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Assignment 3

E-R Table:

PlayerTraining

Pk	User
	Name
	Birthday
	Address
	Email
	Number
	Phone

Staff

Pk	UserID
	Title

Player

Pk	UserID
	Position
	Age

Statistics

Pk, Fk	UserID
Pk	Year
	LoginID
	Password
	Certificates

Manager

Pk	UserID
	LoginID
	Password
	Certificates

PlayerTraining

Pk, Fk1	PlayerID
Pk, Fk2	TrainingName
	ManagerID

MedicalTest

Pk, Fk	UserID
Pk	Month
	Date
	Result
Fk	DocName

Doctor

PK	DocName
	Email
	PhoneNum

Training

Pk	TrainingName
	Details
	TimeRequiered

PlayerGame

PK,FK1	PlayerID
PK,FK2	GameID
	Points
	numOfSteals

Game

PK	GameID
	GameDate
	Venue
	OpposingTeam

This assumes that:
1) The Doctor will be identified using his name.
2) The Game will be identified by the game ID.

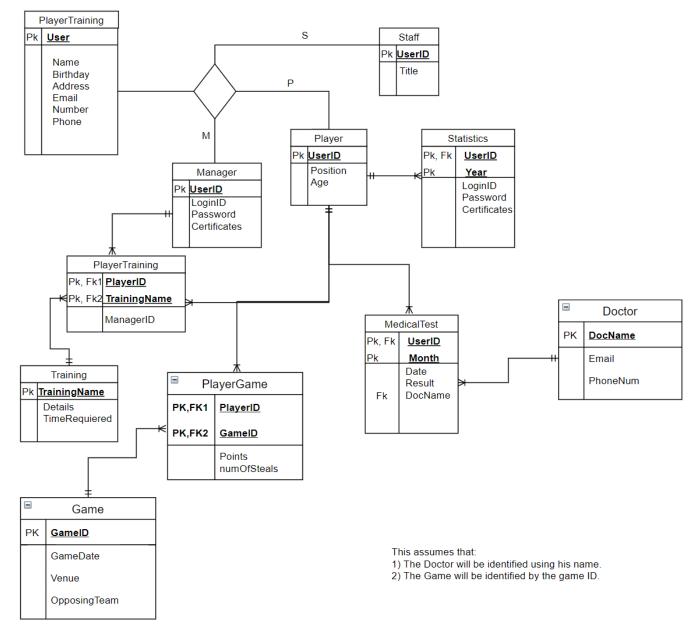## Restrictions:
1) The diagram will only show the structure and nothing specific about it.
2) There are no restrictions for example NOT NULL.
3) Also, there are no data types given.

Relational Tables:

User

Attribute	Data Type	Constraint	Key
UserID	VARCHAR	NOT NULL	Primary Key
Name	VARCHAR	NOT NULL	
Birthday	DATE	NOT NULL	
Address	VARCHAR	NOT NULL	
Email	VARCHAR	NOT NULL	
Phone	DECIMAL	NOT NULL	

Manager

Attribute	Data Type	Constraint	Key
UserID	VARCHAR	NOT NULL	Primary Key, Foreign Key
LoginID	VARCHAR	NOT NULL	
Certificates	VARCHAR	NOT NULL	

Player

Attribute	Data Type	Constraint	Key
UserID	VARCHAR	NOT NULL	Primary Key, Foreign Key
Position	VARCHAR	NOT NULL	
Age	INT	NOT NULL	

Staff

Attribute	Data Type	Constraint	Key
UserID	VARCHAR	NOT NULL	Primary Key, Foreign Key
Title	VARCHAR	NOT NULL	

Doctor

Attribute	Data Type	Constraint	Key
DocName	VARCHAR	NOT NULL	Primary Key
Email	VARCHAR	NOT NULL	
PhoneNum	VARCHAR	NOT NULL	

Statistics

Attribute	Data Type	Constraint	Key
PlayerID	VARCHAR	NOT NULL	Primary Key, Foreign Key
Year	INT	NOT NULL	Primary Key
Email	DECIMAL	NOT NULL	
PhoneNum	DECIMAL	NOT NULL	

MedicalTest

Attribute	Data Type	Constraint	Key
PlayerID	VARCHAR	NOT NULL	Primary Key, Foreign Key
Month	INT	NOT NULL	Primary Key
Date	DATE	NOT NULL	
Result	VARCHAR	NOT NULL	
DocName	VARCHAR	NOT NULL	Foreign Key

PlayerTraining

Attribute	Data Type	Constraint	Key
PlayerID	VARCHAR	NOT NULL	Primary Key, Foreign Key
TrainingName	VARCHAR	NOT NULL	Primary Key, Foreign Key
ManagerID	VARCHAR	NOT NULL	Foreign Key

Training

Attribute	Data Type	Constraint	Key
TrainingName	VARCHAR	NOT NULL	Primary Key
Details	VARCHAR	NOT NULL	
TimeRequired	DECIMAL	NOT NULL	

Game			
Attribute	**Data Type**	**Constraint**	**Key**
GameID	VARCHAR	NOT NULL	Primary Key
Venue	VARCHAR	NOT NULL	
OpponentTeam	VARCHAR	NOT NULL	
GameDate	DATE	NOT NULL	

PlayerGame			
Attribute	**Data Type**	**Constraint**	**Key**
PlayerID	VARCHAR	NOT NULL	Primary Key, Foreign Key
GameID	VARCHAR	NOT NULL	Primary Key, Foreign Key
Points	INT	NOT NULL	
numOfSteals	INT	NOT NULL	