

# CSE302: Database Systems (Section 1) [FALL 2022]

# Project Report

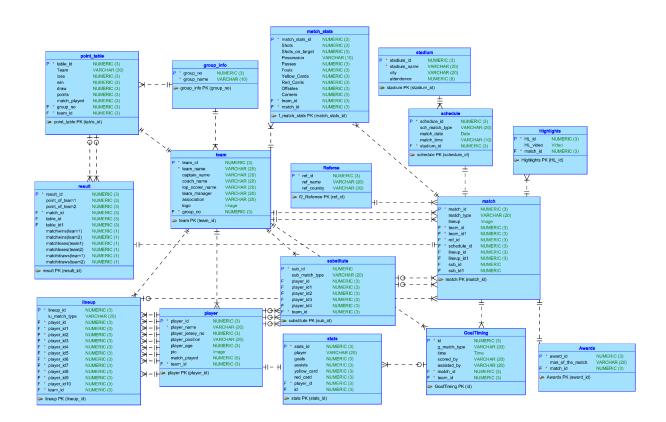
### FIFA WURLD CUP 2022

https://apex.oracle.com/pls/apex/r/sumaiyacse302/fifa-world-cup-2022

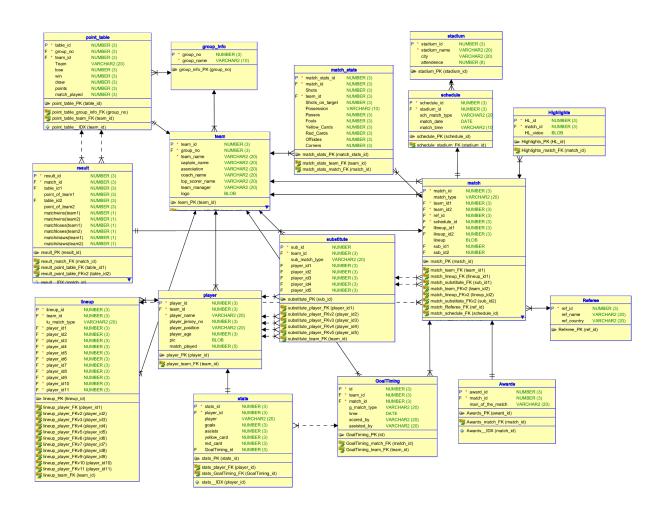
#### Submitted by:

Student ID	Student Name	Contribution Percentage
2019-3-60-105	Sumaiya Sanjin	30%
2020-1-68-013	Sadia Tasnim Shifa	20%
2020-1-60-097	Rajia Bashir Rahi	20%
2021-1-60-042	Sumaiya Tabassum	30%

# 1. Final version of the E-K Model of the Project



# 2. Final Versian of the Relational Data Model of the Project



# 3. Implementation Checklist

Description	Remarks
Project ID	147146
Workspace Name	sumaiyacse302
Workspace Email	<u>SUMASANJIN@GMAIL.COM</u>
Workspace Password	sumaiyasanjin24

Authentication Type	Access control user role assignments
Username and Password to Login	
username: admin	password: cse302project
username: sumasanjin@gmail.com	password: sumaiyasanjin24
Uploaded and Displayed Images in Reports	Yes
Implemented Page-wise Authorization	Yes
Number of Reports with Forms	18
Number of Master-detail Forms Number of Reports based on Queries, Aggregate Queries	2
Number of Parameterized Reports	0
Number of Graphs/Charts	4
Included any trigger/other feature which is not taught in class. If yes, please explain briefly.	Yes, we have used a few triggers to update some values of our point table.
Write the most unique feature/functionality in your application or the page of your application that you are proud of. Explain briefly.	By using HTML, we have added animated background and, used triggers to update values. And from the little we have learned, adding these features kind of makes us feel proud.

# 4. Reports with Forms

Report Page Number and Name	Form Page Number and Name	Table
Awards-2	Award-3	Awards
Goaltiming-4	Goaltiming-5	Goal Timing
Group Info-6	Group Info-7	Group_info
Highlights-8	Highlight-9	Highlights

Lineup-10	Lineup-11	Lineup
Match-12	Match-13	Match
Match-stats-14	Match-stats-15	match_stats
Player10-51	Player11-52	Player
Point table-18	Paint table-19	Paint_table
Referee-20	Referee-21	Referee
Result-22	Result-23	Result
Schedule-24	Schedule-25	Schedule
Stadium-26	Stadium-27	Stadium
Stats-28	Stat-29	Stats
Substitute-30	Substitute-31	Substitute
Team-32	Team-33	Team
User info-39	User infa1-40	my_users
Player_image-41	Player_image1-42	Player_image



Figure 4.1: Award Form



Figure 4.2: Award report

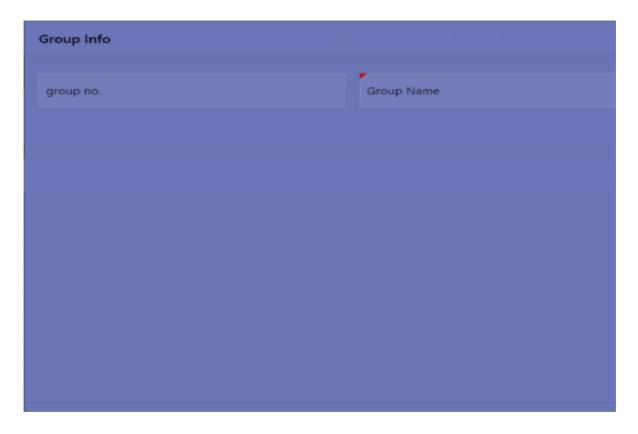


Figure 4.3: Group Info Form

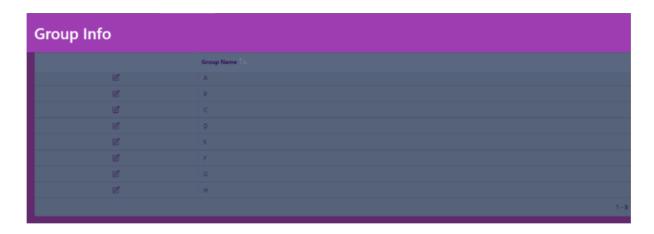


Figure 4.4: Group Info Report



Figure 4.5: Line up Form

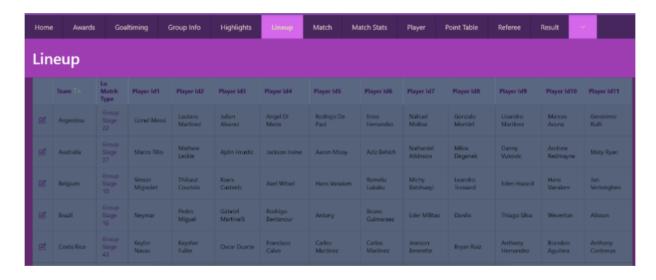


Figure 4.6: Line up report

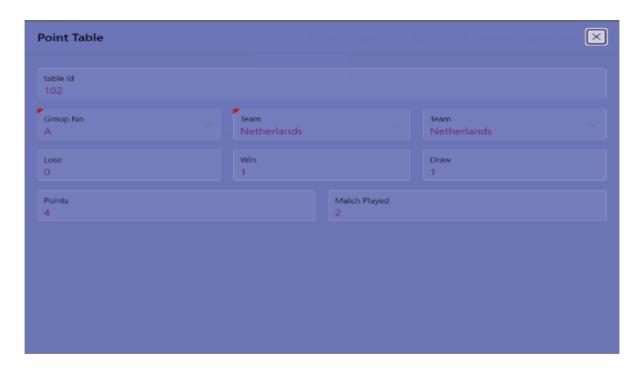


Figure 4.7: Point table form



Figure 4.8: Point table report



Figure 4.9: Referee input form

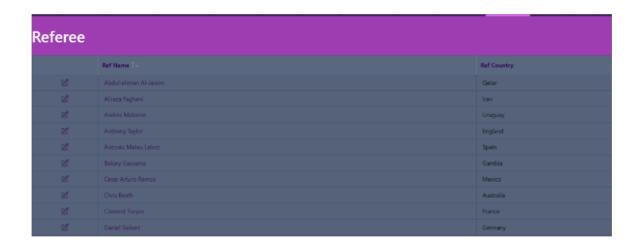


Figure 4.10: Referee report



Figure 4.11: Result input form

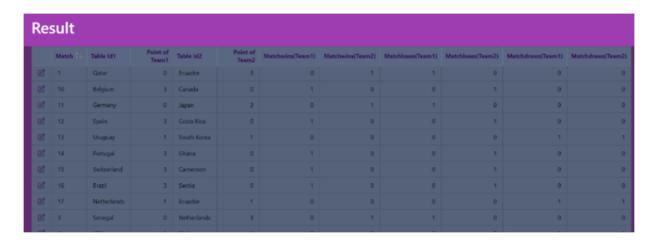


Figure 4.12: Result Report

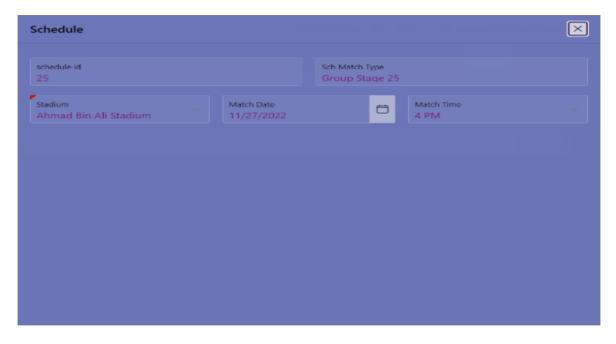


Figure 4.13: Schedule input form

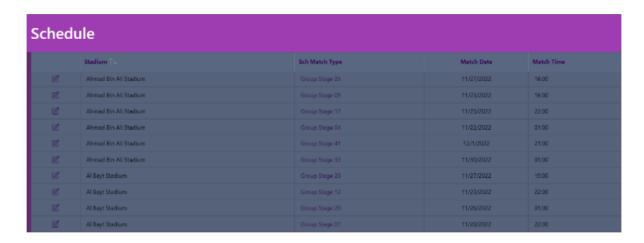


Figure 4.14: Schedule Report

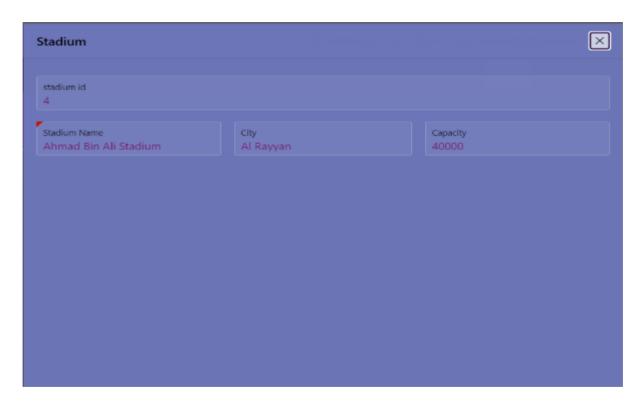


Figure 4.15:Stadium input form

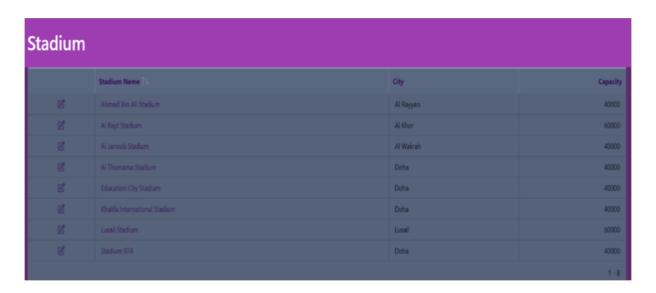


Figure 4.16: Stadium Report



Figure 4.17: Substitute input form

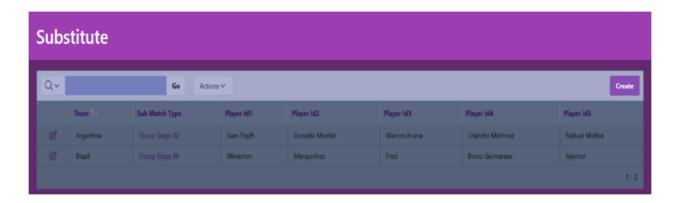


Figure 4.18: Substitute Report



Figure 4.19: Team input form



Figure 4.20: Team Report

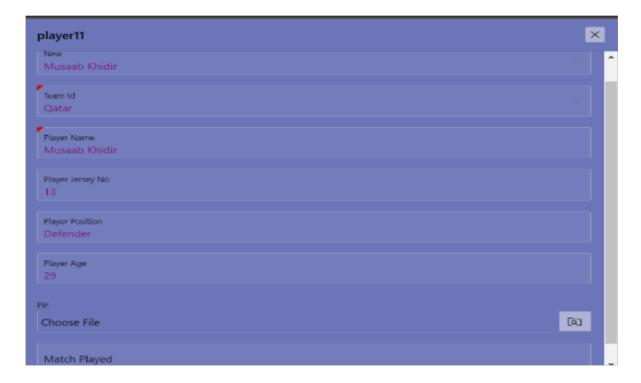


Figure 4.21: Player input form

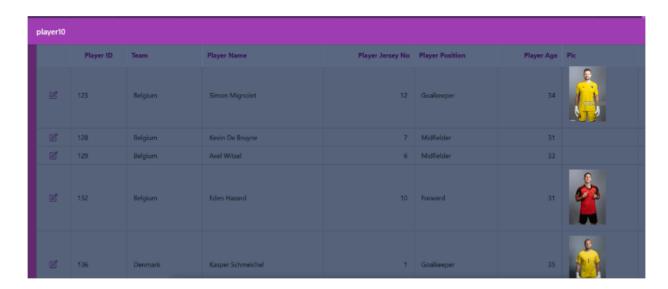


Figure 4.21: Player Report

## 5. Master-Detail Form

Page Number and Name	Master Table (Parent)	Detail Table (Child)
Page 16: Stadium and Schedule	Stadium	Schedule
Page 59: Team status	Team	Paint_table
Page 63: Match and Team	Team	match

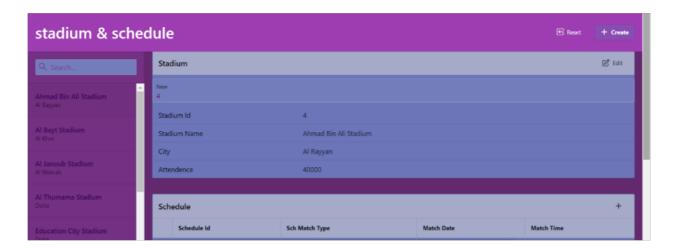


Figure 5.1: Master Detail form (Stadium and Schedule -16)

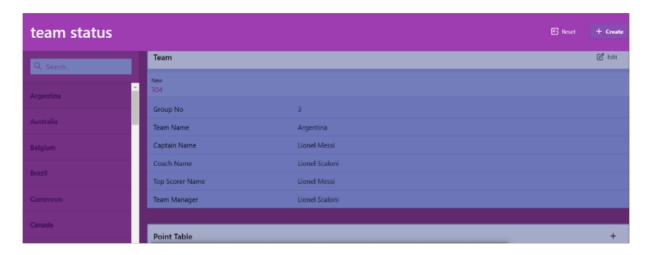


Figure 5.2: Master Detail form (Team status-59)



Figure 5.3: Master Detail form (Match and Team-63)

# 6. Reports based on Multi-Table and Aggregate Queries

Page Number and Name	Query Type	Report description
Page-89: player_jersey10	Multi-table	This report shows us the team name and players with jersey no. 10
Page 93: team_stats	Aggregate	This report shows us the total count of yellow cards, red cards, fouls, offsides and corners of each team

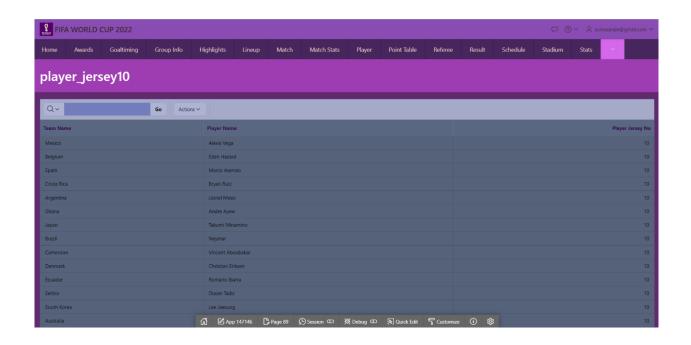


Figure 6.1: report based on multitable queries (player\_jersey10-89)

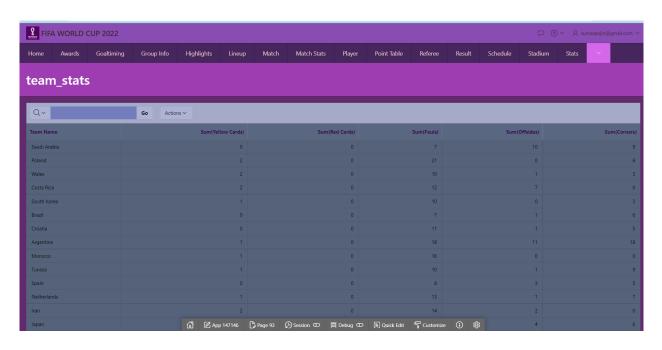


Figure 6.1: report based on aggregate queries (team\_stats-93)

## 7. Parameterized Reports

n n i in	0 T.	n
Page Humber and Hame	Liven Input	Kepart description
1 age 1 white t area 1 white	Comerc Tropaco	Tiepo to desc topotore

# 8. Charts and Other Pages

Page Number and Name	Chart description
Page 80: Bar Chart Total Goal	This bar chart shows that the total number goal given by each team.
Page 85: Passes	This bar chart shows all the passes given by players of each team
Page 88: Pie-chart of match stats	This pie chart indicate the total count of yellow cards in each match
Page 82: shots	This bar chart shows all the shots given by players of each team

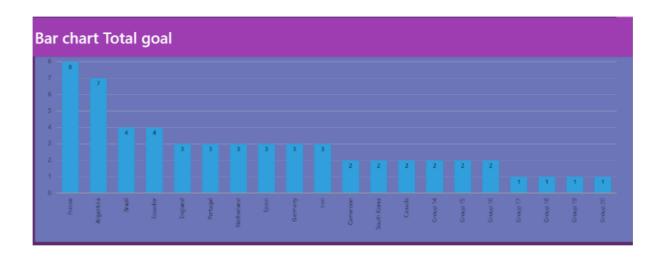
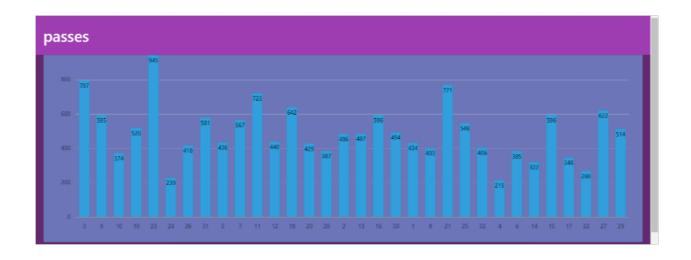


Figure 8.1: Bar chart of total goal



Pie Chart Of Match\_Stats

Figure 8.3: pie chart of Match Stats



Figure 8.2: Bar chart of total shots

## 9. Authorization and User Kole Assignment

#### User Role Assignment

User name	Password	Role
Admin	cse302project	Administrator, contributor
sumasanjin@gmail.com	sumaiyasanjin24	Administrator
Viewer	cse302project	Reader

#### Page-wise Authorization Information

Page number and name	Authorization Level
P1: Hame	Reader
19999: Login Page	Public
P10000: Administration	Administrator

## 10. Concluding Remarks

Here we used Oracle APEX to build an application "FIFA WORLD CUP 2022". We learned how to build an application and add different types of pages and reports to make it useful and learned how to authorize users and maintain a database. We have made the ER-diagram primarily to build our application. While doing our work, we faced some problems like image resizing and using HTML. Also, we have used triggers and made the master detailed report and many other things. By using HTML, we have also added animated background on the login page. This project consumes more time during data input. But as it is a team project so, when we face any problem, we discussed and solve it quickly and that is the main fun to work with a group. And our work went more smoothly because of our honorable instructor's excellent teaching method and guidance.