

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:

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.18362.239]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\16822>mongo --version
MongoDB shell version v4.0.11
git version: 417d1a712e9f040d54beca8e4943edce218e9a8c
allocator: tcmalloc
modules: none
build environment:
  distmod: 2008plus-ssl
  distarch: x86_64
  target_arch: x86_64

C:\Users\16822>
```

Running mongoDB:

```
C:\WINDOWS\system32\cmd.exe - mongod
Microsoft Windows [Version 10.0.18362.239]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\16822>mongo --version
MongoDB shell version v4.0.11
git version: 417dia712e9f040d54beca8e4943edce218e9a8c
allocator: tcmalloc
modules: none
build environment:
  distmod: 2008plus-ssl
  distarch: x86_64
  target_arch: x86_64

C:\Users\16822>cd C:\Program Files\MongoDB\Server\4.0\bin

C:\Program Files\MongoDB\Server\4.0\bin>mongod
2019-08-02T17:49:14.409-0500 I CONTROL [main] Automatically disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'
2019-08-02T17:49:14.413-0500 I CONTROL [initandlisten] MongoDB starting : pid=9436 port=27017 dbpath=C:\data\db\ 64-bit host=Tramachine
2019-08-02T17:49:14.413-0500 I CONTROL [initandlisten] targetMinOS: Windows 7/Windows Server 2008 R2
2019-08-02T17:49:14.413-0500 I CONTROL [initandlisten] db version v4.0.11
2019-08-02T17:49:14.413-0500 I CONTROL [initandlisten] git version: 417dia712e9f040d54beca8e4943edce218e9a8c
2019-08-02T17:49:14.413-0500 I CONTROL [initandlisten] allocator: tcmalloc
2019-08-02T17:49:14.413-0500 I CONTROL [initandlisten] modules: none
2019-08-02T17:49:14.413-0500 I CONTROL [initandlisten] build environment:
2019-08-02T17:49:14.413-0500 I CONTROL [initandlisten]   distmod: 2008plus-ssl
2019-08-02T17:49:14.414-0500 I CONTROL [initandlisten]   distarch: x86_64
2019-08-02T17:49:14.414-0500 I CONTROL [initandlisten]   target_arch: x86_64
2019-08-02T17:49:14.414-0500 I CONTROL [initandlisten]   options: {}
2019-08-02T17:49:14.585-0500 I STORAGE [initandlisten] wiredtiger_open config: create,cache_size=3517M,session_max=20000,eviction=(threads_min
-4,threads_max=4),config_base=false,statistics=(fast),log=(enabled=true,archive=true,path=journal,compressor=snappy),file_manager=(close_idle_t
ime=100000),statistics_log=(wait=0),verbose=(recovery_progress),
2019-08-02T17:49:15.688-0500 I STORAGE [initandlisten] WiredTiger message [1564786155:688231][9436:140704052764240], txn-recover: Set global r
ecovery timestamp: 0
2019-08-02T17:49:15.821-0500 I RECOVERY [initandlisten] WiredTiger recoveryTimestamp. Ts: Timestamp(0, 0)
2019-08-02T17:49:16.084-0500 I CONTROL [initandlisten]
2019-08-02T17:49:16.085-0500 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2019-08-02T17:49:16.085-0500 I CONTROL [initandlisten] **   Read and write access to data and configuration is unrestricted.
2019-08-02T17:49:16.086-0500 I CONTROL [initandlisten]
2019-08-02T17:49:16.086-0500 I CONTROL [initandlisten] ** WARNING: This server is bound to localhost.
2019-08-02T17:49:16.086-0500 I CONTROL [initandlisten] **   Remote systems will be unable to connect to this server.
2019-08-02T17:49:16.087-0500 I CONTROL [initandlisten] **   Start the server with --bind_ip <address> to specify which IP
2019-08-02T17:49:16.087-0500 I CONTROL [initandlisten] **   addresses it should serve responses from, or with --bind_ip_all to
2019-08-02T17:49:16.087-0500 I CONTROL [initandlisten] **   bind to all interfaces. If this behavior is desired, start the
2019-08-02T17:49:16.088-0500 I CONTROL [initandlisten] **   server with --bind_ip 127.0.0.1 to disable this warning.
2019-08-02T17:49:16.088-0500 I CONTROL [initandlisten]
2019-08-02T17:49:16.093-0500 I STORAGE [initandlisten] createCollection: admin.system.version with provided UUID: e39603f0-02ec-4455-b82f-6165
2626d1e8

C:\WINDOWS\system32\cmd.exe - mongod
-4,threads_max=4),config_base=false,statistics=(fast),log=(enabled=true,archive=true,path=journal,compressor=snappy),file_manager=(close_idle_t
ime=100000),statistics_log=(wait=0),verbose=(recovery_progress),
2019-08-02T17:49:15.821-0500 I STORAGE [initandlisten] WiredTiger message [1564786155:688231][9436:140704052764240], txn-recover: Set global r
ecovery timestamp: 0
2019-08-02T17:49:15.821-0500 I RECOVERY [initandlisten] WiredTiger recoveryTimestamp. Ts: Timestamp(0, 0)
2019-08-02T17:49:16.084-0500 I CONTROL [initandlisten]
2019-08-02T17:49:16.085-0500 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2019-08-02T17:49:16.085-0500 I CONTROL [initandlisten] **   Read and write access to data and configuration is unrestricted.
2019-08-02T17:49:16.086-0500 I CONTROL [initandlisten]
2019-08-02T17:49:16.086-0500 I CONTROL [initandlisten] ** WARNING: This server is bound to localhost.
2019-08-02T17:49:16.086-0500 I CONTROL [initandlisten] **   Remote systems will be unable to connect to this server.
2019-08-02T17:49:16.087-0500 I CONTROL [initandlisten] **   Start the server with --bind_ip <address> to specify which IP
2019-08-02T17:49:16.087-0500 I CONTROL [initandlisten] **   addresses it should serve responses from, or with --bind_ip_all to
2019-08-02T17:49:16.087-0500 I CONTROL [initandlisten] **   bind to all interfaces. If this behavior is desired, start the
2019-08-02T17:49:16.088-0500 I CONTROL [initandlisten] **   server with --bind_ip 127.0.0.1 to disable this warning.
2019-08-02T17:49:16.088-0500 I CONTROL [initandlisten]
2019-08-02T17:49:16.093-0500 I STORAGE [initandlisten] createCollection: admin.system.version with provided UUID: e39603f0-02ec-4455-b82f-6165
2626d1e8
2019-08-02T17:49:16.236-0500 I COMMAND [initandlisten] setting featureCompatibilityVersion to 4.0
2019-08-02T17:49:16.261-0500 I STORAGE [initandlisten] createCollection: local.startup_log with generated UUID: 949cd58c-9db3-4198-a0a2-67f37e
df1cf5
2019-08-02T17:49:16.997-0500 I FTDC [initandlisten] Initializing full-time diagnostic data capture with directory 'C:\data\db\diagnostic.da
ta'
2019-08-02T17:49:17.003-0500 I NETWORK [initandlisten] waiting for connections on port 27017
2019-08-02T17:49:17.003-0500 I STORAGE [LogicalSessionCacheRefresh] createCollection: config.system.sessions with generated UUID: 209d3962-e56
9-46a0-81b6-d9e9fc2bbabe
2019-08-02T17:49:17.273-0500 I INDEX [LogicalSessionCacheRefresh] build index on: config.system.sessions properties: { v: 2, key: { lastUse:
1 }, name: "lsidTTLIndex", ns: "config.system.sessions", expireAfterSeconds: 1800 }
2019-08-02T17:49:17.273-0500 I INDEX [LogicalSessionCacheRefresh] building index using bulk method; build may temporarily use up to 500
megabytes of RAM
2019-08-02T17:49:17.298-0500 I INDEX [LogicalSessionCacheRefresh] build index done. scanned 0 total records. 0 secs
2019-08-02T17:49:17.300-0500 I COMMAND [LogicalSessionCacheRefresh] command config.$cmd command: createIndexes { createIndexes: "system.sessio
ns", indexes: [ { key: { lastUse: 1 }, name: "lsidTTLIndex", expireAfterSeconds: 1800 } ], $db: "config" } numYields:0 reslen:114 locks:{ Globa
l: { acquireCount: { r: 2, w: 2 } }, Database: { acquireCount: { w: 2, w: 1 } }, Collection: { acquireCount: { w: 2 } } } storage:{} protocol:o
p_msg 296ms
```

Loading Data Files into mongoDB:

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

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Teams --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-teams.csv" --headerline
2019-08-02T17:58:47.080-0500    connected to: localhost
2019-08-02T17:58:47.085-0500    imported 32 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Stadiums --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-stadiums.csv" --headerline
2019-08-02T18:05:43.818-0500    connected to: localhost
2019-08-02T18:05:44.058-0500    imported 12 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Players --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-rosters.csv" --headerline
2019-08-02T18:07:36.563-0500    connected to: localhost
2019-08-02T18:07:36.818-0500    imported 736 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Starting_Lineups --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-starting-lineups.csv" --headerline
2019-08-02T18:09:04.993-0500    connected to: localhost
2019-08-02T18:09:05.815-0500    imported 1408 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Substitutes --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-substitutes.csv" --headerline
2019-08-02T18:10:16.471-0500    connected to: localhost
2019-08-02T18:10:16.687-0500    imported 382 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Schedule_Results --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-schedule-results.csv" --headerline
2019-08-02T18:11:20.893-0500    Failed: open N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-schedule-results.csv: The system cannot find the file specified.
2019-08-02T18:11:20.894-0500    imported 0 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Schedule_Results --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-schedule-results.csv" --headerline
2019-08-02T18:12:01.496-0500    connected to: localhost
2019-08-02T18:12:02.488-0500    [#####] FIFA_2018.Schedule_Results    2.01KB/2.01KB (100.0%)
2019-08-02T18:12:02.500-0500    [#####] FIFA_2018.Schedule_Results    2.01KB/2.01KB (100.0%)
2019-08-02T18:12:02.500-0500    imported 64 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Own_Goals --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-own-goals.csv" --headerline
2019-08-02T18:13:13.278-0500    connected to: localhost
2019-08-02T18:13:13.478-0500    imported 12 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Goals --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-own-goals.csv" --headerline
2019-08-02T18:13:13.478-0500    imported 12 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Goals --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-goals.csv" --headerline
2019-08-02T18:14:07.723-0500    connected to: localhost
2019-08-02T18:14:07.945-0500    imported 12 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Goals --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-goals.csv" --headerline
2019-08-02T18:14:38.180-0500    connected to: localhost
2019-08-02T18:14:38.194-0500    imported 157 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Extras --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-extras.csv" --headerline
2019-08-02T18:15:18.512-0500    connected to: localhost
2019-08-02T18:15:19.103-0500    imported 261 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db FIFA_2018 --collection Cards --type csv --file "N:\STUDIES\Semester\Summer 2019\Database 2\Project 2\FIFA dataset__xid-132208277_2\FIFA dataset\world-cup-cards.csv" --headerline
2019-08-02T18:15:59.685-0500    connected to: localhost
2019-08-02T18:16:00.676-0500    [#####] FIFA_2018.Cards    4.60KB/4.60KB (100.0%)
2019-08-02T18:16:00.946-0500    [#####] FIFA_2018.Cards    4.60KB/4.60KB (100.0%)
2019-08-02T18:16:00.946-0500    imported 225 documents

C:\Program Files\MongoDB\Server\4.0\bin>
```

List of Collections:

```
C:\WINDOWS\system32\cmd.exe - mongo
> show dbs
FIFA_2018  0.000GB
admin      0.000GB
config     0.000GB
local      0.000GB
> use FIFA_2018
switched to db FIFA_2018
> show collections
Cards
Extras
Goals
Own_Goals
Players
Schedule_Results
Stadiums
Starting_Lineups
Substitutes
Teams
>
```

Team Collection:

```
C:\WINDOWS\system32\cmd.exe - mongo
> db
FIFA_2018
> show collections
Cards
Extras
Goals
Own_Goals
Players
Schedule_Results
Stadiums
Starting_Lineups
Substitutes
Teams
> db.Teams.find().pretty()
{
  "_id" : ObjectId("5d44c0163c873030cc18da26"),
  "TeamID" : "A2",
  "Team" : "Saudi Arabia",
  "Continent" : "Asia",
  "League" : "AFC"
}
{
  "_id" : ObjectId("5d44c0163c873030cc18da27"),
  "TeamID" : "A3",
  "Team" : "Egypt",
  "Continent" : "Africa",
  "League" : "CAF"
}
{
  "_id" : ObjectId("5d44c0163c873030cc18da28"),
  "TeamID" : "A4",
  "Team" : "Uruguay",
  "Continent" : "South America",
  "League" : "CONMEBOL"
}
{
  "_id" : ObjectId("5d44c0163c873030cc18da29"),
  "TeamID" : "B1",
  "Team" : "Portugal",
  "Continent" : "Europe",
  "League" : "UEFA"
}
{
  "_id" : ObjectId("5d44c0163c873030cc18da2a"),
  "TeamID" : "A1",
  "Team" : "Russia",
  "League" : "UEFA"
}
```

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",
  "SName" : "Nizhny Novgorod Stadium",
  "SCity" : "Nizhny Novgorod",
  "SCapacity" : 45000
}
```

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",
  "Height" : 181,
  "Weight" : 81
}
```

Starting_Lineup Collection:

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.Starting_Lineups.find().pretty()
{
  "_id" : ObjectId("5d44c2913c873030cc18dd65"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "PlayerID" : 1,
}
{
  "_id" : ObjectId("5d44c2913c873030cc18dd66"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "PlayerID" : 3,
}
{
  "_id" : ObjectId("5d44c2913c873030cc18dd67"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "PlayerID" : 4,
}
{
  "_id" : ObjectId("5d44c2913c873030cc18dd68"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "PlayerID" : 2,
}
{
  "_id" : ObjectId("5d44c2913c873030cc18dd69"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "PlayerID" : 8,
}
{
  "_id" : ObjectId("5d44c2913c873030cc18dd6a"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "PlayerID" : 9,
}
{
  "_id" : ObjectId("5d44c2913c873030cc18dd6b"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "PlayerID" : 11,
}
{
  "_id" : ObjectId("5d44c2913c873030cc18dd6c"),
  "GameID" : "G1",
}
```

Substitutes Collection:

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.Substitutes.find().pretty()
{
  "_id" : ObjectId("5d44c2d83c873030cc18e2ea"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "Substitute_PlayerID" : 6,
  "Position" : "MF",
  "Replaced_PlayerID" : 9,
  "Time" : 24,
}
{
  "_id" : ObjectId("5d44c2d83c873030cc18e2eb"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "Substitute_PlayerID" : 7,
  "Position" : "MF",
  "Replaced_PlayerID" : 19,
  "Time" : 64,
}
{
  "_id" : ObjectId("5d44c2d83c873030cc18e2ec"),
  "GameID" : "G1",
  "TeamID" : "A1",
  "Substitute_PlayerID" : 22,
  "Position" : "FW",
  "Replaced_PlayerID" : 10,
  "Time" : 70,
}
{
  "_id" : ObjectId("5d44c2d83c873030cc18e2ed"),
  "GameID" : "G1",
  "TeamID" : "A2",
  "Substitute_PlayerID" : 9,
  "Position" : "MF",
  "Replaced_PlayerID" : 8,
  "Time" : 72,
}
{
  "_id" : ObjectId("5d44c2d83c873030cc18e2ee"),
  "GameID" : "G1",
  "TeamID" : "A2",
  "Substitute_PlayerID" : 20,
  "Position" : "FW",
  "Replaced_PlayerID" : 10,
  "Time" : 85,
}
```

Schedule-Results Collection:

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.Schedule_Results.find().pretty()
{
  "_id" : ObjectId("5d44c3413c873030cc18e46c"),
  "GameID" : "G1",
  "Groups" : "A",
  "MatchDate" : "2018-06-14",
  "SID" : "S1",
  "TeamID1" : "A1",
  "TeamID2" : "A2",
  "Team1_Score" : 5,
  "Team2_Score" : 0
}
{
  "_id" : ObjectId("5d44c3413c873030cc18e46d"),
  "GameID" : "G2",
  "Groups" : "A",
  "MatchDate" : "2018-06-15",
  "SID" : "S4",
  "TeamID1" : "A3",
  "TeamID2" : "A4",
  "Team1_Score" : 0,
  "Team2_Score" : 1
}
{
  "_id" : ObjectId("5d44c3413c873030cc18e46e"),
  "GameID" : "G3",
  "Groups" : "B",
  "MatchDate" : "2018-06-15",
  "SID" : "S2",
  "TeamID1" : "B3",
  "TeamID2" : "B4",
  "Team1_Score" : 0,
  "Team2_Score" : 1
}
{
  "_id" : ObjectId("5d44c3413c873030cc18e46f"),
  "GameID" : "G5",
  "Groups" : "C",
  "MatchDate" : "2018-06-16",
  "SID" : "S5",
  "TeamID1" : "C1",
  "TeamID2" : "C2",
  "Team1_Score" : 2,
  "Team2_Score" : 1
}
}
```

Own_Goals Collection:

```
C:\WINDOWS\system32\cmd.exe - mongo
Type "it" for more
> db.Own_Goals.find().pretty()
{
  "_id" : ObjectId("5d44c3893c873030cc18e4b0"),
  "GameID" : "G16",
  "TeamID" : "H1",
  "PlayerID" : 4,
  "Time" : 37,
  "For_TeamID" : "H2"
}
{
  "_id" : ObjectId("5d44c3893c873030cc18e4b1"),
  "GameID" : "G17",
  "TeamID" : "A3",
  "PlayerID" : 7,
  "Time" : 47,
  "For_TeamID" : "A1"
}
{
  "_id" : ObjectId("5d44c3893c873030cc18e4b2"),
  "GameID" : "G33",
  "TeamID" : "A1",
  "PlayerID" : 6,
  "Time" : 23,
  "For_TeamID" : "A4"
}
{
  "_id" : ObjectId("5d44c3893c873030cc18e4b3"),
  "GameID" : "G42",
  "TeamID" : "F2",
  "PlayerID" : 21,
  "Time" : 74,
  "For_TeamID" : "F3"
}
{
  "_id" : ObjectId("5d44c3893c873030cc18e4b4"),
  "GameID" : "G44",
  "TeamID" : "E2",
  "PlayerID" : 1,
  "Time" : "90+3",
  "For_TeamID" : "E3"
}
{
  "_id" : ObjectId("5d44c3893c873030cc18e4b5"),
  "GameID" : "G47",
  "TeamID" : "G3",
  "PlayerID" : 1,
  "Time" : 74,
  "For_TeamID" : "G4"
}
}
```


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,
  "Time" : "47",
  "For_TeamID" : "A1"
}
```

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,
  "Extra_Information" : "MISSES NEXT MATCH IF BOOKED",
  "Color_Dot" : "Yellow"
}
```

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,
  "Color_Card" : "Yellow",
  "Time" : 34
}
```

Total Number of Documents:

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