

For instructions on how to run the application, please refer to application_instructions.txt file.

Our application has 4 components,

1. Player
2. Manager
3. Club
4. Season

Each component can be accessed by the navbar at the top. The player component has two sub components:

Player Search:

1. Player Information:

Here users can search for existing players in the database. We have all male players who play in the Premier League (England), La Liga (Spain) and Bundesliga (Germany). You can search for the player through their name (eg: Paul Pogba) or their country (eg: France) or the position (eg: Midfield) they play in or the name of their manager (Ole) or their club (Manchester United). Players can also be filtered by giving an age range.

Users can also add a new player, update a player's information or delete a player from the database

The screenshot displays the 'Golden Goal' application interface. At the top, a dark navigation bar contains the title 'Golden Goal' and four menu items: 'Player', 'Manager', 'Club', and 'Season'. The main content area is divided into two primary sections. On the left, a 'SEARCH PLAYER' form includes input fields for 'Player Lastname' (with 'Messi' entered), 'Nationality' (with 'Argentina' selected), 'Position' (a dropdown menu showing 'Forward'), 'Player's Manager', and 'Player's Club'. Below these are fields for 'Minimum Age' and 'Maximum Age', followed by a 'Search' button. On the right, a larger form titled 'Add a Player:' contains fields for 'Player Name', 'Nationality', 'Position' (a dropdown menu), and 'Age'. It features an 'Add Player' button. Below this is an 'Update a Player:' section with a text prompt 'Please enter the player's name you want to update:', a text input field, and a dropdown for 'What do you want to update?' with options for 'Nationality' and 'Position'. It also has an 'Update Player' button. The bottom section is 'Delete a Player:', with a text prompt 'Please enter the player's name you want to delete:', a text input field, and a 'Delete Player' button. At the bottom of the interface, a table displays player data. The table has five columns: 'Player ID', 'Player Name', 'Age', 'Position', and 'Nationality'. The first row shows a player with ID 803, named 'L. Messi', aged 33, a 'Forward', and from 'Argentina'.

Player ID	Player Name	Age	Position	Nationality
803	L. Messi	33	Forward	Argentina

2. In the player performance section, users can see which players have scored, assisted or received cards for a specific club this season. Users can enter the club name to see a specific stat for the club players.

Golden Goal

Player ▾Manager ▾Club ▾Season ▾

PLAYER
PERFORMANCE

Stat (Default Value: Goals Scored)

▾

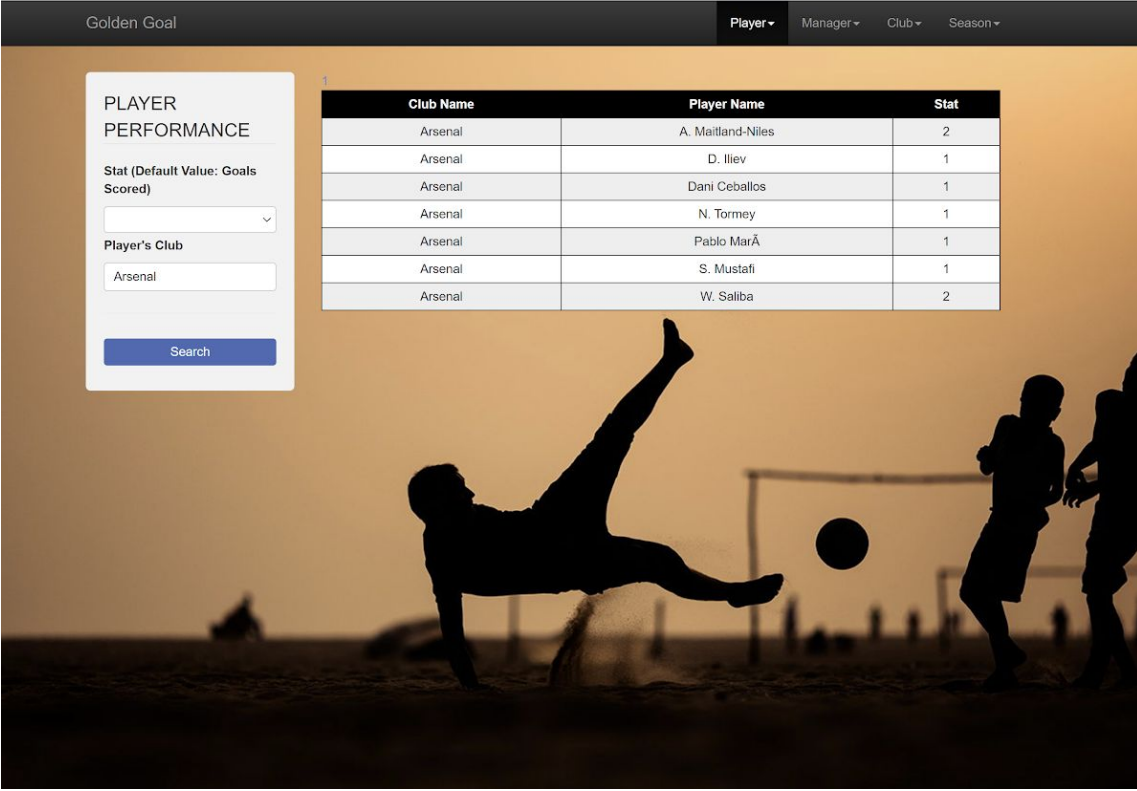
Player's Club

Arsenal

Search

1

Club Name	Player Name	Stat
Arsenal	A. Maitland-Niles	2
Arsenal	D. Ilijev	1
Arsenal	Dani Ceballos	1
Arsenal	N. Tormey	1
Arsenal	Pablo Marã	1
Arsenal	S. Mustafi	1
Arsenal	W. Saliba	2



Manager Search:

1. **Manager Information:** Here users can search for Managers managing the players in the league, in the database. Managers can be searched on the basis of name (eg: Pep Guardiola), nationality (eg: Spain) and clubs (eg: Manchester City).

Users can also add a new manager, update a manager's information or delete a manager from the database

Golden Goal Player ▾ **Manager ▾** Club ▾ Season ▾

SEARCH MANAGER
Manager

Nationality

Manager's Club

Minimum Age

Maximum Age

Add a Manager:
Manager Name

Nationality

Age

Update a Manager:
Please enter the manager's name you want to update:

What do you want to update?
Country

Age

Delete a Manager:
Please enter the manager that you want to delete

Manager ID	Manager Name	Age	Nationality
4	Frank Lampard	42	England

2. Manager Performance: Just like you can look for player performance, you can also look for manager performance. Searching criterion; Manager’s name (eg: Frank Lampard), Nationality (eg: England) and Club (eg: Chelsea). This section provides the win percentage of a Manager.

Golden Goal

Player▼Manager▼Club▼Season▼

MANAGER PERFORMANCE

Manager

Nationality

Manager's Club

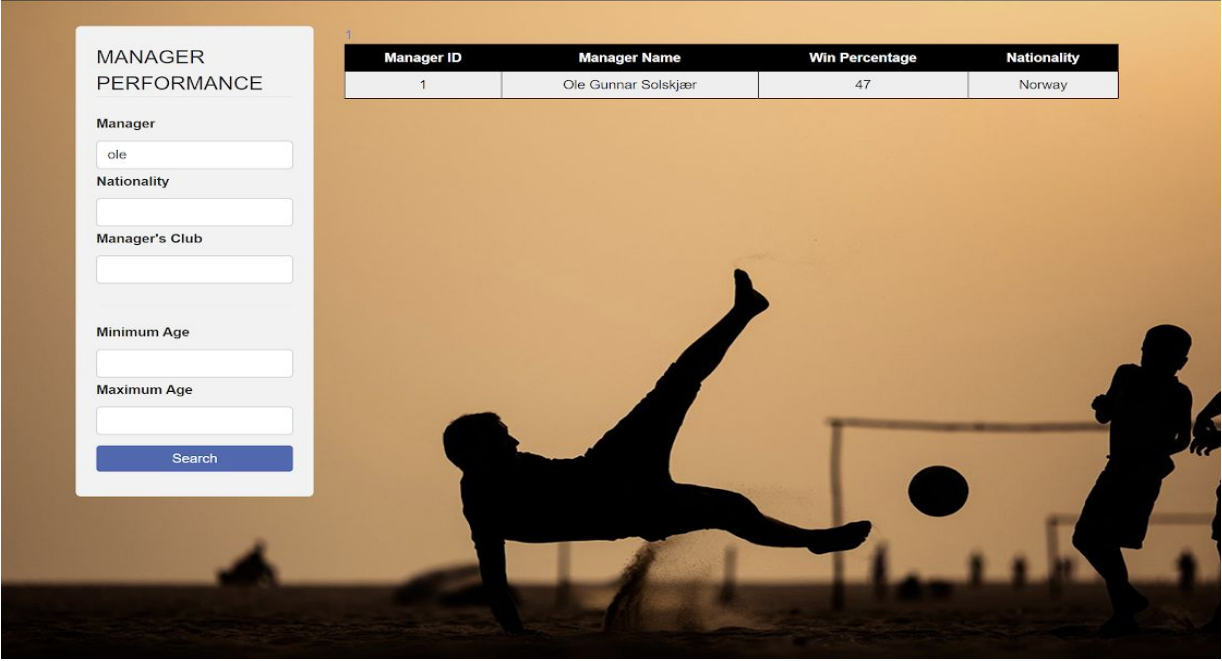
Minimum Age

Maximum Age

Search

1

Manager ID	Manager Name	Win Percentage	Nationality
1	Ole Gunnar Solskjær	47	Norway



Club search:

1. Club Information: Club search is an option available to the user to search for a club on the basis of Club name (eg: Chelsea), Stadium name(eg: Stamford Bridge), League (eg: Premier League), Manager name (eg: Frank Lampard), Player name (eg: Havertz). Similar to the Player Search and Manager Search section of the website, you can add, update and delete clubs as well.

Golden Goal

PlayerManagerClubSeason

SEARCH CLUB

Club Name

barcelona

Stadium Name

League

Manager Name

Player Name

Search

Add a Club:

Club Name

Country

Home Stadium

League

Add Club

Update a Club:

Please enter the club name you want to update:

What do you want to update?

Country

Home Stadium

League

Modify Club

Delete a Club:

Please enter the club name you want to delete:

Delete Club

1

Club ID	Club Name	Home Stadium	League	Country
22	Barcelona	Camp Nou	La Liga	Spain

2. Club performance: Club performance enlists the performance of the club on the basis of club name (eg: Arsenal) and year (eg: 2019). Upon searching it enlists the insights related to wins, draws and losses for the club.

Golden Goal

Player ▾ Manager ▾ Club ▾ Season ▾

CLUB PERFORMANCE

Club Name

Year

2017 ▾

Search

Season Year	Club Name	Total Wins	Total Draws	Total Defeats
2017	1. FC Union Berlin	9	11	18
2017	Arsenal	20	11	7
2017	Aston Villa	11	8	19
2017	Atletico Club	12	14	12
2017	Atletico Madrid	18	11	7
2017	Augsburg	30	2	2
2017	Barcelona	19	9	10
2017	Bayer Leverkusen	28	6	0
2017	Bayer Munchen	26	2	6
2017	Borussia Dortmund	20	6	8
2017	Borussia Mgladbach	18	10	6
2017	Brighton & Hove Albion	11	9	18
2017	Burnley	11	9	18
2017	Cádiz CF	14	9	15
2017	Celta de Vigo	16	12	10
2017	Chelsea	12	14	12
2017	Crystal Palace	9	11	18
2017	Deportivo Alaves	19	13	6
2017	DSC Arminia Bielefeld	9	12	17
2017	Eibar	11	14	13

Season Search:

- 1. Season information: This feature helps the user to search for the cub stats in a more detailed fashion for a particular season. Club stats include; home wins, home draws, home defeats, away wins, away draws and away defeats.

Golden Goal

Player ▾ Manager ▾ Club ▾ Season ▾

DETAILED STATS BY SEASON

Club Name

Bayer

Year

Search

Season	Club Name	Home Wins	Home Draws	Home Defeats	Away Wins	Away Draws	Away Defeats
2009	Bayer Leverkusen	12	2	5	7	7	5
2009	Bayer Munchen	12	4	3	8	7	4
2010	Bayer Leverkusen	14	3	0	14	3	0
2010	Bayer Munchen	13	1	3	13	1	3
2011	Bayer Leverkusen	14	3	0	14	3	0
2011	Bayer Munchen	13	1	3	13	1	3
2012	Bayer Leverkusen	14	3	0	14	3	0
2012	Bayer Munchen	13	1	3	13	1	3
2013	Bayer Leverkusen	12	2	5	7	7	5
2013	Bayer Munchen	12	4	3	8	7	4
2014	Bayer Leverkusen	14	3	0	14	3	0
2014	Bayer Munchen	13	1	3	13	1	3
2015	Bayer Leverkusen	14	3	0	14	3	0
2015	Bayer Munchen	13	1	3	13	1	3
2016	Bayer Leverkusen	12	2	5	7	7	5
2016	Bayer Munchen	12	4	3	8	7	4
2017	Bayer Leverkusen	14	3	0	14	3	0
2017	Bayer Munchen	13	1	3	13	1	3
2018	Bayer Leverkusen	14	3	0	14	3	0
2018	Bayer Munchen	13	1	3	13	1	3
	Bayer						