

MongoDB model for Football Schema

The following sections show sample data for the manager, player and club statistics, milestone goals as collections of documents as designed in the Football schema using mongo DB. The sample screenshots are taken from the mongo DB Compass for better view of the document structure.

ManagerStats collection

```
{
  "_id": ObjectId("5c5721a1be28cde11c255cb"),
  "managerName": "Unai Emery",
  "NumberOfMatches": "24",
  "NumberOfWins": "14",
  "ManagerOfTheMonthAward": "0",
  "Contract": Array(
    {
      "year": 2017,
      "Team": "Arsenal",
      "salary": "19000"
    },
    {
      "year": 2018,
      "Team": "Manchester United",
      "salary": "120000"
    }
  )
}
```

ManagerStats collection properties.

managerName – stores the manager's name

NumberOfMatches, NumberOfWins - total number of matches played and won under the guidance of the manager

ManagerOfTheMonthAward – an array of embedded documents containing the year and month for each award won.

Contract - an array of embedded documents containing the contract year, team and salary for each contract entered.

clubStats collection

```
{
  "_id": ObjectId("5c5721a1be28cde11c255c7"),
  "name": "Manchester United",
  "manager": "Ole Gunnar Solskjaer",
  "Budget": "50000",
  "TitlesWon": Array(
    {
      "year": "2017",
      "TrophyName": "EPL"
    },
    {
      "year": "2018",
      "TrophyName": "FA Cup"
    }
  ),
  "SeasonPoints": Array(
    {
      "Year": "2017",
      "Points": "20"
    },
    {
      "Year": "2018",
      "Points": "25"
    }
  ),
  "AnnualRevenue": Array(
    {
      "Year": "2017",
      "Revenue": "70000"
    },
    {
      "Year": "2018",
      "Revenue": "80000"
    }
  )
}
```

clubStats collection properties:

name – indicates the club name

manager – stores the manager's name

Budget – stores the budget of the club

TitlesWon – an array of embedded documents containing the year and name of each trophy/title won.

SeasonPoints - an array of embedded documents containing the year and total points gained for each season participated.

AnnualRevenue - an array of embedded documents containing the year and revenue generated for each year.

MilestoneGoals collection:

```
{
  "_id": ObjectId("5c5a4a85abc5795a504c47e0"),
  "Goal Number": 10,
  "Scored By": "Paul Pogba",
  "Playing for": "Manchester United",
  "Against": "Liverpool",
  "Minutes": "10"
}
```

MilestoneGoals collection properties:

Goal Number – indicates the milestone goal

Scored By – player's name who scored the milestone goal

Playing for - player's team name

playerStats collection:

```
Name: "Sergio Romero"
Team: "Manchester United"
Height: "192cm"
Position: "GoalKeeper"
Goals: "0"
Saves: "20"
Assists: "0"
YellowCards: "0"
RedCards: "0"
BasePrice: "50000"
ManOfTheMatch: "0"
Tackles: "200"
Awards: "0"
Performance: "0"
Contract: Array
  0: Object
    Salary: "109800"
    Year: "2018"
    Team: "Manchester United"
    Active: "true"
  1: Object
MinutesPlayed: Array
  0: Object
    year: 2017
    Minutes: "400"
  1: Object
```

playerStats collection properties:

name, Height – indicates the player's name, height

Team – stores the team to which the player belongs

Position – indicates the role of the player in the matches

Goals, Saves, Assists, Tackles – indicate the total number of goals scored/saves made, assists and tackles made by the player over his tenure in the league

RedCards, YellowCards – Indicates the total number of red/yellow cards received till date

ManOfTheMatch – total number of the award received by the player till date

BasePrice – indicates the base price of the player's market value

Performance – calculated value based on the player's overall performance in the games

MinutesPlayed - an array of embedded documents containing the year and