | varchar(45) | YES  |     | NULL    |       |
| email          | varchar(45) | YES  |     | NULL    |       |
| DOB            | date        | YES  |     | NULL    |       |
| password       | varchar(45) | YES  |     | NULL    |       |
| favourite_team | varchar(40) | YES  |     | NULL    |       |
| F_id           | int(11)     | YES  | MUL | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
7 rows in set (0.015 sec)
```

Create Table Venues (V_id int not null, name varchar(45), capacity int,remianing_seats int,booked_seats int,matches_played int,vip_ticket_price int,economy_ticket_price int, primary key (V_id));

```
MariaDB [fifa_world_cup]> describe venue;
+----------------------+-------------+------+-----+---------+-------+
| Field                | Type        | Null | Key | Default | Extra |
+----------------------+-------------+------+-----+---------+-------+
| V_id                 | int(11)     | NO   | PRI | NULL    |       |
| name                 | varchar(45) | YES  |     | NULL    |       |
| capacity             | int(11)     | YES  |     | NULL    |       |
| remianing_seats      | int(11)     | YES  |     | NULL    |       |
| booked_seats         | int(11)     | YES  |     | NULL    |       |
| matches_played       | int(11)     | YES  |     | NULL    |       |
| vip_ticket_price     | int(11)     | YES  |     | NULL    |       |
| economy_ticket_price | int(11)     | YES  |     | NULL    |       |
+----------------------+-------------+------+-----+---------+-------+
8 rows in set (0.011 sec)
```

Create Table Goalkeepers (P_id int not null, type varchar(45), cleansheets int,saves int, conceded int, primary key (P_id),foreign key(P_id) references Players(P_id));

```
MariaDB [fifa_world_cup]> describe goalkeeper;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| P_id        | int(11)     | NO   | PRI | NULL    |       |
| type        | varchar(45) | YES  |     | NULL    |       |
| cleansheets | int(11)     | YES  |     | NULL    |       |
| saves       | int(11)     | YES  |     | NULL    |       |
| conceeded   | int(11)     | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (0.011 sec)
```

Create Table Outfielders (P_id int not null, type varchar(45), cleansheets int,Assists int, goals int, primary key (P_id),foreign key(P_id) references Players(P_id));

```
MariaDB [fifa_world_cup]> describe outfielder;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| P_id        | int(11)     | NO   | PRI | NULL    |       |
| type        | varchar(45) | YES  |     | NULL    |       |
| cleansheets | int(11)     | YES  |     | NULL    |       |
| Assists     | int(11)     | YES  |     | NULL    |       |
| goals       | int(11)     | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (0.012 sec)
```

Create table plays_ins (team_id int not null,M_id int not null,primary key (team_id, M_id),foreignkey (team_id) references Teams(team_id),foreign key (M_id) references Matches(M_id));

```
MariaDB [fifa_world_cup]> describe plays_in;
+---------+---------+------+-----+---------+-------+
| Field   | Type    | Null | Key | Default | Extra |
+---------+---------+------+-----+---------+-------+
| team_id | int(11) | NO   | PRI | NULL    |       |
| M_id    | int(11) | NO   | PRI | NULL    |       |
+---------+---------+------+-----+---------+-------+
2 rows in set (0.016 sec)
```

input values:

Table fantasy teams:
 insert into Fantasy_teams values(01,"little_flower",0,0,100000000,11);
 insert into Fantasy_teams
values(01,"little_flower",0,0,100000000,11),(02,"james_fc",0,0,100000000,11),(03,"little
_masters",0,0,100000000,11),(04,"real_dhaka",0,0,100000000,11),(05,"football_kings",0

,0,100000000,11),(06,"hail_barca",0,0,100000000,11),(07,"sunrisers",0,0,100000000,11),(08,"kryptos",0,0,100000000,11),(09,"power_rangers",0,0,100000000,11),(10,"goal_mac hine",0,0,100000000,11);

```
MariaDB [fifa_world_cup]> Select * from fantasy_team;
+------+---------------+--------+--------------+------------------+---------------------+
| F_id | F_team_name   | Points | Budget_spent | budget_remaining | transfers_remaining |
+------+---------------+--------+--------------+------------------+---------------------+
|    1 | little_flower |      0 |            0 |        100000000 |                  11 |
|    2 | james_fc      |      0 |            0 |        100000000 |                  11 |
|    3 | little_masters|      0 |            0 |        100000000 |                  11 |
|    4 | real_dhaka    |      0 |            0 |        100000000 |                  11 |
|    5 | football_kings|      0 |            0 |        100000000 |                  11 |
|    6 | hail_barca    |      0 |            0 |        100000000 |                  11 |
|    7 | sunrisers     |      0 |            0 |        100000000 |                  11 |
|    8 | kryptos       |      0 |            0 |        100000000 |                  11 |
|    9 | power_rangers |      0 |            0 |        100000000 |                  11 |
|   10 | goal_machine  |      0 |            0 |        100000000 |                  11 |
+------+---------------+--------+--------------+------------------+---------------------+
10 rows in set (0.000 sec)
```

Table user:

insert into users values(01,"Arka Debnath","arka404@gmail.com","2001-02-10","passwordnai","Argentina",01);
insert into users values(01,"Arka Debnath","arka404@gmail.com","2001-02-10","passwordnai","Argentina",01),(02,"Sad tafhim","sadkid@gmail.com","2000-03-23","nopass","Germany",02),(03,"Farhan Khan","farhankhan@gmail.com","2000-06-02","lostworld","Brazil",03),(04,"Avijeet","a vijeet@gmail.com","1998-06-12","hospitaltie","England",04),(05,"Riyad Hasan","riyad@gmail.com","1999-03-21","backend","Spain",05),(06,"Hasibujjaman","h asib@gmail.com","1985-12-28","bodybuilder","Netherlands",06),(07,"Ariful","ariful@g mail.com","1979-01-09","alwaysking","Brazil",07),(08,"Ayan Sarkar","ayan@gmail.com","1978-07-24","faculty","Spain",08),(09,"Fardin Sahil","sahil@gmail.com","1996-08-21","forgot","England",09),(10,"Sadik","Sadik@ya hoo.com","2003-07-14","chotovai","Germany",10);

```
MariaDB [fifa_world_cup]> Select * from user;
+------+---------------+------------------------+------------+--------------+----------------+------+
| U_id | name          | email                  | DOB        | password     | favourite_team | F_id |
+------+---------------+------------------------+------------+--------------+----------------+------+
|    1 | Arka Debnath  | arka404@gmail.com      | 2001-02-10 | passwordnai  | Argentina      |    1 |
|    2 | Sad tafhim    | sadkid@gmail.com       | 2000-03-23 | nopass       | Germany        |    2 |
|    3 | Farhan Khan   | farhankhan@gmail.com   | 2000-06-02 | lostworld    | Brazil         |    3 |
|    4 | Avijeet       | avijeet@gmail.com      | 1998-06-12 | hospitaltie  | England        |    4 |
|    5 | Riyad Hasan   | riyad@gmail.com        | 1999-03-21 | backend      | Spain          |    5 |
|    6 | Hasibujjaman  | hasib@gmail.com        | 1985-12-28 | bodybuilder  | Netherlands    |    6 |
|    7 | Ariful        | ariful@gmail.com       | 1979-01-09 | alwaysking   | Brazil         |    7 |
|    8 | Ayan Sarkar   | ayan@gmail.com         | 1978-07-24 | faculty      | Spain          |    8 |
|    9 | Fardin Sahil  | sahil@gmail.com        | 1996-08-21 | forgot       | England        |    9 |
|   10 | Sadik         | Sadik@yahoo.com        | 2003-07-14 | chotovai     | Germany        |   10 |
+------+---------------+------------------------+------------+--------------+----------------+------+
10 rows in set (0.001 sec)
```

Table Venue:

insert into Venues values (01,"Lusail",80000,0,0,12,305,175),(02,"Al Khor",60000,20000,40000,08,295,145),(03,"Al Wakrah",40000,25000,15000,09,435,220),(04,"Doha",45000,16000,29000,17,356,195),(05,"Al Rayyan",40000,22000,18000,04,275,135);

```
MariaDB [fifa]> select * from venue;
+------+-----------+----------+----------------+--------------+---------------+-----------------+---------------------+
| V_id | name      | capacity | remianing_seats | booked_seats | matches_played | vip_ticket_price | economy_ticket_price |
+------+-----------+----------+----------------+--------------+---------------+-----------------+---------------------+
|    1 | Lusail    |    80000 |              0 |            0 |            12 |             305 |                 175 |
|    2 | Al Khor   |    60000 |          20000 |        40000 |             8 |             295 |                 145 |
|    3 | Al Wakrah |    40000 |          25000 |        15000 |             9 |             435 |                 220 |
|    4 | Doha      |    45000 |          16000 |        29000 |            17 |             356 |                 195 |
|    5 | Al Rayyan |    40000 |          22000 |        18000 |             4 |             275 |                 135 |
+------+-----------+----------+----------------+--------------+---------------+-----------------+---------------------+
```

Table teams;

insert into teams values (01,"A","England",5,0,0,"","");
insert into teams values (02,"A","Qatar",49,0,0,"",""),(03,"A","Argentina",3,0,0,"",""),(04,"A","Netherlands",8,0,0,"","");

insert into teams values
(05,"B","Brazil",1,0,0,"",""),(06,"B","Spain",6,0,0,"",""),(07,"B","Germany",11,0,0,"","")
,(08,"B","Portugal",9,0,0,"","");

```
MariaDB [fifa_world_cup]> Select * from teams;
+---------+--------+------------+------+---------+---------+
| Team_id | Groups | Name       | Rank | no_of_w | no_of_l |
+---------+--------+------------+------+---------+---------+
|       1 | A      | England    |    5 |       0 |       0 |
|       2 | A      | Qatar      |   49 |       0 |       0 |
|       3 | A      | Argentina  |    3 |       0 |       0 |
|       4 | A      | Netherlands|    8 |       0 |       0 |
|       5 | B      | Brazil     |    1 |       0 |       0 |
|       6 | B      | Spain      |    6 |       0 |       0 |
|       7 | B      | Germany    |   11 |       0 |       0 |
|       8 | B      | Portugal   |    9 |       0 |       0 |
+---------+--------+------------+------+---------+---------+
8 rows in set (0.000 sec)
```

Table Matches:

insert into Matches values(01,0,0,"Lusail", "09:00 PM","Qatar","Argentina","2022-8-30 09:15:00","");
insert into Matches values(02,0,0,"Al Khor", "11:00 PM","England","Netherlands","2022-8-30 11:15:00","");
insert into Matches values(03,0,0,"Al Wakrah", "7:00 PM","Brazil","Spain","2022-8-31 07:15:00","");
insert into Matches values(04,0,0,"Doha", "9:00 PM","Germany","Portugal","2022-8-31 09:15:00","");
insert into Matches values(05,0,0,"Al Rayyah", "11:00 PM","Qatar","England","2022-8-30 11:15:00","");
insert into Matches values(06,0,0,"Lusail", "7:00 PM","Argentina","Netherlands","2022-9-1 07:15:00","");
insert into Matches values(07,0,0,"Al Khor", "9:00 PM","Brazil","Germany","2022-9-1 09:15:00","");
insert into Matches values(08,0,0,"Al Wakrah", "11:00 PM","Spain","Portugal","2022-9-1 11:15:00","");
insert into Matches values(09,0,0,"Doha", "7:00 PM","Qatar","Netherlands","2022-9-2 07:15:00","");
insert into Matches values(10,0,0,"Al Rayyah", "9:00 PM","England","Argentina","2022-9-2 09:15:00","");

insert into Matches values(11,0,0,"Lusail", "11:00 PM","Brazil","Portugal","2022-9-2 11:15:00","");
insert into Matches values(12,0,0,"Al Khor", "9:00 PM","Germany","Spain""2022-9-3 09:15:00","");

```
MariaDB [fifa_world_cup]> Select * from Matches;
+------+------------+------------+-----------+------------+-----------+-------------+------+
| M_id | Home_goals | Away_goals | stadium   | Match_time | Home_team | Away_team   | V_id |
+------+------------+------------+-----------+------------+-----------+-------------+------+
|    1 |          0 |          0 | Lusail    | 09:00 PM   | Qatar     | Argentina   |    1 |
|    2 |          0 |          0 | Al Khor   | 11:00 PM   | England   | Netherlands |    2 |
|    3 |          0 |          0 | Al Wakrah | 7:00 PM    | Brazil    | Spain       |    3 |
|    4 |          0 |          0 | Doha      | 9:00 PM    | Germany   | Portugal    |    4 |
|    5 |          0 |          0 | Al Rayyah | 11:00 PM   | Qatar     | England     |    5 |
|    6 |          0 |          0 | Lusail    | 7:00 PM    | Argentina | Netherlands |    1 |
|    7 |          0 |          0 | Al Khor   | 9:00 PM    | Brazil    | Germany     |    2 |
|    8 |          0 |          0 | Al Wakrah | 11:00 PM   | Spain     | Portugal    |    3 |
|    9 |          0 |          0 | Doha      | 7:00 PM    | Qatar     | Netherlands |    4 |
|   10 |          0 |          0 | Al Rayyah | 9:00 PM    | England   | Argentina   |    5 |
|   11 |          0 |          0 | Lusail    | 11:00 PM   | Brazil    | Portugal    |    1 |
|   12 |          0 |          0 | Al Khor   | 9:00 PM    | Germany   | Spain       |    2 |
+------+------------+------------+-----------+------------+-----------+-------------+------+
```

Table player:
insert into players values(01,"Aaron Ramsdale","England","5.11",0,0,"0","1998-05-14 12:00:00","");
insert into players values(02,"Trent Alexander-Arnold","England","5.6",0,0,"0","1996-05-15 11:00:00",""),(03,"Conor Coady","5.7",0,0,"0",01,01),(04,"Marc Guehi","England","5.4",0,0,"0","1997-08-14 10:00:00",""),(05,"Reece James","England","5.6",0,0,"0","1998-05-14

09:00:00",""),(06,"Jude Bellingham","England","5.7",0,0,"0","1990-05-14
11:00:00",""),(07,"Conor Gallagher","England,"5.6",0,0,"0","1998-04-23
12:00:00",""),(08,"Mason Mount","England","5.8",0,0,"0","1993-04-29
10:00:00",""),(09," Kalvin Phillips","England","5.5",0,0,"0","1995-09-16
08:00:00",""),(10,"Declan Rice","England",5.7",0,0,"0","1998-01-21
11:00:00",""),(11,"James Ward-Prowse","England","5.6",0,0,"0","1998-03-22
06:00:00","");

insert into players values(12,"Meshaal Barsham","Qatar","5.8",0,0,"0","1988-02-12
11:00:00",""),(13,"Mohammed Muntar","Qatar","5.3",0,0,"0","1991-04-17
12:00:00",""),(14,"Khalid Muneer Mazeed","Qatar","5.5",0,0,"0","1987-05-26
11:00:00",""),(15,"Ahmed Alaaeldin","Qatar","5.7",0,0,"0","1995-01-12
10:00:00",""),(16,"Akram Afif","Qatar","5.11",0,0,"0","2000-09-24
09:00:00",""),(17,"Salem Al-Hajri","Qatar","5.2",0,0,"0","1999-03-22
06:00:00",""),(18,"Jassem Gaber","Qatar","5.9",0,0,"0","1994-04-18
10:00:00",""),(19,"Homam Ahmed","Qatar","6.0",0,0,"0","1989-08-23
11:00:00",""),(20,"Boualem Khoukhi","Qatar","5.7",0,0,"0","1992-07-22
10:00:00",""),(21,"Ahmed Fadel","Qatar","6.1",0,0,"0","1984-07-26
14:00:00",""),(22,"Bassam Al Rawi","Qatar","5.4",0,0,"0","1992-06-18 15:00:00","");

insert into players values(23,"Juan Musso","Argentina","5.4",0,0,"0","2001-06-22
11:00:00",""),(24,"Argentina","Nahuel Molina","5.8",0,0,"0","1993-11-22
09:00:00",""),(25,"Cristian Romero","Argentina","5.6",0,0,"0","1988-06-24
13:00:00",""),(26,"Nicolas Tagliafico","Argentina","5.9",0,0,"0","1999-04-08
08:00:00",""),(27,"Guido Rodriguez","5.8",0,0,"0",03,03),(28,"Lionel
Messi","Argentina","5.5",0,0,"0","1985-03-19 11:00:00",""),(29,"Angel
Correa","Argentina","5.7",0,0,"0","1992-05-10 11:00:00",""),(30,"Paulo
Dybala","Argentina","5.3",0,0,"0","1996-04-11 08:00:00",""),(31,"Julian
Alvarez","Argentina","5.4",0,0,"0","1991-03-26 12:00:00",""),(32,"Joaquin
Correa","Argentina","5.7",0,0,"0","1993-09-18 10:00:00",""),(33,"Angel Di
Maria","Argentina","5.8",0,0,"0","1994-06-30 09:00:00","");

insert into players values(34,"Mark Flekken","Netherlands","5.7",0,0,"0","1996-07-24
11:00:00",""),(35,"Hans Hateboer","Netherlands","5.4",0,0,"0","1991-06-25
09:00:00",""),(36,"Daley Blind","Netherlands","5.5",0,0,"0","1996-03-22
11:00:00",""),(37,"Stefan de Vrij","Netherlands","6.1",0,0,"0","1999-06-08
13:00:00",""),(38,"Tyrell Malacia","Netherlands","5.9",0,0,"0","1987-06-02

09:00:00",""),(39,"Jurrien Timber","Netherlands","5.4",0,0,"0","1990-09-21 09:00:00",""),(40,"Jordan Teze","Netherlands","5.8",0,0,"0","1990-06-12 07:00:00",""),(41,"Bruno Martins Indi","Netherlands","5.6",0,0,"0","2002-07-12 06:00:00",""),(42,"Frenkie de Jong","Netherlands","5.9",0,0,"0","1985-08-12 10:00:00",""),(43,"Davy Klaassen","Netherlands","5.5",0,0,"0","1996-07-05 14:00:00",""),(44,"Teun Koopmeiners","Netherlands","5.9",0,0,"0","1990-08-16 05:00:00","");

insert into players values(45,"Alisson Becker","Brazil","5.9",0,0,"0","1993-04-22 10:00:00",""),(46,"Thiago Silva ","Brazil","5.5",0,0,"0","1996-06-18 09:00:00",""),(47,"Danilo","Brazil","5.6",0,0,"0","1997-04-14 11:00:00",""),(48," Dani Alves","Brazil","5.7",0,0,"0","1997-05-26 11:00:00",""),(49," Alex Telles","Brazil","5.5",0,0,"0","2000-03-11 07:00:00",""),(50,"Bruno Guimarães","Brazil","5.6",0,0,"0","1985-09-08 10:00:00",""),(51,"Casemiro","Brazil","5.7",0,0,"0","1987-02-12 16:00:00",""),(52,"Fred","Brazil","5.6",0,0,"0","2001-09-17 10:00:00",""),(53,"Neymar","Brazil","5.7",0,0,"0","1993-11-01 17:00:00",""),(54,"Richarlison","Brazil","5.5",0,0,"0","1982-08-21 08:00:00",""),(55,"Gabriel Jesus","Brazil","5.10",0,0,"0","2004-04-05 05:00:00","");

insert into players values(56,"David Raya","Spain","5.9",0,0,"0","1989-04-21 10:00:00",""),(57,"Cesar Azpilicueta","Spain","5.6",0,0,"0","1986-07-19 18:00:00",""),(58,"Dani Carvajal","Spain","5.7",0,0,"0","1997-03-11 12:00:00",""),(59," Diego Llorente","Spain","5.8",0,0,"0","1999-12-13 13:00:00",""),(60," Inigo Martinez","Spain","5.6",0,0,"0","1995-04-04 11:00:00",""),(61,"Marcos Alonso","Spain","5.8",0,0,"0","1990-05-11 04:00:00",""),(62,"Dani Olmo","Spain","5.7",0,0,"0","1997-07-17 10:00:00",""),(63,"Carlos Soler","Spain","5.7",0,0,"0","2005-06-11 06:00:00",""),(64,"Pablo Sarabia","Spain","5.8",0,0,"0","1986-04-12 10:00:00",""),(65,"Ferran Torres","Spain","5.5",0,0,"0","1992-07-07 08:00:00",""),(66,"Spain","Ansu Fati","5.6",0,0,"0","1993-03-03 18:00:00","");

insert into players values(67,"Manuel Neuer","Germany","6.1",0,0,"0","1990-11-12 10:00:00",""),(68,"Jonathan Tah","Germany","5.5",0,0,"0","1990-07-07 10:00:00",""),(69,"Niklas Sule","Germany","5.7",0,0,"0","1997-07-17 02:00:00",""),(70," Benjamin Henrichs","Germany","5.5",0,0,"0","1998-07-11 06:00:00",""),(71,"David Raum","Germany","5.5",0,0,"0","1999-07-10 11:00:00",""),(72,"Joshua Kimmich","Germany","5.7",0,0,"0","2000-09-09 11:00:00",""),(73,"Jonas Hofmann","Germany","5.8",0,0,"0","1981-04-04 11:00:00",""),(74,"Julian Brandt","Germany","5.7",0,0,"0","1997-08-08 08:00:00",""),(75,"Lukas Nmecha","Germany","5.4",0,0,"0","1993-07-22 13:00:00",""),(76,"Leroy Sane","Germany","5.8",0,0,"0","1999-03-14 11:00:00",""),(77,"Thomas Muller","Germany","5.8",0,0,"0","1980-11-11 10:00:00","");

Here we used Laravel Eloquent ORM instead of Query Builder

Features:

Feature set 1:

Xampp sql query

1. Add new account:
   Input
   values(01,"putul","putul404@gmail.com","2001-03-10","passwordase","Argentina",9);

```
    {
        return Validator::make($data, [
            'name' => ['required', 'string', 'max:255'],
            'email' => ['required', 'string', 'email', 'max:255', 'unique:users'],
            'password' => ['required', 'string', 'min:8', 'confirmed'],
        ]);
    }


    /**
     * Create a new user instance after a valid registration.
     *
     * @param  array  $data
     * @return \App\Models\User
     */
    protected function create(array $data)
    {
        return User::create([
            'name' => $data['name'],
            'email' => $data['email'],
            'password' => Hash::make($data['password']),
        ]);
    }
```

Register

Name	
Email Address	
Password	
Confirm Password	
	Register

2. login :

Select * from user where email = "putul404@gmail.com";

```php
$user = DB::table('user')
->where('email', "putul404@gmail.com")
->get();
```

Login

```php
*/

use AuthenticatesUsers;        You, 3 days ago • First …

/**
 * Where to redirect users after login.
 *
 * @var string
 */
protected $redirectTo = RouteServiceProvider::HOME;

/**
 * Create a new controller instance.
 *
 * @return void
 */
public function __construct()
{
    $this->middleware('guest')->except('logout');
}
```

3. password change:
   UPDATE user SET password = "newpassword" WHERE U_id =9;


```php
| explore this trait and override any methods you wish to tweak.
|
*/

use ResetsPasswords;

/**
 * Where to redirect users after resetting their password.
 *
 * @var string
 */
protected $redirectTo = RouteServiceProvider::HOME;
```

4. Update selective user info (User):
   UPDATE user SET name = "suchi" WHERE U_id =9;

```
*/
public function update(Request $request, $id)
{
    $validate = Validator::make($request->all(), [
        'name' => 'required|string|max:200',
        'email' => 'required|unique:users,email,' . $id,
    ]);

    if ($validate->fails()) {
        return back()->withErrors($validate)->withInput();
    }

    $user = User::find($id);
    $user->name = $request->name;
    $user->email = $request->email;

    if ($user->isDirty()) {
```

Edit User   ✕

Name

Lara Glenn

Email

Email address

admin@   dasybaj@mailinator.com

wegymis

                                        🖫 Update
dasybaj@

symylygi@mailinator.com   ☑ Edit   🗑 Delete

cysi@mailinator.com   ☑ Edit   🗑 Delete

Previous   1   2   Next

5. Update selective user info (Admin):

UPDATE user SET name = "jonathan", email= "hello@gmail.com" WHERE U_id =3;

```php
*/
public function update(Request $request, $id)
{
    $validate = Validator::make($request->all(), [
        'name' => 'required|string|max:200',
        'email' => 'required|unique:users,email,' . $id,
    ]);

    if ($validate->fails()) {
        return back()->withErrors($validate)->withInput();
    }

    $user = User::find($id);
    $user->name = $request->name;
    $user->email = $request->email;

    if ($user->isDirty()) {
```

Edit User

Name

Lara Glenn

Email address

dasybaj@mailinator.com

Update

Email

admin@

wegymis

dasybaj@

symylygi@mailinator.com

cysi@mailinator.com

Edit   Delete

Edit   Delete

Previous   1   2   Next

Feature set 2:

1. Admin update:

   UPDATE players SET name = "jonathan" WHERE P_id ='3';

```php
public function update(Request $request, $id)
{
    $validate = Validator::make($request->all(), [
        'name' => 'required|string|max:200',
        'email' => 'required|unique:users,email,' . $id,
    ]);

    if ($validate->fails()) {
        return back()->withErrors($validate)->withInput();
```

User List

+Add User   Edit Password

Show 5 ∨ entries   Search:

#	Name	Email	Action
1	admin	admin@gmail.com	Edit Delete
2	Chaney Williamson	wegymisieere@mailinator.com	Edit Delete
3	Lara Glenn	dasybaj@mailinator.com	Edit Delete
4	Brock Wilkins	symylygi@mailinator.com	Edit Delete
5	Steven Foley	cysi@mailinator.com	Edit Delete

Showing 1 to 5 of 6 entries   Previous 1 2 Next

2. Search for player:

   Select name from players where name= "Aaron Ramsdale";

```php
$players = DB::table('player')
->where('name', "Aaron Ramsdale")
->get();
```

```php
class PlayerController extends Controller
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\Http\Response
     */
    public function index()
    {
        $data['players'] = Player::all();              You, 1 second ago • U
        return view('player', $data)->with('no', 1);
    }

    /**
     * Show the form for creating a new resource.
     *
```

```
MariaDB [fifa_world_cup]> select name from players where id=1;
+----------------+
| name           |
+----------------+
| Aaron Ramsdale |
+----------------+
1 row in set (0.000 sec)
```

Player List

Show [5 ▾] entries   Search: [aaron ✕]

#	Name	Team Name	Action
1	Aaron Ramsdale	England	Edit Delete

Showing 1 to 1 of 1 entries (filtered from 2 total entries)

Previous **1** Next

3. match history:

Select home_team, away_team, home_goals, away_goals, match_time as match_history from matches where m_id=1;

```
$matches = DB::table('matche')
->select('home_team', 'away_team', 'home_goals', 'away_goals', 'match_time')
->where('m-id', 1)
->get();
```

```php
     * Display a listing of the resource.
     *
     * @return \Illuminate\Http\Response
     */
    public function index()
    {
        $data['lists'] = Matche::all();
        return view('match', $data)->with('no', 1);



    }


    public function matchinfo($id)
    {
        $data['list'] = Matche::find($id);
        return view('matchinfo',$data);
    }


    /**
     * Show the form for creating a new resource.
     *
```

```html
<Section>
    <div class="card">

        <div class="card-header">
            Match No {{$list ->id}}
        </div>
        <div class="card-body">
            <h5 class="card-title">{{$list->Home_team}} Vs {{$list->Away_team}}</h5>
            <p class="card-text">{{$list->Home_goals}} - {{$list->Away_goals}}</p>
            <p class="card-text">Match Ends</p>
        </div>


    </div>
</Section>
```

Match History

Groups | Teams | Matches | Player | User | Team info | Venues | Fantasy Team

Match No 1

Qatar Vs Argentina

0 - 3

Match Ends

4. showing upcoming match:

Select * from matches order by Match_time ;

```
$matches = DB::table('matche')
->orderByRaw('DESC')
->get();
```

```
</div>
<div class="card-body">
    <div class="row">
        <div class="col-md-6">
            <h5 class="card-title">{{ $m1->Home_team }} Vs {{ $m1->Away_team }}</h5>
            <p class="card-text">Scoreline {{ $m1->Home_goals }} - {{ $m1->Away_goals }} </p>
            <p class="card-text">Coverage starts at {{ $m1->Match_time }} </p>
            <p class="card-text">Match Date and Time {{ $m1->created_at }} </p>
        </div>
        <div class="col-md-6 text-center mt-3">
            <h4>CountDown:</h4>
            <button type="disabled" class="btn btn-lg btn-warning rounded-circle">
                {{ $m1->created_at->format('d') - date('d') }}
```

Match No : 2

England Vs Netherlands

Scoreline 0 - 0

Coverage starts at 11:00 PM

Match Date and Time 2022-08-30 11:15:00

CountDown:

2 Days left

5. Countdown using match date:

select match_date,DatePART from(hour, ReturnDt) asdate from current_dates,
where DateDiff(hour, ReturnDT, getdate())>1;

CountDown:

2 Days left

```
<div class="col-md-6 text-center mt-3">
    <h4>CountDown:</h4>
    <button type="disabled" class="btn btn-lg btn-warning rounded-circle">
        {{ $m1->created_at->format('d') - date('d') }}
        <span>Days left</span>
    </button>
</div>
```

Feature set 3:
1. Team leader Board:
   Select * from teams where groups = "A" ;

```
    </thead>
    <tbody>
        @forelse ($team2 as $list)
            <tr>
                <td>{{ $list->id }}</td>
                <td>{{ $list->Groups }}</td>
                <td>{{ $list->name }}</td>
                <td>{{ $list->Rank }}</td>
                <td>{{ $list->no_of_w }}</td>
                <td>{{ $list->no_of_l }}</td>
            </tr>
        @empty
        @endforelse
    </tbody>
/table>
```

Group A List

ID	Groups	Name	Rank	Win	Lost
1	A	England	5	1	0
2	A	Qatar	49	2	0
3	A	Argentina	3	0	0
4	A	Netherlands	8	0	0

Showing 1 to 4 of 4 entries   Previous 1 Next

Group B List

ID	Groups	Name	Rank	Win	Lost
5	B	Brazil	1	3	0
6	B	Spain	6	0	0
7	B	Germany	11	5	0
8	B	Portugal	9	0	0

Showing 1 to 4 of 4 entries   Previous 1 Next

2. Sort leaderboard after match:
   Select * from teams where groups="A" order by no_of_w DESC;

Group A List

ID	Groups	Name	Rank	Win	Lost
2	A	Qatar	49	2	0
1	A	England	5	1	0

Group B List

ID	Groups	Name	Rank	Win	Lost
7	B	Germany	11	5	0
5	B	Brazil	1	3	0

3. Sort Team rank:
   Select groups, name, rank from teams order by rank;

Show [All ⌄] entries

ID	Groups	Name	Rank
5	B	Brazil	1
3	A	Argentina	3
1	A	England	5
6	B	Spain	6
4	A	Netherlands	8
8	B	Portugal	9
7	B	Germany	11
2	A	Qatar	49

Showing 1 to 8 of 8 entries

4. Team Info:
   Select * from teams where Team_id=1;

Team Info

Team Id : 5
Groups: B
Name: Brazil
Rank: 1
Wins: 3
Lost: 0

Team Id : 3
Groups: A
Name: Argentina
Rank: 3
Wins: 0
Lost: 0

5. player info:
   Select * from players where P_id=1;

```
MariaDB [fifa]> UPDATE players SET name = "jonathan"  WHERE P_id ='3';
Query OK, 1 row affected (0.170 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [fifa]> SELECT * FROM PLAYERS;
+------+-----------------------+--------+-------------------+---------+---------+------+---------+------+
| P_id | name                  | Height | Number_of_matches | Y_cards | R_cards | Rank | Team_id | F_id |
+------+-----------------------+--------+-------------------+---------+---------+------+---------+------+
|    1 | Aaron Ramsdale        | 5.11   |                 0 |       0 |       0 |   96 |       1 |    1 |
|    2 | Trent Alexander-Arnold | 5.6   |                 0 |       0 |       0 |   22 |       1 |    1 |
|    3 | jonathan              | 5.7    |                 0 |       0 |       0 |   57 |       1 |    1 |
|    4 | Marc Guehi            | 5.4    |                 0 |       0 |       0 |  112 |       1 |    1 |
|    5 | Reece James           | 5.6    |                 0 |       0 |       0 |  127 |       1 |    1 |
|    6 | Jude Bellingham       | 5.7    |                 0 |       0 |       0 |   77 |       1 |    1 |
|    7 | Conor Gallagher       | 5.6    |                 0 |       0 |       0 |   54 |       1 |    1 |
|    8 | Mason Mount           | 5.8    |                 0 |       0 |       0 |   44 |       1 |    1 |
|    9 |  Kalvin Phillips      | 5.5    |                 0 |       0 |       0 |   99 |       1 |    1 |
|   10 | Declan Rice           | 5.7    |                 0 |       0 |       0 |   78 |       1 |    1 |
|   11 | James Ward-Prowse     | 5.6    |                 0 |       0 |       0 |   88 |       1 |    1 |
|   12 | Meshaal Barsham       | 5.8    |                 0 |       0 |       0 |   98 |       2 |    2 |
|   13 | Mohammed Muntar       | 5.3    |                 0 |       0 |       0 |   87 |       2 |    2 |
|   14 | Khalid Muneer Mazeed  | 5.5    |                 0 |       0 |       0 |  155 |       2 |    2 |
|   15 | Ahmed Alaaeldin       | 5.7    |                 0 |       0 |       0 |  177 |       2 |    2 |
|   16 | Akram Afif            | 5.11   |                 0 |       0 |       0 |  222 |       2 |    2 |
|   17 | Salem Al-Hajri        | 5.2    |                 0 |       0 |       0 |  257 |       2 |    2 |
|   18 | Jassem Gaber          | 5.9    |                 0 |       0 |       0 |  213 |       2 |    2 |
|   19 | Homam Ahmed           | 6.0    |                 0 |       0 |       0 |  199 |       2 |    2 |
|   20 | Boualem Khoukhi       | 5.7    |                 0 |       0 |       0 |  198 |       2 |    2 |
|   21 | Ahmed Fadel           | 6.1    |                 0 |       0 |       0 |  267 |       2 |    2 |
|   22 | Bassam Al Rawi        | 5.4    |                 0 |       0 |       0 |  288 |       2 |    2 |
+------+-----------------------+--------+-------------------+---------+---------+------+---------+------+
22 rows in set (0.000 sec)
```

Player Info

Groups   Teams   Matches   Player   User   Team info   Venues   Fantasy Team

Player Id : 1

Name: Aaron Ramsdale

Team: England

Height: 5.11

No. Of Matches: 0

Yellow Cards: 0

Red Cards: 0

Search For Player:

Match History:

Team Rank:

```
MariaDB [fifa]> SELECT Name, Rank FROM Teams ORDER BY Rank;
+-------------+------+
| Name        | Rank |
+-------------+------+
| Brazil      |    1 |
| Argentina   |    3 |
| England     |    5 |
| Spain       |    6 |
| Netherlands |    8 |
| Portugal    |    9 |
| Germany     |   11 |
| Qatar       |   49 |
+-------------+------+
8 rows in set (0.034 sec)
```

Team Info:

```
MariaDB [fifa]> SELECT * FROM Teams;
+---------+--------+-------------+------+---------+---------+
| Team_id | Groups | Name        | Rank | no_of_w | no_of_l |
+---------+--------+-------------+------+---------+---------+
|       1 | A      | England     |    5 |       0 |       0 |
|       2 | A      | Qatar       |   49 |       0 |       0 |
|       3 | A      | Argentina   |    3 |       0 |       0 |
|       4 | A      | Netherlands |    8 |       0 |       0 |
|       5 | B      | Brazil      |    1 |       0 |       0 |
|       6 | B      | Spain       |    6 |       0 |       0 |
|       7 | B      | Germany     |   11 |       0 |       0 |
|       8 | B      | Portugal    |    9 |       0 |       0 |
+---------+--------+-------------+------+---------+---------+
8 rows in set (0.000 sec)
```

Player Info:

```
MariaDB [fifa]> SELECT * FROM Players;
+------+--------------------------+--------+-------------------+---------+---------+------+---------+------+
| P_id | name                     | Height | Number_of_matches | Y_cards | R_cards | Rank | Team_id | F_id |
+------+--------------------------+--------+-------------------+---------+---------+------+---------+------+
|    1 | Aaron Ramsdale           | 5.11   |                 0 |       0 |       0 |   96 |       1 |    1 |
|    2 | Trent Alexander-Arnold   | 5.6    |                 0 |       0 |       0 |   22 |       1 |    1 |
|    3 | Conor Coady              | 5.7    |                 0 |       0 |       0 |   57 |       1 |    1 |
|    4 | Marc Guehi               | 5.4    |                 0 |       0 |       0 |  112 |       1 |    1 |
|    5 | Reece James              | 5.6    |                 0 |       0 |       0 |  127 |       1 |    1 |
|    6 | Jude Bellingham          | 5.7    |                 0 |       0 |       0 |   77 |       1 |    1 |
|    7 | Conor Gallagher          | 5.6    |                 0 |       0 |       0 |   54 |       1 |    1 |
|    8 | Mason Mount              | 5.8    |                 0 |       0 |       0 |   44 |       1 |    1 |
|    9 |  Kalvin Phillips         | 5.5    |                 0 |       0 |       0 |   99 |       1 |    1 |
|   10 | Declan Rice              | 5.7    |                 0 |       0 |       0 |   78 |       1 |    1 |
|   11 | James Ward-Prowse        | 5.6    |                 0 |       0 |       0 |   88 |       1 |    1 |
|   12 | Meshaal Barsham          | 5.8    |                 0 |       0 |       0 |   98 |       2 |    2 |
|   13 | Mohammed Muntar          | 5.3    |                 0 |       0 |       0 |   87 |       2 |    2 |
|   14 | Khalid Muneer Mazeed     | 5.5    |                 0 |       0 |       0 |  155 |       2 |    2 |
|   15 | Ahmed Alaaeldin          | 5.7    |                 0 |       0 |       0 |  177 |       2 |    2 |
|   16 | Akram Afif               | 5.11   |                 0 |       0 |       0 |  222 |       2 |    2 |
|   17 | Salem Al-Hajri           | 5.2    |                 0 |       0 |       0 |  257 |       2 |    2 |
|   18 | Jassem Gaber             | 5.9    |                 0 |       0 |       0 |  213 |       2 |    2 |
|   19 | Homam Ahmed              | 6.0    |                 0 |       0 |       0 |  199 |       2 |    2 |
|   20 | Boualem Khoukhi          | 5.7    |                 0 |       0 |       0 |  198 |       2 |    2 |
|   21 | Ahmed Fadel              | 6.1    |                 0 |       0 |       0 |  267 |       2 |    2 |
|   22 | Bassam Al Rawi           | 5.4    |                 0 |       0 |       0 |  288 |       2 |    2 |
+------+--------------------------+--------+-------------------+---------+---------+------+---------+------+
22 rows in set (0.032 sec)
```