CSE-5331-001-DBMS MODELS AND IMPLEMENTATION TECHNIQUES

Project 2 Phase 1

MongoDB Installation and Load Data into MongoDB

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We used command prompt terminal for running mongoDB.

Checking the version of mongoDB:

Running mongoDB:

Loading Data Files into mongoDB:

List of Collections:

Team Collection:

Stadium Collection:


```
C:\WINDOWS\system32\cmd.exe - mongo

> db.Stadiums.find().pretty()
{
        "_id" : ObjectId("5d44c1c73c873030cc18da70"),
        "SID" : "S1",
        "SName" : "Luzhniki Stadium",
        "SCity" : "Moscow",
        "SCapacity" : 80000
}
{
        "_id" : ObjectId("5d44c1c73c873030cc18da71"),
        "SID" : "S2",
        "SName" : "Saint Petersburg Stadium",
        "SCity" : "Saint Petersburg",
        "SCapacity" : 67000
}
{
        "_id" : ObjectId("5d44c1c73c873030cc18da72"),
        "SID" : "S3",
        "SName" : "Fisht Stadium",
        "SCity" : "Sochi",
        "SCapacity" : 48000
}
{
        "_id" : ObjectId("5d44c1c73c873030cc18da73"),
        "SID" : "S4",
        "SName" : "Ekaterinburg Arena",
        "SCity" : "Ekaterinburg",
        "SCapacity" : 45000
}
{
        "_id" : ObjectId("5d44c1c73c873030cc18da74"),
        "SID" : "S5",
        "SName" : "Kazan Arena",
        "SCity" : "Kazan",
        "SCapacity" : 45000
}
{
        "_id" : ObjectId("5d44c1c73c873030cc18da75"),
        "SID" : "S6",
        "SName" : "Nizhny Novgorod Stadium",
        "SCity" : "Nizhny Novgorod",
        "SCapacity" : 45000
}
{
        "_id" : ObjectId("5d44c1c73c873030cc18da76"),
        "SID" : "S7",
```

Players Collection:


```
C:\WINDOWS\system32\cmd.exe - mongo

> show collections
Cards
Extras
Goals
Own_Goals
Players
Schedule_Results
Stadiums
Starting_Lineups
Substitutes
Teams
> db.Players.find().pretty()
{
        "_id" : ObjectId("5d44c2383c873030cc18da80"),
        "Team" : "Argentina",
        "TeamID" : "D1",
        "PlayerID" : 1,
        "Position" : "GK",
        "FIFA Popular Name" : "GUZMAN Nahuel",
        "Birth Date" : "10.02.1986",
        "Shirt Name" : "GUZMAN",
        "Club" : "Tigres UANL (MEX)",
        "Height" : 192,
        "Weight" : 90
}
{
        "_id" : ObjectId("5d44c2383c873030cc18da81"),
        "Team" : "Argentina",
        "TeamID" : "D1",
        "PlayerID" : 2,
        "Position" : "DF",
        "FIFA Popular Name" : "MERCADO Gabriel",
        "Birth Date" : "18.03.1987",
        "Shirt Name" : "MERCADO",
        "Club" : "Sevilla FC (ESP)",
        "Height" : 181,
        "Weight" : 81
}
{
        "_id" : ObjectId("5d44c2383c873030cc18da82"),
        "Team" : "Argentina",
        "TeamID" : "D1",
        "PlayerID" : 4,
        "Position" : "DF",
        "FIFA Popular Name" : "ANSALDI Cristian",
        "Birth Date" : "20.09.1986",
```

Starting_Lineup Collection:

Substitutes Collection:

Schedule-Results Collection:

Own_Goals Collection:

Goals Collection:

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.Goals.find().pretty()
{
        "_id" : ObjectId("5d44c3bf3c873030cc18e4c1"),
        "GameID" : "G3",
        "TeamID" : "B3",
        "PlayerID" : 20,
        "Time" : "90+5",
        "For_TeamID" : "B4"
}
{
        "_id" : ObjectId("5d44c3bf3c873030cc18e4c2"),
        "GameID" : "G5",
        "TeamID" : "C2",
        "PlayerID" : 16,
        "Time" : 81,
        "For_TeamID" : "C1"
}
{
        "_id" : ObjectId("5d44c3bf3c873030cc18e4c3"),
        "GameID" : "G8",
        "TeamID" : "D4",
        "PlayerID" : 8,
        "Time" : 32,
        "For_TeamID" : "D3"
}
{
        "_id" : ObjectId("5d44c3bf3c873030cc18e4c4"),
        "GameID" : "G16",
        "TeamID" : "H1",
        "PlayerID" : 4,
        "Time" : 37,
        "For_TeamID" : "H2"
}
{
        "_id" : ObjectId("5d44c3bf3c873030cc18e4c5"),
        "GameID" : "G17",
        "TeamID" : "A3",
        "PlayerID" : 7,
        "Time" : 47,
        "For_TeamID" : "A1"
}
{
        "_id" : ObjectId("5d44c3bf3c873030cc18e4c6"),
        "GameID" : "G33",
        "TeamID" : "A1",
        "PlayerID" : 6,
```

Extras Collection:

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.Extras.find().pretty()
{
        "_id" : ObjectId("5d44c4063c873030cc18e572"),
        "GameID" : "G3",
        "TeamID" : "B4",
        "PlayerID" : 6,
        "Extra_Information" : "SUSPENDED",
        "Color_Dot" : "RED"
}
{
        "_id" : ObjectId("5d44c4063c873030cc18e573"),
        "GameID" : "G17",
        "TeamID" : "A1",
        "PlayerID" : 17,
        "Extra_Information" : "ABSENT",
        "Color_Dot" : "White"
}
{
        "_id" : ObjectId("5d44c4063c873030cc18e574"),
        "GameID" : "G17",
        "TeamID" : "A1",
        "PlayerID" : 9,
        "Extra_Information" : "MISSES NEXT MATCH IF BOOKED",
        "Color_Dot" : "Yellow"
}
{
        "_id" : ObjectId("5d44c4063c873030cc18e575"),
        "GameID" : "G17",
        "TeamID" : "A3",
        "PlayerID" : 6,
        "Extra_Information" : "MISSES NEXT MATCH IF BOOKED",
        "Color_Dot" : "Yellow"
}
{
        "_id" : ObjectId("5d44c4063c873030cc18e576"),
        "GameID" : "G17",
        "TeamID" : "A3",
        "PlayerID" : 5,
        "Extra_Information" : "MISSES NEXT MATCH IF BOOKED",
        "Color_Dot" : "Yellow"
}
{
        "_id" : ObjectId("5d44c4063c873030cc18e577"),
        "GameID" : "G18",
        "TeamID" : "B1",
        "PlayerID" : 16,
```

Cards Collection:


```
C:\WINDOWS\system32\cmd.exe - mongo
> db.Cards.find().pretty()
{
        "_id" : ObjectId("5d44c42f3c873030cc18e67b"),
        "GameID" : "G1",
        "TeamID" : "A1",
        "PlayerID" : 17,
        "Color_Card" : "Yellow",
        "Time" : 88
}
{
        "_id" : ObjectId("5d44c42f3c873030cc18e67c"),
        "GameID" : "G2",
        "TeamID" : "A3",
        "PlayerID" : 6,
        "Color_Card" : "Yellow",
        "Time" : "90+6"
}
{
        "_id" : ObjectId("5d44c42f3c873030cc18e67d"),
        "GameID" : "G2",
        "TeamID" : "A3",
        "PlayerID" : 5,
        "Color_Card" : "Yellow",
        "Time" : "90+4"
}
{
        "_id" : ObjectId("5d44c42f3c873030cc18e67e"),
        "GameID" : "G1",
        "TeamID" : "A2",
        "PlayerID" : 17,
        "Color_Card" : "Yellow",
        "Time" : "90+3"
}
{
        "_id" : ObjectId("5d44c42f3c873030cc18e67f"),
        "GameID" : "G3",
        "TeamID" : "B3",
        "PlayerID" : 8,
        "Color_Card" : "Yellow",
        "Time" : 34
}
{
        "_id" : ObjectId("5d44c42f3c873030cc18e680"),
        "GameID" : "G3",
        "TeamID" : "B4",
        "PlayerID" : 7,
```

Total Number of Documents:


```
C:\WINDOWS\system32\cmd.exe - mongo
> db.Cards.find().count()
225
>
```