Football Database

Web Application Databases Project

Using:

- *SSMS*
- *PHPMYADMIN*
- *VISUAL STUDIO CODE*
- *XAMPP*

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Group: 30322

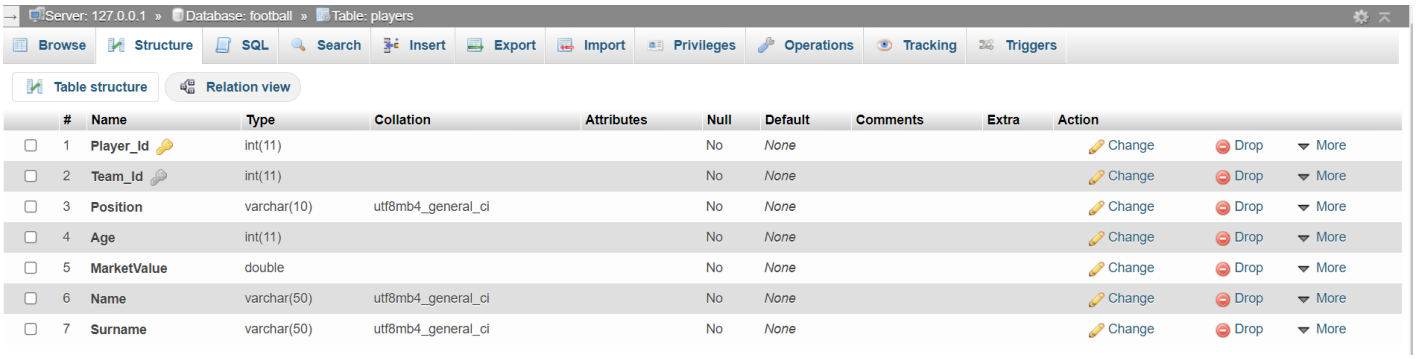
The database created in phpMyAdmin

The database “Football” contains:

- **6 main tables**: Players, Teams, Coaches, Goals, Matches and Salaries
- **1 user/admin table**: User_Admins
- **6 views:** Goalscorers, GoalOverAvg, GoalsWithNoAssists, PlayersWithSameMV, TeamStadiums, TotalAvgMV

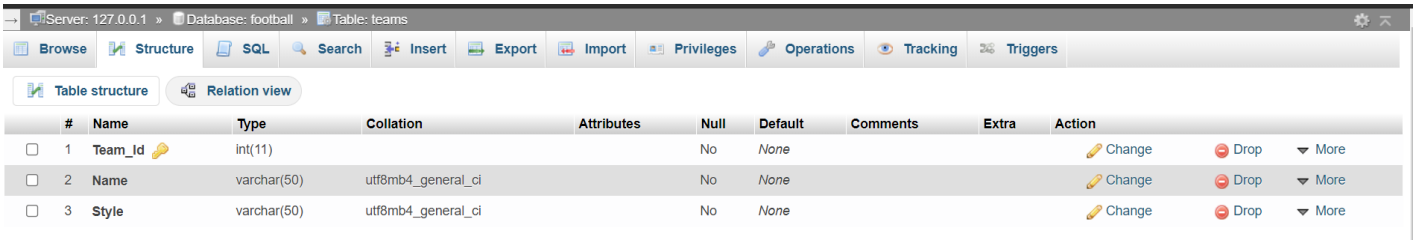
The structure of each table:

Players:



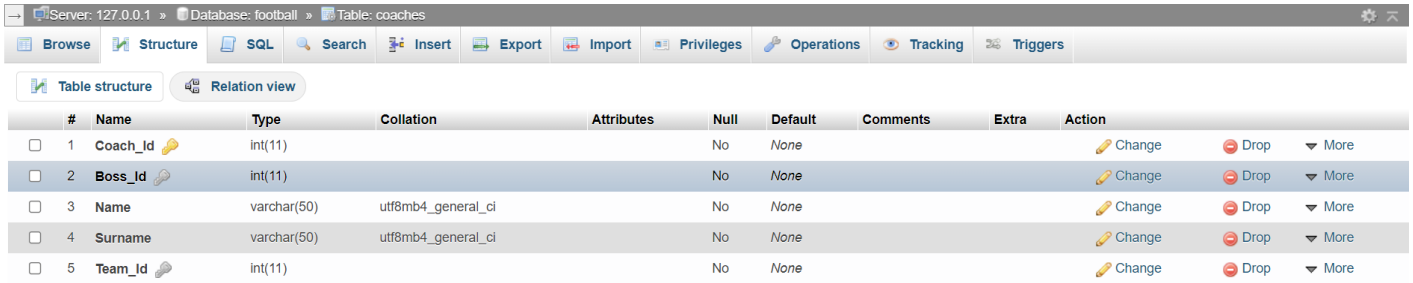
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Player_Id	int(11)			No	None			Change Drop More
2	Team_Id	int(11)			No	None			Change Drop More
3	Position	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
4	Age	int(11)			No	None			Change Drop More
5	MarketValue	double			No	None			Change Drop More
6	Name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
7	Surname	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More

Teams:



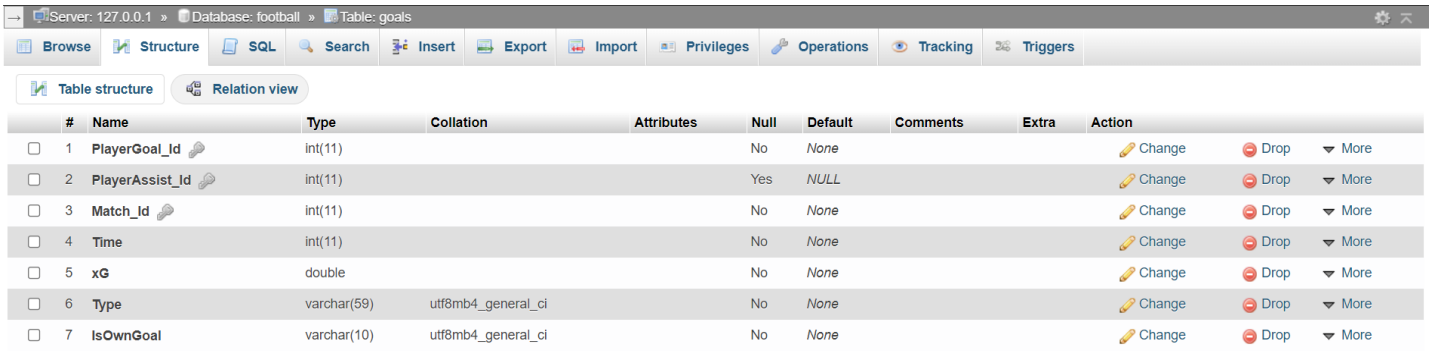
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Team_Id	int(11)			No	None			Change Drop More
2	Name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
3	Style	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More

Coaches:



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Coach_Id	int(11)			No	None			Change Drop More
2	Boss_Id	int(11)			No	None			Change Drop More
3	Name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
4	Surname	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
5	Team_Id	int(11)			No	None			Change Drop More

Goals:



Server: 127.0.0.1 » Database: football » Table: goals

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	PlayerGoal_Id	int(11)			No	None			Change Drop More
2	PlayerAssist_Id	int(11)			Yes	NULL			Change Drop More
3	Match_Id	int(11)			No	None			Change Drop More
4	Time	int(11)			No	None			Change Drop More
5	xG	double			No	None			Change Drop More
6	Type	varchar(59)	utf8mb4_general_ci		No	None			Change Drop More
7	IsOwnGoal	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More

Matches:

Server: 127.0.0.1 » Bază de date: football » Tabel: matches

Răsfoiește | Structură | SQL | Caută | Inserează | Exportă | Importă | Privilegii | Operații | Urmărire | Declanșatori

Structură tabel | Vizualizare relație

#	Nume	Tip	Colaționare	Atribute	Nul	Implicit	Comentarii	Suplimentar	Acțiune
1	Match_Id	int(11)			Nu	Niciuna			Modifică Elimină Mai mult
2	TeamH_Id	int(11)			Nu	Niciuna			Modifică Elimină Mai mult
3	TeamA_Id	int(11)			Nu	Niciuna			Modifică Elimină Mai mult
4	GoalsH	int(11)			Nu	Niciuna			Modifică Elimină Mai mult
5	GoalsA	int(11)			Nu	Niciuna			Modifică Elimină Mai mult
6	Date	date			Nu	Niciuna			Modifică Elimină Mai mult
7	Stadium	varchar(50)	utf8mb4_general_ci		Nu	Niciuna			Modifică Elimină Mai mult

Salaries:

Server: 127.0.0.1 » Bază de date: football » Tabel: salaries

Răsfoiește | Structură | SQL | Caută | Inserează | Exportă | Importă | Privilegii | Operații | Urmărire | Declanșatori

Structură tabel | Vizualizare relație

#	Nume	Tip	Colaționare	Atribute	Nul	Implicit	Comentarii	Suplimentar	Acțiune
1	Player_Id	int(11)			Nu	Niciuna			Modifică Elimină Mai mult
2	Amount	double			Nu	Niciuna			Modifică Elimină Mai mult

Users_Admins:

Server: 127.0.0.1 » Bază de date: football » Tabel: users_admins

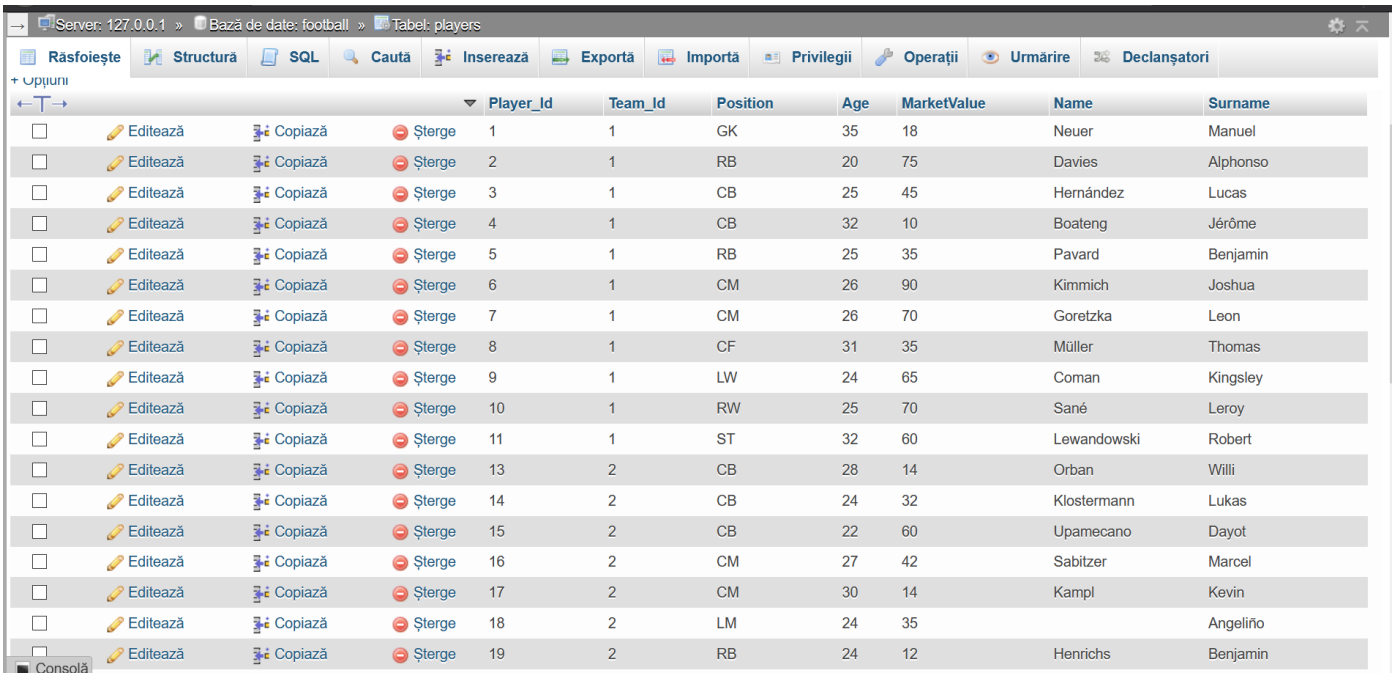
Răsfoiește | Structură | SQL | Caută | Inserează | Exportă | Importă | Privilegii | Operații | Urmărire | Declanșatori

Structură tabel | Vizualizare relație

#	Nume	Tip	Colaționare	Atribute	Nul	Implicit	Comentarii	Suplimentar	Acțiune
1	Name	varchar(50)	utf8mb4_general_ci		Nu	Niciuna			Modifică Elimină Mai mult
2	Password	varchar(50)	utf8mb4_general_ci		Nu	Niciuna			Modifică Elimină Mai mult
3	ID	int(11)			Nu	Niciuna			Modifică Elimină Mai mult

The content of the database:

Players:



				Player_Id	Team_Id	Position	Age	MarketValue	Name	Surname
☐	Editează	Copiază	Șterge	1	1	GK	35	18	Neuer	Manuel
☐	Editează	Copiază	Șterge	2	1	RB	20	75	Davies	Alphonso
☐	Editează	Copiază	Șterge	3	1	CB	25	45	Hernández	Lucas
☐	Editează	Copiază	Șterge	4	1	CB	32	10	Boateng	Jérôme
☐	Editează	Copiază	Șterge	5	1	RB	25	35	Pavard	Benjamin
☐	Editează	Copiază	Șterge	6	1	CM	26	90	Kimmich	Joshua
☐	Editează	Copiază	Șterge	7	1	CM	26	70	Goretzka	Leon
☐	Editează	Copiază	Șterge	8	1	CF	31	35	Müller	Thomas
☐	Editează	Copiază	Șterge	9	1	LW	24	65	Coman	Kingsley
☐	Editează	Copiază	Șterge	10	1	RW	25	70	Sané	Leroy
☐	Editează	Copiază	Șterge	11	1	ST	32	60	Lewandowski	Robert
☐	Editează	Copiază	Șterge	13	2	CB	28	14	Orban	Willi
☐	Editează	Copiază	Șterge	14	2	CB	24	32	Klostermann	Lukas
☐	Editează	Copiază	Șterge	15	2	CB	22	60	Upamecano	Dayot
☐	Editează	Copiază	Șterge	16	2	CM	27	42	Sabitzer	Marcel
☐	Editează	Copiază	Șterge	17	2	CM	30	14	Kampl	Kevin
☐	Editează	Copiază	Șterge	18	2	LM	24	35		Angeliño
☐	Editează	Copiază	Șterge	19	2	RB	24	12	Henrichs	Benjamin

Consolă

Coaches:

+ Opțiuni

				Coach_Id ▲ 1	Boss_Id	Name	Surname	Team_Id
☐	Editează	Copiază	Șterge	1	1	Flick	Hans	1
☐	Editează	Copiază	Șterge	2	2	Röhl	Danny	1
☐	Editează	Copiază	Șterge	3	3	Klose	Miroslav	1
☐	Editează	Copiază	Șterge	4	3	Tapalovic	Toni	1
☐	Editează	Copiază	Șterge	5	1	Nagelsmann	Julian	2
☐	Editează	Copiază	Șterge	6	2	Volz	Moritz	2
☐	Editează	Copiază	Șterge	7	2	Toppmöller	Dino	2
☐	Editează	Copiază	Șterge	8	3	Gößling	Frederik	2
☐	Editează	Copiază	Șterge	9	1	Glasner	Oliver	3
☐	Editează	Copiază	Șterge	10	2	Angerschmid	Michael	3
☐	Editează	Copiază	Șterge	11	1	Terzic	Edin	4
☐	Editează	Copiază	Șterge	12	2	Addo	Otto	4
☐	Editează	Copiază	Șterge	13	3	Kleinsteiber	Matthias	4

Teams:

+ Opțiuni

				Team_Id	Name	Style
☐	Editează	Copiază	Șterge	1	Bayern Munchen	very offensive
☐	Editează	Copiază	Șterge	2	RB Leipzig	offensive
☐	Editează	Copiază	Șterge	3	Wolfsburg	pressing
☐	Editează	Copiază	Șterge	4	Borussia Dortmund	rapid play

Bifează tot *Cu cele selectate:* Editează Copiază Șterge Exportă

Goals:

+ Opțiuni

PlayerGoal_Id	PlayerAssist_Id	Match_Id	Time	xG	Type	IsOwnGoal
41	35	1	45	0.4	header	no
11	*NULL*	1	48	0.3	regular	no
9	11	1	80	0.4	wide	no
44	35	1	83	0.4	counter	no
8	9	2	34	0.3	header	no
20	18	2	48	0.1	cross	no
8	9	2	75	0.25	regular	no
31	27	3	5	0.1	cross	no
11	9	3	45	0.25	through-ball	no
11	4	3	50	0.2	through-ball	no
44	*NULL*	4	2	0.1	counter	no
44	*NULL*	4	9	0.3	counter	no
11	10	4	26	0.15	through-ball	no
11	*NULL*	4	44	0.6	penalty	no
7	*NULL*	4	88	0.15	regular	no
11	2	4	90	0.2	cross	no
33	28	5	35	0.3	through-ball	no
31	27	5	54	0.2	set-piece	no

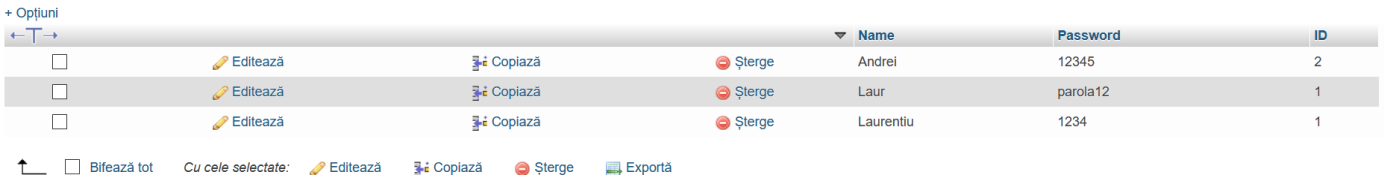
Matches:

+ Opțiuni

				Match_Id	TeamH_Id	TeamA_Id	GoalsH	GoalsA	Date	Stadium
☐	Editează	Copiază	Șterge	4	1	4	4	2	2021-03-06	Allianz Arena
☐	Editează	Copiază	Șterge	11	4	2	3	2	2021-05-16	Signal Iduna Park
☐	Editează	Copiază	Șterge	2	1	2	3	3	2020-12-05	Allianz Arena
☐	Editează	Copiază	Șterge	8	3	2	2	2	2021-01-16	Volswagen Arena
☐	Editează	Copiază	Șterge	7	4	3	2	0	2021-01-03	Signal Iduna Park
☐	Editează	Copiază	Șterge	1	4	1	2	3	2020-11-07	Signal Iduna Park
☐	Editează	Copiază	Șterge	5	3	1	2	3	2021-04-17	Volswagen Arena
☐	Editează	Copiază	Șterge	3	1	3	2	1	2020-12-16	Allianz Arena
☐	Editează	Copiază	Șterge	10	2	4	1	3	2021-01-09	Signal Iduna Park
☐	Editează	Copiază	Șterge	9	3	4	0	2	2021-04-14	Volswagen Arena
☐	Editează	Copiază	Șterge	6	2	1	0	1	2021-04-03	RedBull Arena

Salaries:

User_Admins:



To create the tables in the database, here are some of the queries

INSERT INTO `teams` (`Team_Id`, `Name`, `Style`) VALUES ('1', 'Bayern Munchen', 'offensive'), ('2', 'RB Leipzig', 'offensive'), ('3', 'Wolfsburg', 'pressing'), ('4', 'Borussia Dortmund', 'rapid play');

INSERT INTO `players` (`Player_Id`, `Team_Id`, `Position`, `Age`, `MarketValue`, `Name`, `Surname`) VALUES ('1', '1', 'GK', '35', '18', 'Neuer', 'Manuel '), ('2', '1', 'RB', '20', '75', 'Davies', 'Alphonso '), ('3', '1', 'CB', '25', '45', 'Hernández', 'Lucas '), ('4', '1', 'CB', '32', '10', 'Boateng', 'Jérôme'), ('5', '1', 'RB', '25', '35', 'Pavard', 'Benjamin '), ('6', '1', 'CM', '26', '90', 'Kimmich', 'Joshua '), ('7', '1', 'CM', '26', '70', 'Goretzka', 'Leon '), ('8', '1', 'CF', '31', '35', 'Müller', 'Thomas '), ('9', '1', 'LW', '24', '65', 'Coman', 'Kingsley '), ('10', '1', 'RW', '25', '70', 'Sané', 'Leroy '), ('11', '1', 'ST', '32', '60', 'Lewandowski', 'Robert ');

INSERT INTO `players` (`Player_Id`, `Team_Id`, `Position`, `Age`, `MarketValue`, `Name`, `Surname`) VALUES ('12', '2', 'GK', '31', '12', 'Gulácsi', 'Péter '), ('13', '2', 'CB', '28', '14', 'Orban', 'Willi '), ('14', '2', 'CB', '24', '32', 'Klostermann', 'Lukas '), ('15', '2', 'CB', '22', '60', 'Upamecano', 'Dayot '), ('16', '2', 'CM', '27', '42', 'Sabitzer', 'Marcel '), ('17', '2', 'CM', '30', '14', 'Kampl', 'Kevin '), ('18', '2', 'LM', '24', '35', '', 'Angeliño'), ('19', '2', 'RB', '24', '12', 'Henrichs', 'Benjamin '), ('20', '2', 'LW', '29', '20', 'Forsberg', 'Emil '), ('21', '2', 'CAM', '23', '38', 'Olmo', 'Dani '), ('22', '2', 'ST', '25', '18', 'Sörloth', 'Alexander ');

INSERT INTO `players` (`Player_Id`, `Team_Id`, `Position`, `Age`, `MarketValue`, `Name`, `Surname`) VALUES ('23', '3', 'GK', '28', '11', 'Casteels', 'Koen '), ('24', '3', 'LB', '26', '6', 'Otávio', 'Paulo '), ('25', '3', 'CB', '28', '12', 'Brooks', 'John Anthony '), ('26', '3', 'CB', '21', '25', 'Lacroix', 'Maxence '), ('27', '3', 'RB', '26', '9', 'Mbabu', 'Kevin '), ('28', '3', 'CM', '23', '22', 'Schlager', 'Xaver '), ('29', '3', 'CM', '26', '19', 'Arnold', 'Maximilian '), ('30', '3', 'LW', '22', '12', 'Brekalo', 'Josip '), ('31', '3', 'SS', '27', '8', 'Philipp', 'Maximilian '), ('32', '3', 'RB', '23', '22', 'Baku', 'Ridle '), ('33', '3', 'ST', '28', '30', 'Weghorst', 'Wout ');

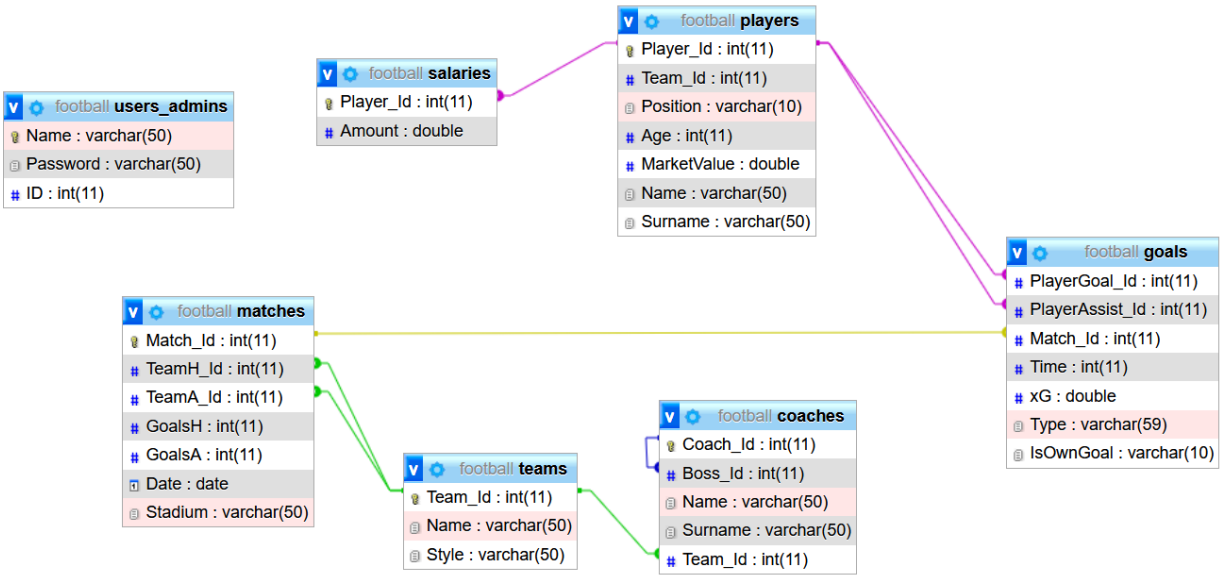
INSERT INTO `players` (`Player_Id`, `Team_Id`, `Position`, `Age`, `MarketValue`, `Name`, `Surname`) VALUES ('34', '4', 'GK', '33', '1.7', 'Hitz', 'Marwin '), ('35', '4', 'LB', '27', '35', 'Guerreiro', 'Raphaël '), ('36', '4', 'CB', '25', '25', 'Akanji', 'Manuel '), ('37', '4', 'CB', '32', '15', 'Hummels', 'Mats '), ('38', '4', 'RB', '35', '1.3', 'Piszczek', 'Lukasz '), ('39', '4', 'CB', '26', '27', 'Can', 'Emre'), ('40', '4', 'CM', '25', '11', 'Dahoud', 'Mahmoud '), ('41', '4', 'CAM', '31', '15', 'Reus', 'Marco '), ('42', '4', 'LW', '21', '100', 'Sancho', 'Jadon '), ('43', '4', 'CAM', '18', '38', 'Reyna', 'Giovanni '), ('44', '4', 'ST', '20', '110', 'Haaland', 'Erling ');

INSERT INTO `coaches` (`Coach_Id`, `Boss_Id`, `Name`, `Surname`, `Win_rate`, `Team_Id`) VALUES ('1', '1', 'Flick', 'Hans', '', '1'), ('2', '2', 'Röhl', 'Danny ', '', '1'), ('3', '3', 'Klose', 'Miroslav ', '', '1'), ('4', '3', 'Tapalovic', 'Toni ', '', '1'), ('5', '1', 'Nagelsmann', 'Julian ', '', '2'), ('6', '2', 'Volz', 'Moritz ', '', '2'), ('7', '2', 'Toppmöller', 'Dino ', '', '2'), ('8', '3', 'Gößling', 'Frederik ', '', '2'), ('9', '1', 'Glasner', 'Oliver ', '', '3'), ('10', '2', 'Angerschmid', 'Michael ', '', '3'), ('11', '1', 'Terzic', 'Edin ', '', '4'), ('12', '2', 'Addo', ' Otto ', '', '4'), ('13', '3', 'Kleinsteiber', 'Matthias ', '', '4');

INSERT INTO `matches` (`Match_Id`, `TeamH_Id`, `TeamA_Id`, `GoalsH`, `GoalsA`, `Date`, `Stadium`) VALUES ('1', '4', '1', '2', '3', '07-11-2020', 'Signal Iduna Park'), ('2', '1', '2', '3', '3', '05-12-2020', 'Allianz Arena'), ('3', '1', '3', '2', '1', '16-12-2020', 'Allianz Arena'), ('4', '1', '4', '4', '2', '06-03-2021', 'Allianz Arena'), ('5', '3', '1', '2', '3', '17-04-2021', 'Volsgaven Arena'), ('6', '2', '1', '0', '1', '20-03-2021', 'RedBull Arena');

INSERT INTO `matches` (`Match_Id`, `TeamH_Id`, `TeamA_Id`, `GoalsH`, `GoalsA`, `Date`, `Stadium`) VALUES ('7', '4', '3', '2', '0', '2021-01-03', 'Signal Iduna Park'), ('8', '3', '2', '2', '2', '2021-01-16', 'Volswagen Arena'), ('9', '3', '4', '0', '2', '2021-04-14', 'Volswagen Arena'), ('10', '2', '4', '1', '3', '2021-01-09', 'Signal Iduna Park'), ('11', '4', '2', '3', '2', '2021-05-16', 'Signal Iduna Park');

The database Diagram:



Relations:

1-1: Salary-Player

1-m: Coaches-Team, Players-Team, Match-Goals

n-m: Players-Goals, Teams-Matches

recursive: within Coaches tables: Coach_Id-Boss_Id, the coaches have an unique Coach_Id and the Boss_Id gives **the hierarchy**, **one coach can supervise another** coach, both having **the same entity class**

Constrains:

In users_admins: *the ID can be either 1 or 2* ***(1-admin, 2-user)***

ALTER TABLE users_admins ADD CONSTRAINT **CHK_ID CHECK** (ID = 1 OR ID = 2)

In coaches: *the boss_id can be either 1,2 or 3* ***(1-main coach, 2-second coach, 3-auxiliary coach)***

ALTER TABLE coaches ADD CONSTRAINT **CHK_BOSS_ID** CHECK (Boss_Id = 1 OR Boss_Id = 2 OR Boss_Id = 3)

In goals: *the isOwnGoal attribute can be either* ***yes*** *or* ***no***

ALTER TABLE goals ADD CONSTRAINT CHK_OWN_GOAL CHECK (IsOwnGoal = "yes" OR IsOwnGoal = "no")

In goals: *you can enter one some specific types of goals:* ***regular, header ... etc.***

ALTER TABLE goals ADD CONSTRAINT CHK_TYPE_GOAL CHECK (Type = "regular" OR Type = "header" OR Type = "wide" OR Type = "counter" OR Type = "cross" OR Type = "through-ball" OR Type = "penalty" OR Type = "set-piece")

Views

Goalscorers

*The view has created using the operation **JOIN**, the function **COUNT** and*

GROUP BY, ORDER BY

```
CREATE OR REPLACE VIEW goalscorers AS
SELECT DISTINCT COUNT(g.PlayerGoal_Id) AS NumberOfGoals, p.Surname,p.Name
FROM goals g JOIN players p ON g.PlayerGoal_Id = p.Player_Id
GROUP BY g.PlayerGoal_Id
ORDER BY NumberOfGoals DESC
```

NumberOfGoals	NumberOfAssists	Surname	Name
6	4	Robert	Lewandowski
3	1	Erling	Haaland
2	2	Thomas	Müller
2	2	Maximilian	Philipp
1	1	Emil	Forsberg
1	1	Marco	Reus
1	1	Wout	Weghorst
1	1	Kingsley	Coman
1	0	Leon	Goretzka

PlayerWithSameMV

*The view has created using **SELF JOIN**, the function **COUNT** and **GROUP BY, ORDER BY***

```
CREATE OR REPLACE VIEW PlayerWithSameMV AS

SELECT A.Name AS NamePlayer1, A.Surname AS SurnamePlayer1, B.Name AS NamePlayer2, B.Surname AS SurnamePlayer2,

A.MarketValue AS 'MV (mil euro)'

FROM players A, players B

WHERE A.Player_Id <> B.Player_Id

AND A.MarketValue = B.MarketValue

GROUP BY A.Age+B.Age+A.MarketValue

ORDER BY A.MarketValue DESC;
```

NamePlayer1	SurnamePlayer1	NamePlayer2	SurnamePlayer2	MV (mil euro)
Sané	Leroy	Goretzka	Leon	70
Upamecano	Dayot	Lewandowski	Robert	60
Reyna	Giovanni	Olmo	Dani	38
Guerreiro	Raphaël	Pavard	Benjamin	35
Guerreiro	Raphaël		Angeliño	35
	Angeliño	Müller	Thomas	35
Müller	Thomas	Pavard	Benjamin	35
Guerreiro	Raphaël	Müller	Thomas	35
	Angeliño	Pavard	Benjamin	35
Akanji	Manuel	Lacroix	Maxence	25
Baku	Ridle	Schlager	Xaver	22
Sörloth	Alexander	Neuer	Manuel	18
Kampl	Kevin	Orban	Willi	14
Brekalo	Josip	Brooks	John Anthony	12
Brooks	John Anthony	Henrichs	Benjamin	12
Brekalo	Josip	Henrichs	Benjamin	12

TotalAvgMV

*The view has created using the operator **JOIN**, the functions **COUNT, SUM and ROUND** and **GROUP BY, ORDER BY***

CREATE OR REPLACE VIEW TotalAvgMV AS

SELECT DISTINCT teams.Name,SUM(players.MarketValue) AS TotalMV,

ROUND(SUM(players.MarketValue)/ COUNT(players.Player_Id)) AS AverageMV

FROM teams JOIN players ON teams.Team_Id = players.Team_Id

WHERE players.Team_Id = teams.Team_Id

GROUP BY teams.Team_Id

ORDER BY TotalMV DESC

Name	TotalMV	AverageMV
Bayern Munchen	573	52
Borussia Dortmund	379	34
RB Leipzig	285	28
Wolfsburg	176	16

GoalsOverAvg

*The view has created using **SELECT WITHIN SELECT,** the operator **JOIN** and*

ORDER BY

CREATE OR REPLACE VIEW GoalsOverAvg AS

SELECT goals.Match_Id,matches.Date,matches.Stadium,players.Name AS Scorer,goals.Time,goals.xG

FROM goals JOIN matches ON goals.Match_Id = matches.Match_Id JOIN players ON players.Player_Id = goals.PlayerGoal_Id

WHERE goals.xG > (SELECT SUM(goals.xG)/ COUNT(goals.xG) FROM goals)

ORDER BY goals.xG DESC

Date	Stadium	Scorer	Time	xG
2021-03-06	Allianz Arena	Lewandowski	44	0.6
2020-11-07	Signal Iduna Park	Reus	45	0.4
2020-11-07	Signal Iduna Park	Haaland	83	0.4
2020-11-07	Signal Iduna Park	Coman	80	0.4
2020-11-07	Signal Iduna Park	Lewandowski	48	0.3
2020-12-05	Allianz Arena	Müller	34	0.3
2021-04-17	Volswagen Arena	Weghorst	35	0.3
2021-03-06	Allianz Arena	Haaland	9	0.3

GoalsWithNoAssist

*The view has created using**,** the operator **INNER JOIN**, the **IS NULL** and **ORDER BY***

CREATE OR REPLACE VIEW GoalsWithNoAssist AS

SELECT players.Name,players.Surname,goals.Type,goals.xG

FROM goals INNER JOIN players on goals.PlayerGoal_Id = players.Player_Id

WHERE goals.PlayerAssist_Id IS NULL

ORDER BY goals.xG DESC

Name	Surname	Type	xG
Lewandowski	Robert	penalty	0.6
Lewandowski	Robert	regular	0.3
Haaland	Erling	counter	0.3
Goretzka	Leon	regular	0.15
Haaland	Erling	counter	0.1

TeamStadiums

*The view has created using, the operator **JOIN** and **GROUP BY, ORDER BY***

CREATE OR REPLACE VIEW TeamStadiums AS

SELECT teams.Name, matches.Stadium

FROM teams JOIN matches on (matches.TeamH_Id = teams.Team_Id or matches.TeamA_Id = teams.Team_Id)

WHERE teams.Team_Id = matches.TeamH_Id

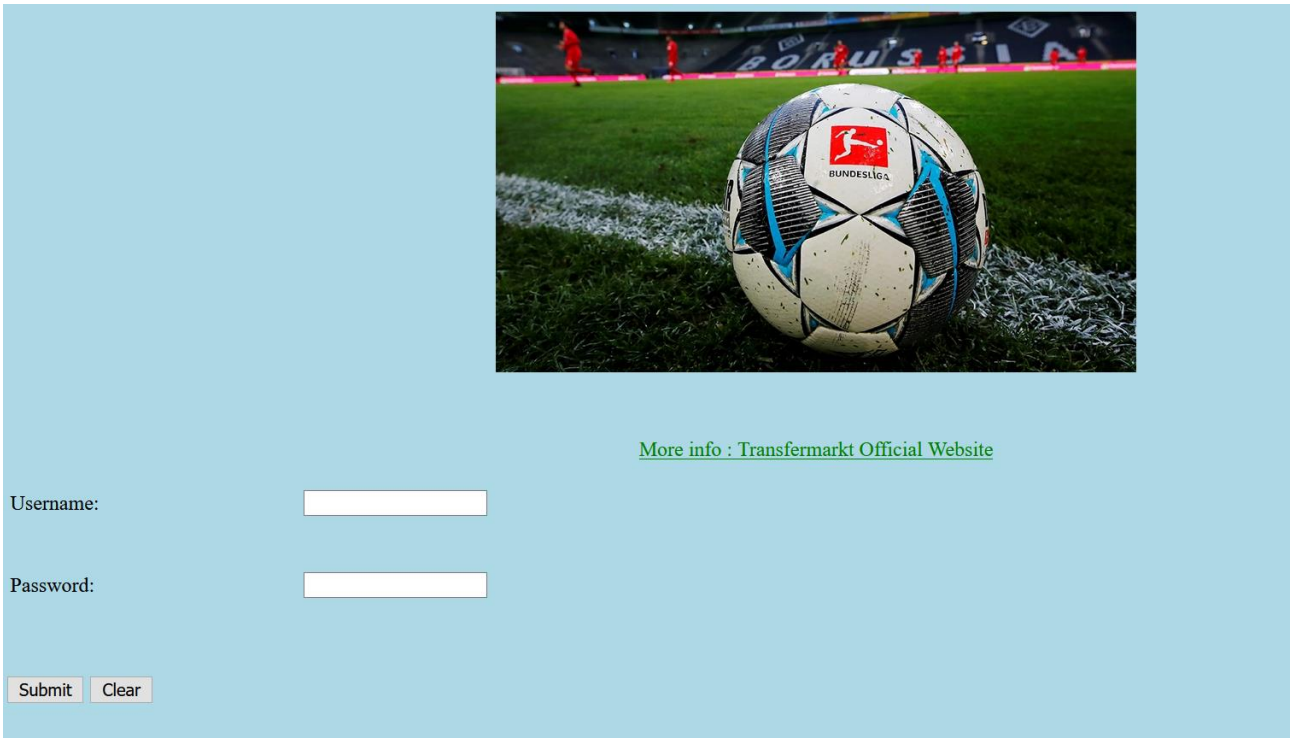
GROUP BY teams.Name

ORDER BY teams.Team_Id

Name	Stadium
Bayern Munchen	Allianz Arena
RB Leipzig	RedBull Arena
Wolfsburg	Volswagen Arena
Borussia Dortmund	Signal Iduna Park

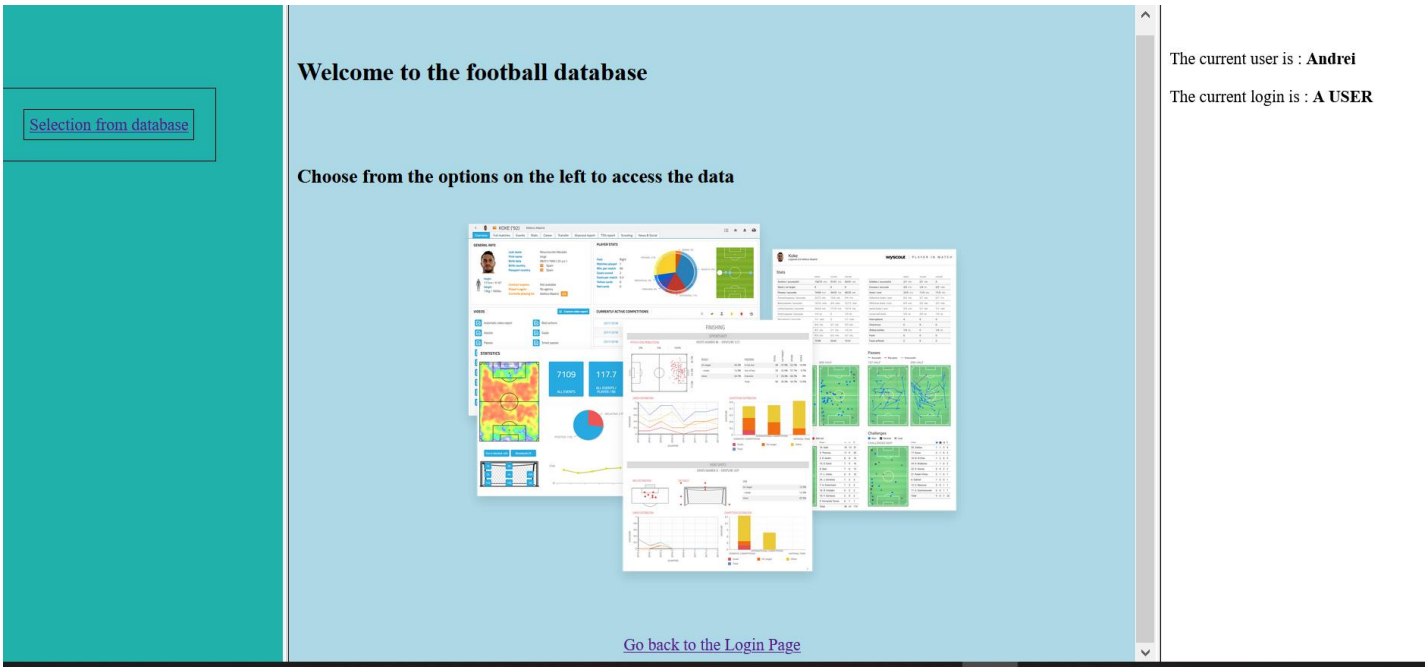
The WEB Application

The Login Page



The Admin Main Page

The User Main Page



The main difference is that the **Admin** can apply all the modification to the database: **INSERTION, UPDATE, DELETE** and view all the data. The **User** can only view the database, basically only by applying the **SELECT**.

If the user does not exist or the password is incorrect, the client in redirected to a warning page, where there is a BACK TO LOGIN link.

Connecting to database ...

The username Laurentiu or password 12345 incorrect or inexistant!
Go back to index page! Go back to the Login Page

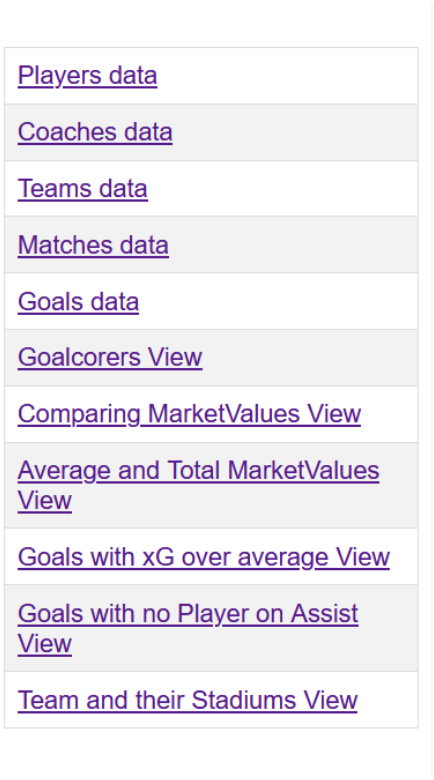
There is also a page where, if by unknown circumstances, a user gets on an Admin account, he is redirected when trying to access the INSERT, UPDATE or DELETE.

```
session_start();
$usr = $_SESSION["usr"];

# verify is the account is Admin, if not, send the user to an info pag
e
$sql = "SELECT users_admins.ID FROM users_admins Where users_admins.Na
me = '$usr' ";
$result = $con-> query($sql);

if ($result-> num_rows > 0){
    if($result-> fetch_assoc()['ID'] == 2){
        header("Location: notAdmin.php");
        exit;
    }
}
```

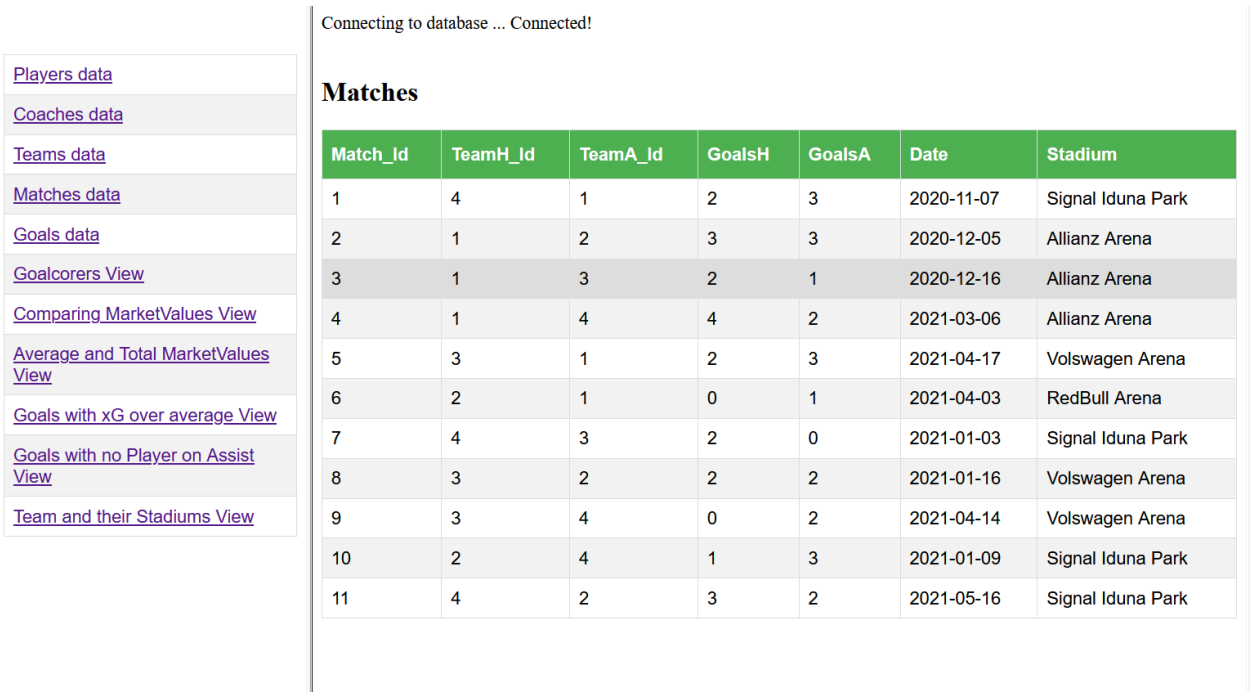
notAdmin.php:

```
<?php

    echo("<br>");
    echo("<br>");
    echo("<br>");
    echo("<br>");
    echo(" You are on a user account!");
    echo("<br>");
    echo("You need to be an admin to be allowed to make changes!");
    echo("<br>");
    echo("<br>");
    echo("Go back to the login and enter a admin account, if you have one.");

?>
```

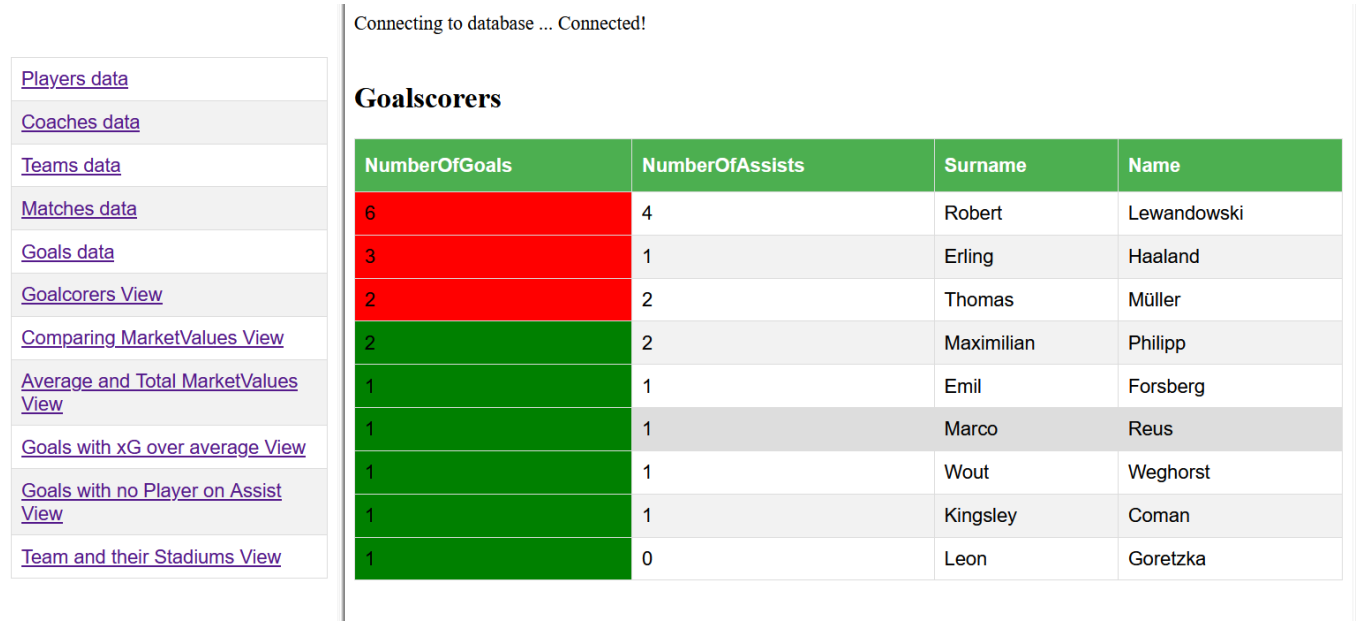
The selection menu:



Example: Matches data



Example: Goalscorers and GoalsOverAvg Views

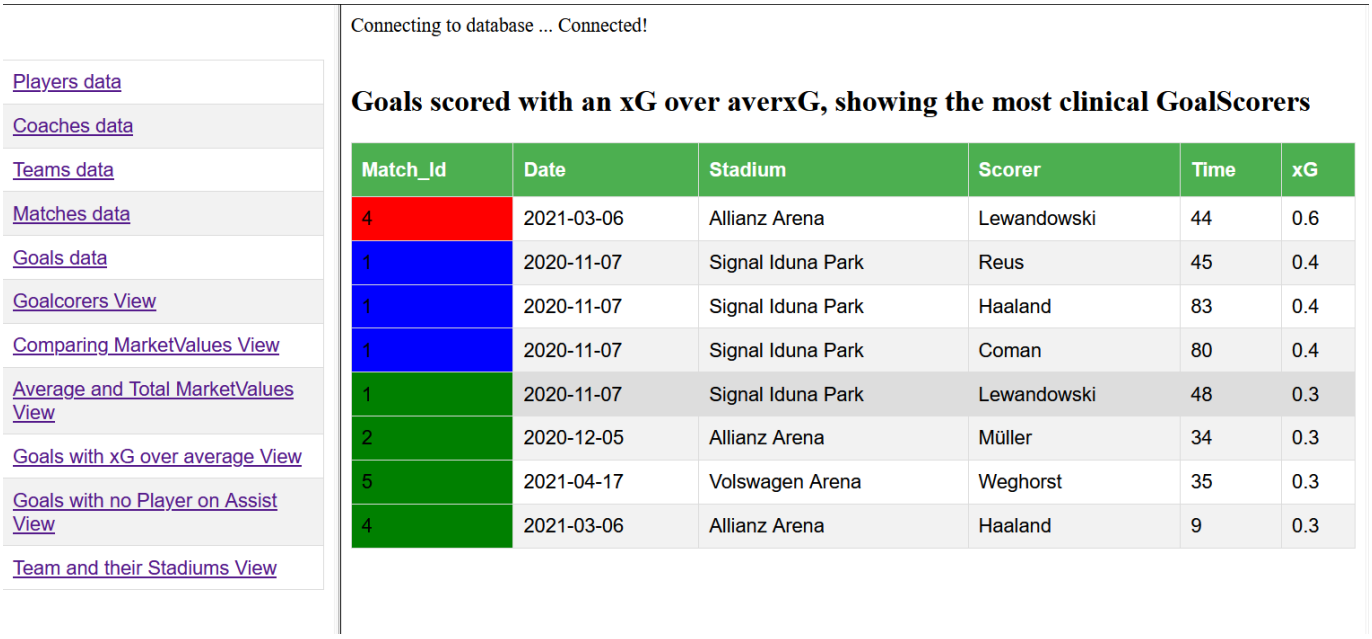


Players data
Coaches data
Teams data
Matches data
Goals data
Goalcorers View
Comparing MarketValues View
Average and Total MarketValues View
Goals with xG over average View
Goals with no Player on Assist View
Team and their Stadiums View

Connecting to database ... Connected!

Goalscorers

NumberOfGoals	NumberOfAssists	Surname	Name
6	4	Robert	Lewandowski
3	1	Erling	Haaland
2	2	Thomas	Müller
2	2	Maximilian	Philipp
1	1	Emil	Forsberg
1	1	Marco	Reus
1	1	Wout	Weghorst
1	1	Kingsley	Coman
1	0	Leon	Goretzka



Players data
Coaches data
Teams data
Matches data
Goals data
Goalcorers View
Comparing MarketValues View
Average and Total MarketValues View
Goals with xG over average View
Goals with no Player on Assist View
Team and their Stadiums View

Connecting to database ... Connected!

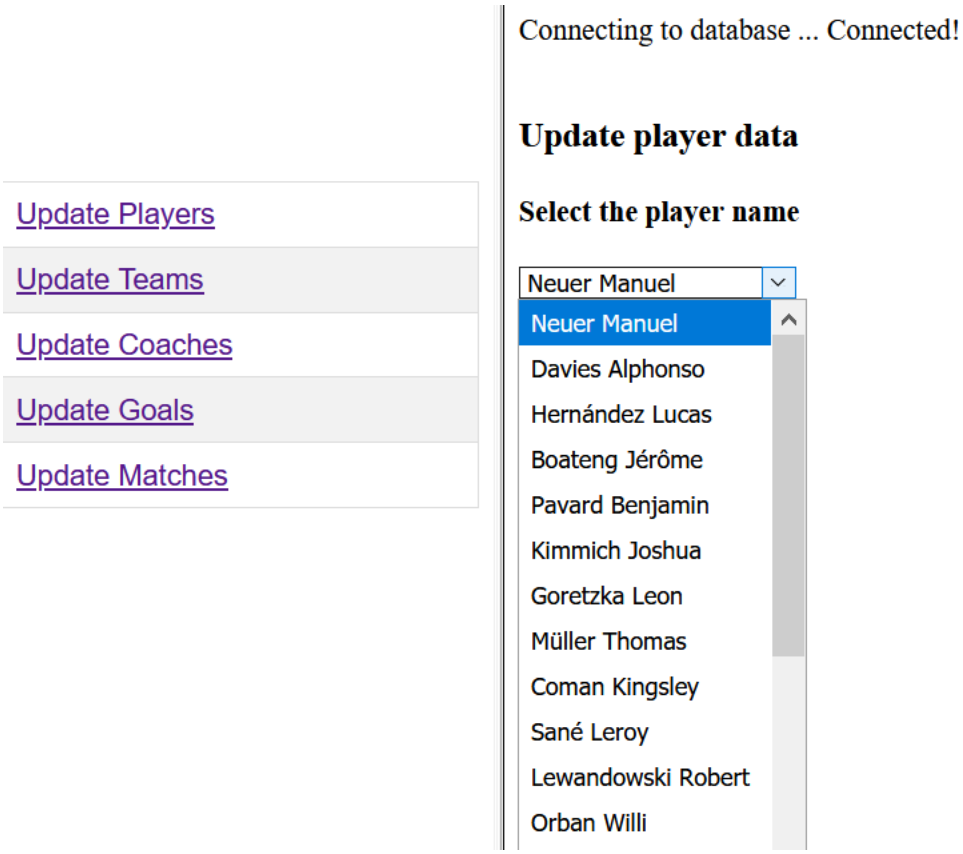
Goals scored with an xG over averxG, showing the most clinical GoalScorers

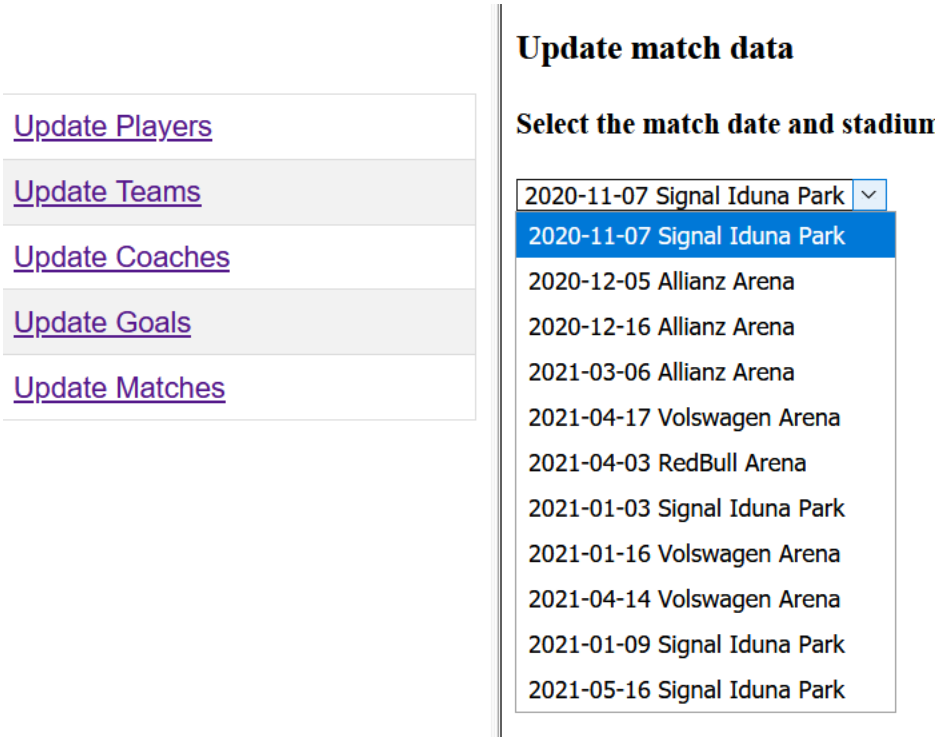
Match_Id	Date	Stadium	Scorer	Time	xG
4	2021-03-06	Allianz Arena	Lewandowski	44	0.6
1	2020-11-07	Signal Iduna Park	Reus	45	0.4
1	2020-11-07	Signal Iduna Park	Haaland	83	0.4
1	2020-11-07	Signal Iduna Park	Coman	80	0.4
1	2020-11-07	Signal Iduna Park	Lewandowski	48	0.3
2	2020-12-05	Allianz Arena	Müller	34	0.3
5	2021-04-17	Volswagen Arena	Weghorst	35	0.3
4	2021-03-06	Allianz Arena	Haaland	9	0.3

Example: Goals with no Assist Player View

The UPDATE menu:

Examples: Update Player, Match





Update player data

Insert data

ID of player: 1

Name:

Surname:

Position:

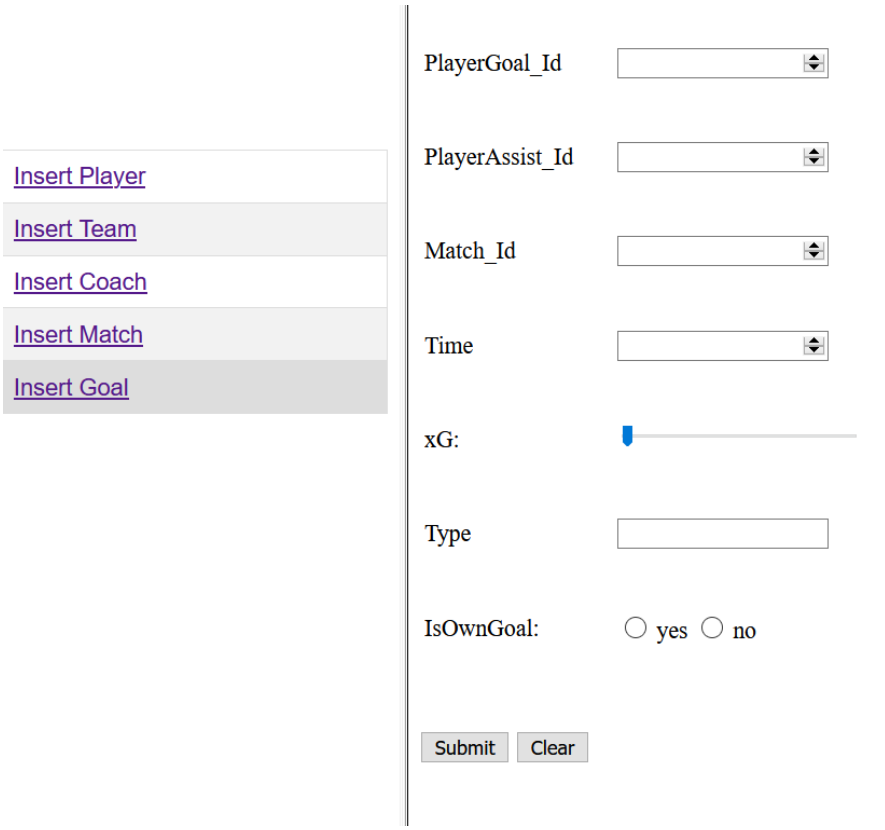
Age:

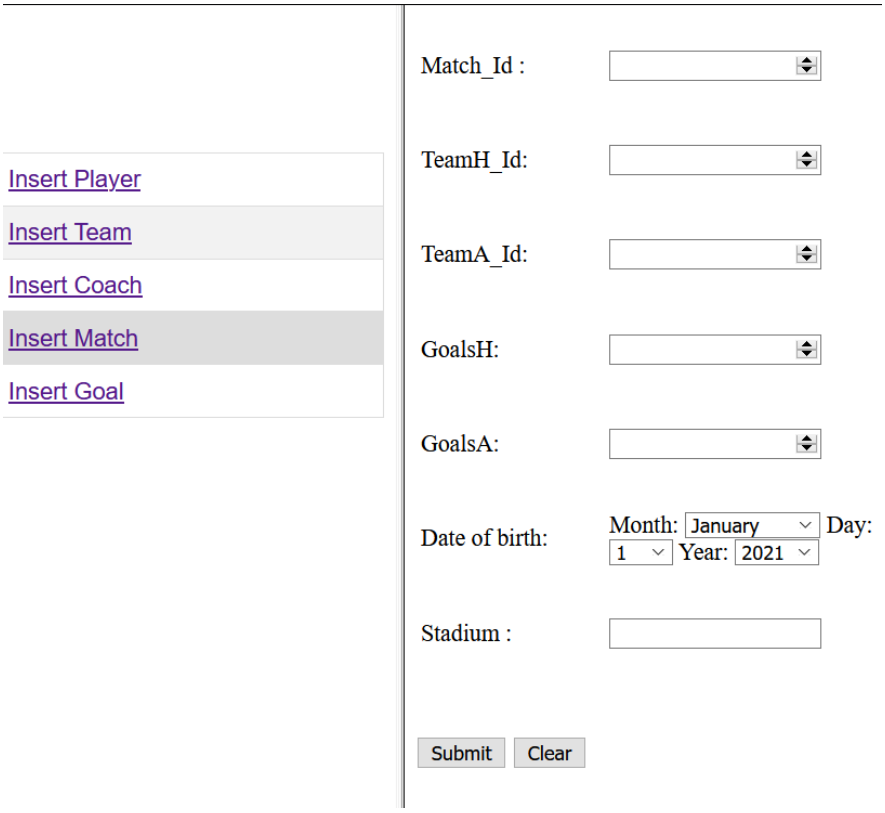
MarketValue:

Submit

The INSERT menu:

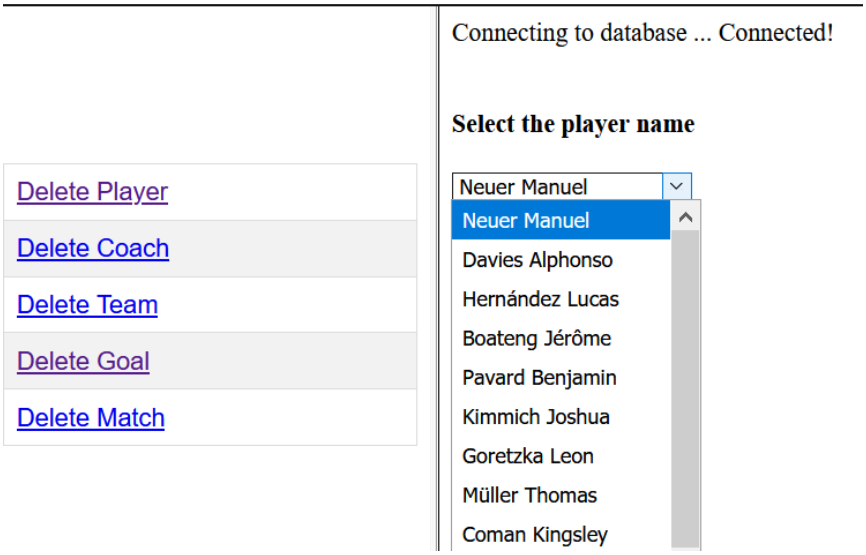
Example: Insert Goal, Match

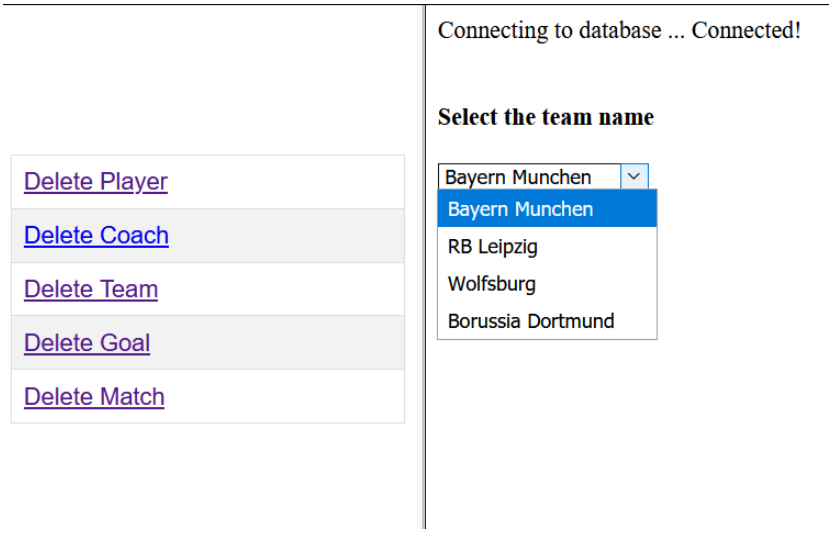




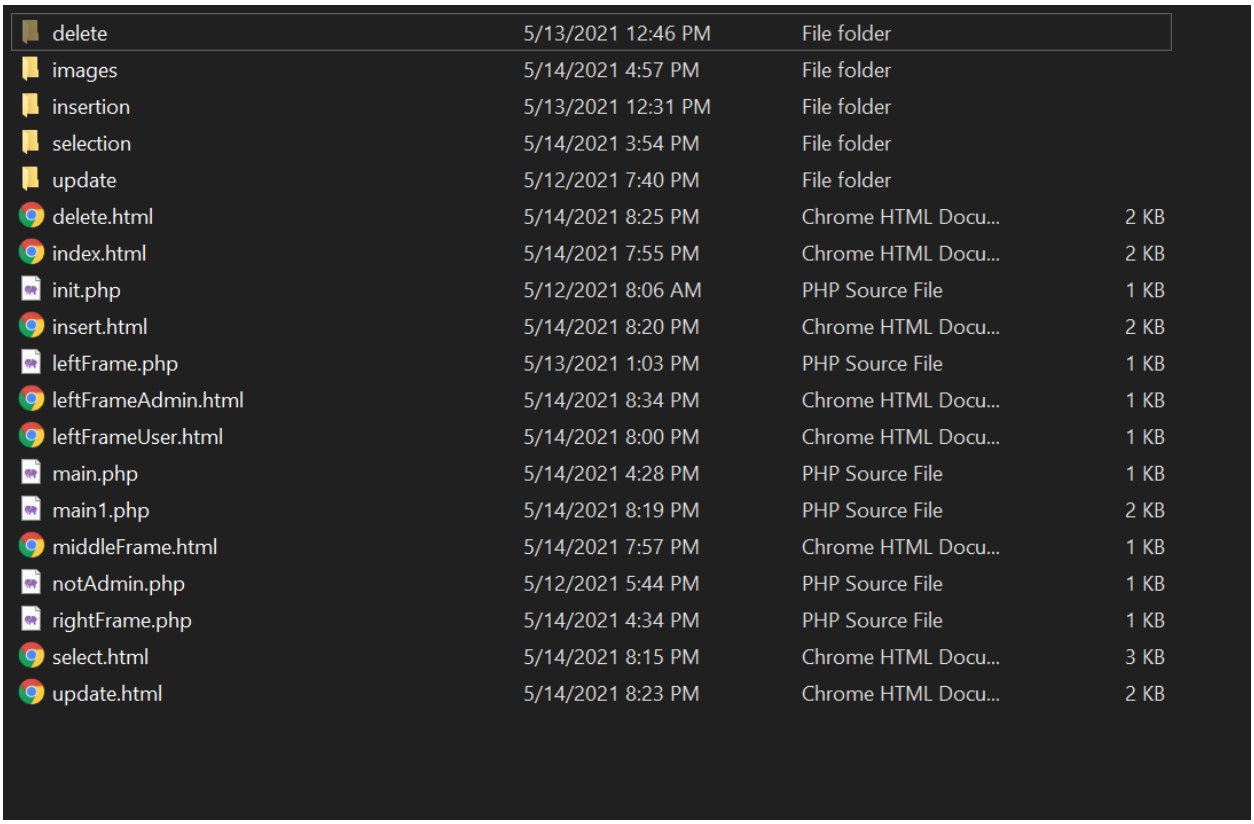
The DELETE menu:

Examples: Delete Player,Team



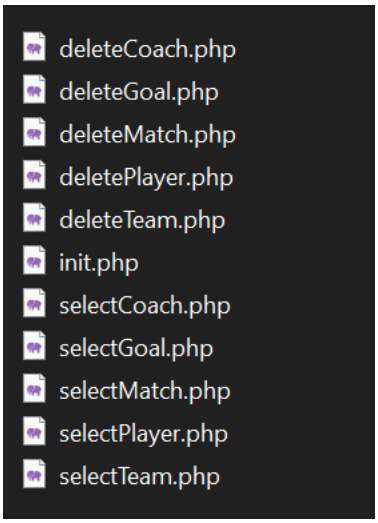


The files in the project:



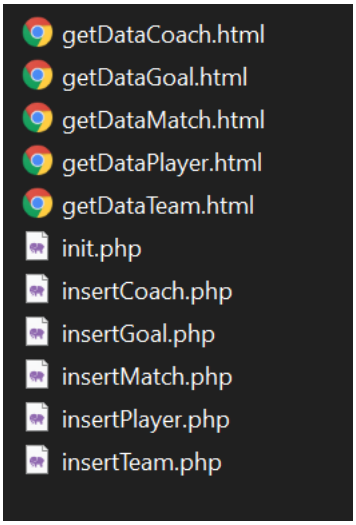
delete	5/13/2021 12:46 PM	File folder	
images	5/14/2021 4:57 PM	File folder	
insertion	5/13/2021 12:31 PM	File folder	
selection	5/14/2021 3:54 PM	File folder	
update	5/12/2021 7:40 PM	File folder	
delete.html	5/14/2021 8:25 PM	Chrome HTML Docu...	2 KB
index.html	5/14/2021 7:55 PM	Chrome HTML Docu...	2 KB
init.php	5/12/2021 8:06 AM	PHP Source File	1 KB
insert.html	5/14/2021 8:20 PM	Chrome HTML Docu...	2 KB
leftFrame.php	5/13/2021 1:03 PM	PHP Source File	1 KB
leftFrameAdmin.html	5/14/2021 8:34 PM	Chrome HTML Docu...	1 KB
leftFrameUser.html	5/14/2021 8:00 PM	Chrome HTML Docu...	1 KB
main.php	5/14/2021 4:28 PM	PHP Source File	1 KB
main1.php	5/14/2021 8:19 PM	PHP Source File	2 KB
middleFrame.html	5/14/2021 7:57 PM	Chrome HTML Docu...	1 KB
notAdmin.php	5/12/2021 5:44 PM	PHP Source File	1 KB
rightFrame.php	5/14/2021 4:34 PM	PHP Source File	1 KB
select.html	5/14/2021 8:15 PM	Chrome HTML Docu...	3 KB
update.html	5/14/2021 8:23 PM	Chrome HTML Docu...	2 KB

delete:

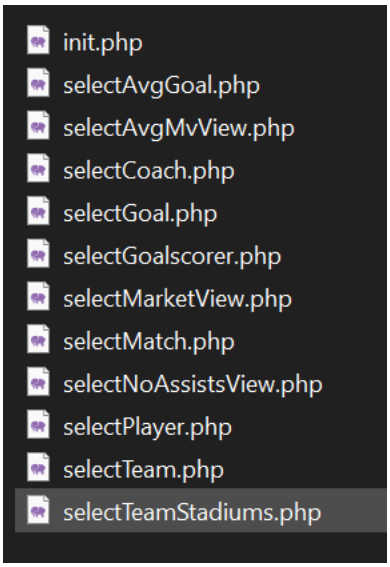


- deleteCoach.php
- deleteGoal.php
- deleteMatch.php
- deletePlayer.php
- deleteTeam.php
- init.php
- selectCoach.php
- selectGoal.php
- selectMatch.php
- selectPlayer.php
- selectTeam.php

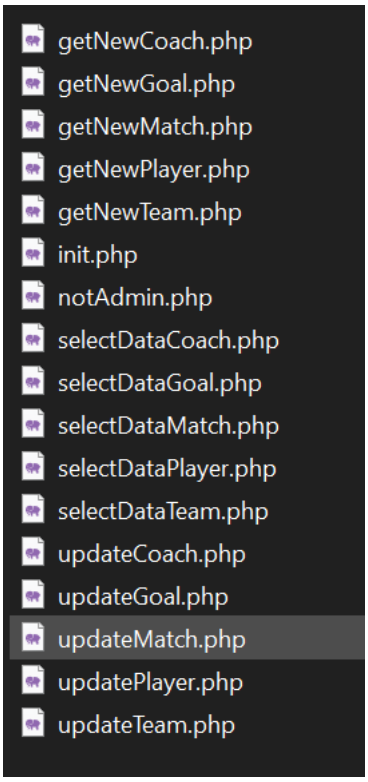
insertion:



selection:



update:



The idea of the project:

The idea came from my passion about the sport and the fact that nowadays, football has begun a whole industry, where data collection, storing and processing have begun a huge business. As such, a football database is something very common in big consulting companies, which collect data and transform them into valuable information.

All the data comes from “Transfermarkt” official website and are real, actual data, which I took from their site and put into my database.

I hope a can develop more complex applications starting with this idea and that my passion can become something I can work for.

References:

https://www.w3schools.com/ - tutorials on HTML, CSS and PHP

https://www.freecodecamp.org/ - many examples of function and applications

www.codegrepper.com – examples of PHP code

www.mode.com – SQL tutorials and examples

https://code.tutsplus.com/tutorials - HTML and PHP pages

www.sqlzoo.net – examples of SQL queries and ideas for the database

www.tutorialspoint.com – HTML and PHP examples

docs.microsoft.com – SQL statements and examples

https://www.php.net/manual/en/index.php - examples of PHP code: connecting to database and many others

DB_LaboratoryGuide – material from Teams files

https://www.transfermarkt.com/ - the source of all data in my football database and a site a usually use for football related information