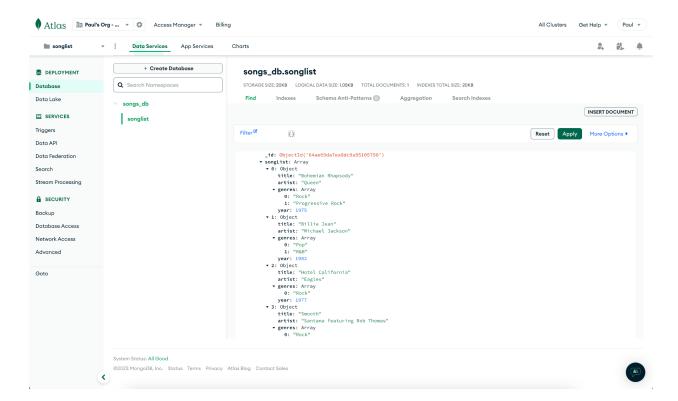
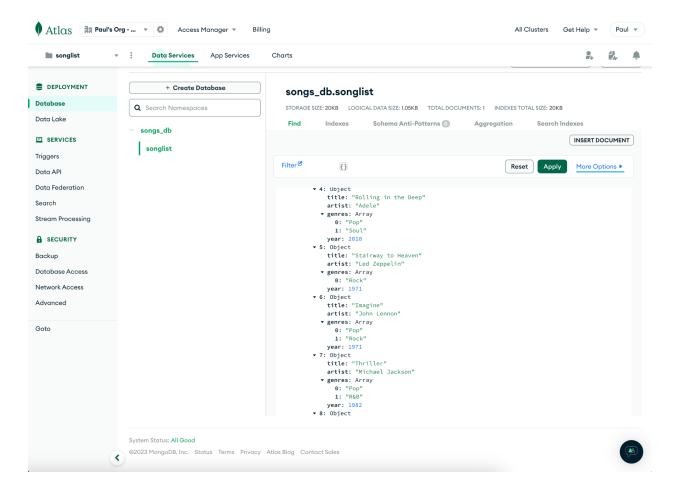
- 1. In MongoDb Atlas, create a MongoDB database/collection to store your song list (from the JSON and SQL assignments).
 - a. Insert all data
 - b. Show all data in the collection in MongoDB Atlas take a screenshot (you may not be able to see the full list show what you can) screenshot fits most of it





- 2. In the Mongo Shell, connect to your database and do the following (show a screen shot for each)
 - a. select the database

b. show all collections in the database

```
paulroche — mongosh mongodb+srv://<credentials>@cluster0.qy0rj6j.mongodb.net/ — <credentials>@cluster0.qy0rj6j.mongodb.net PA...

Enter password: *************************
\Current Mongosh Log ID: 64ae0b47fdc3d97e4c4aa44a
Connecting to: mongodb+srv://<credentials>@cluster0.qy0rj6j.mongodb.net/?appName=mongosh+1.10.1

Using MongoBh: 6.0.6 (API Version 1)

Using Mongosh: 1.10.1

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

Atlas atlas-11zxvr-shard-0 [primary] test> show dbs
songs_db 40.00 KiB
local 35.03 GiB

Atlas atlas-11zxvr-shard-0 [primary] test> use songs_db
switched to db songs_db |
Atlas atlas-11zxvr-shard-0 [primary] songs_db> show collections
songlist
Atlas atlas-11zxvr-shard-0 [primary] songs_db> |
```

c. show all song titles (titles only)

```
🧿 🌎 🐚 paulroche — mongosh mongodb+srv://<credentials>@cluster0.qy0rj6j.mongodb.net/ — <credentials>@cluster0.qy0rj6j.mongodb.net/ — 
                  title: 'Hotel California',
artist: 'Eagles',
genres: [ 'Rock' ],
year: 1977
                  title: 'Smooth',
artist: 'Santana featuring Rob Thomas',
genres: [ 'Rock', 'Latin' ],
year: 1999
                  title: 'Rolling in the Deep',
artist: 'Adele',
genres: [ 'Pop', 'Soul' ],
year: 2010
                  title: 'Stairway to Heaven',
artist: 'Led Zeppelin',
genres: [ 'Rock' ],
year: 1971
                  title: 'Imagine',
artist: 'John Lennon',
genres: [ 'Pop', 'Rock' ],
year: 1971
                   title: 'Thriller',
artist: 'Michael Jackson',
genres: [ 'Pop', 'R&B' ],
year: 1982
                  title: "Sweet Child o' Mine",
artist: "Guns N' Roses",
genres: [ 'Rock' ],
year: 1987
                  title: 'I Will Always Love You',
artist: 'Whitney Houston',
genres: [ 'Pop', 'R&B' ],
year: 1992
 Atlas atlas-11zxvr-shard-0 [primary] songs_db> db.songlist.find({}, { "songList.title": 1, _id: 0 })
        songList: [
    { title: 'Bohemian Rhapsody' },
    { title: 'Billie Jean' },
    { title: 'Billie Jean' },
    { title: 'Hotal California' },
    { title: 'Smooth' },
    { title: 'Smooth' },
    { title: 'Stairway to Heaven' },
    { title: 'Italimayine' },
    { title: 'Thriller' },
    { title: 'Thriller' },
    { title: 'Sweet Child o' Mine" },
    { title: 'I Will Always Love You' }
}
]
Atlas atlas-11zxvr-shard-0 [primary] songs_db>
```

d. show all titles, artist and all genres that correspond to each

```
O ■ ■ pauloche — mongosh mongosh sarvijkoredemiales @clusterO.qyOrjōj,mongodh.net/ — coredemiales @clusterO.qyOrjōj,mongodh.net PATHejasrjocaljoptjmode@16jbing...

| Cities | management | management
```

e. show all titles for a particular genre

NOTE: This question had multiple parts. More specifically, it required that I use the find() on two nested loops. For each song in the songlist, I had to first loop through every song's genres array to see if there was the "R&B" genre. If it was there, I'd print the song title.

Ref: https://www.mongodb.com/docs/manual/reference/method/cursor.forEach/

Querv:

```
db.songlist.find().forEach(function (doc) {
  doc.songList.forEach(function(song) {
    if (song.genres.includes("R&B")) {
      print(song.title);
    }
  });
});
```

```
paulroche — mongosh mongodb+srv://<credentials>@clusterO.qyOrj6j.mongodb.net/ — <credentials>@clust...

Atlas atlas-11zxvr-shard-0 [primary] songs_db>

Atlas atlas-11zxvr-shard-0 [primary] songs_db> db.songlist.find().forEach(function (doc) { doc.songList.forEach(function (song) { if (song.genres.includes("R&B")) { print(song.title); } }); });

Billie Jean
Thriller
I Will Always Love You

Atlas atlas-11zxvr-shard-0 [primary] songs_db>
```