

Part 1:

- ✓ Create a MongoDB database called songs
- ✓ Create a collection in the database called song_list
- ✓ Add at least 12 songs to song_list.
- ✓ Each song in the list should include the title, the artist, and an array of genres

RACHEL'S ORG - 2022-09-08 > PROJECT 0 > DATABASES

assignment13

VERSION 5.0.13 REGION AWS N. Virginia (us-east-1)

Overview Real Time Metrics Collections Search Profiler Performance Advisor Online Archive Cmd Line Tools

DATABASES: 1 COLLECTIONS: 1

+ Create Database

Search Namespaces

songs

song_list

songs.song_list

STORAGE SIZE: 20KB LOGICAL DATA SIZE: 1.32KB TOTAL DOCUMENTS: 1 INDEXES TOTAL SIZE: 20KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

INSERT DOCUMENT

FILTER { field: 'value' }

OPTIONS Apply Reset

```
{
  "_id": ObjectId('637437383778081d08121bf2'),
  "title": "Hell Bells",
  "artist": "AC/DC",
  "genre": Array,
  "released": "1980"
}
```

```
{
  "_id": ObjectId('637437383778081d08121bf3'),
  "title": "Megan's Piano",
  "artist": "Megan Thee Stallion",
  "genre": Array,
  "released": "2021"
}
```

```
{
  "_id": ObjectId('637437383778081d08121bf4'),
  "title": "REPEAT IT (with Gunna)",
  "artist": "Gunna and Lil Tecca",
  "genre": Array,
  "released": "2021"
}
```

```
{
  "_id": ObjectId('637437383778081d08121bf5'),
  "title": "Goodbye",
  "artist": "Mimi Webb",
  "genre": Array,
  "released": "2022"
}
```

```
{
  "_id": ObjectId('637437383778081d08121bf6'),
  "title": "Deep End",
  "artist": "Dayglow",
  "genre": Array,
  "released": "2022"
}
```

```
_id: ObjectId('637437383778081d08121bf7')
title: "Her"
artist: "Megan Thee Stallion"
> genre: Array
released: "2022"
```

```
_id: ObjectId('637437383778081d08121bf8')
title: "we'll make this ok (with Travis Backer)"
artist: "Renforshort, Travis Backer"
> genre: Array
released: "2022"
```

```
_id: ObjectId('637437383778081d08121bf9')
title: "VINCENT VAN GOGH"
artist: "Neville"
> genre: Array
released: "2022"
```

```
_id: ObjectId('637437383778081d08121bfa')
title: "Marble"
artist: "SHOCKZ, Rebecca Helena, Neptunica"
> genre: Array
released: "2021"
```

```
_id: ObjectId('637437383778081d08121bfb')
title: "Adelaide"
artist: "Johnny Orlando"
> genre: Array
released: "2020"
```



```
_id: ObjectId('637437383778081d08121bfc')
title: "SUVs (Black on Black)"
artist: "Jack Harlow, Pooh Shiesty"
> genre: Array
released: "2021"
```



```
_id: ObjectId('637437383778081d08121bfd')
title: "Girls"
artist: "Justus Bennetts"
> genre: Array
released: "2022"
```

Display the collection in Atlas and take a screenshot (which will be part of your deliverables).

Part 2:

Show the MongoDB Shell commands to:

- Select the database

```
C:\Users\rache>mongosh
Current Mongosh Log ID: 6373e18c550a4b6b96d0d654
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.6.0
MongoNetworkError: connect ECONNREFUSED 127.0.0.1:27017

C:\Users\rache>mongosh "mongodb+srv://assignment13.9klnohh.mongodb.net/songs" --apiVersion 1 --username user
Enter password: *****
Current Mongosh Log ID: 6373e1c203378380ee5c3403
Connecting to:      mongodb+srv://<credentials>@assignment13.9klnohh.mongodb.net/songs?appName=mongosh+1.6.0
Using MongoDB:      5.0.13 (API Version 1)
Using Mongosh:      1.6.0

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

Atlas atlas-qmt68h-shard-0 [primary] songs> |
```

- Show all data from all songs

```
Atlas atlas-qmt68h-shard-0 [primary] songs> db.song_list.find().pretty()
[
  {
    _id: ObjectId("637437383778081d08121bf2"),
    title: 'Hell Bells',
    artist: 'AC/DC',
    genre: [ 'Metal' ],
    released: '1980'
  },
  {
    _id: ObjectId("637437383778081d08121bf3"),
    title: 'Megan's Piano',
    artist: 'Megan Thee Stallion',
    genre: [ 'Hip-Hop', 'Rap' ],
    released: '2021'
  },
  {
    _id: ObjectId("637437383778081d08121bf4"),
    title: 'REPEAT IT (with Gunna)',
    artist: 'Gunna and Lil Tecca',
    genre: [ 'Hip-Hop', 'Rap' ],
    released: '2021'
  },
  {
    _id: ObjectId("637437383778081d08121bf5"),
    title: 'Goodbye',
    artist: 'Mimi Webb',
    genre: [ 'Pop' ],
    released: '2022'
  },
  {
    _id: ObjectId("637437383778081d08121bf6"),
    title: 'Deep End',
    artist: 'Dayglow',
    genre: [ 'New Wave', 'Synthpop' ],
    released: '2022'
  },
  {
    _id: ObjectId("637437383778081d08121bf7"),
    title: 'Her',

```

```

    artist: 'Megan Thee Stallion',
    genre: [ 'Hip-Hop', 'Rap' ],
    released: '2022'
  },
  {
    _id: ObjectId("637437383778081d08121bf8"),
    title: "we'll make this ok (with Travis Backer)",
    artist: 'Renforshort, Travis Backer',
    genre: [ 'Alternative', 'Indie, Pop' ],
    released: '2022'
  },
  {
    _id: ObjectId("637437383778081d08121bf9"),
    title: 'VINCENT VAN GOGH',
    artist: 'Neville',
    genre: [ 'Pop' ],
    released: '2022'
  },
  {
    _id: ObjectId("637437383778081d08121bfa"),
    title: 'Marble',
    artist: 'SHOCKZ, Rebecca Helena, Neptunica',
    genre: [ 'Dance', 'Electronic' ],
    released: '2021'
  },
  {
    _id: ObjectId("637437383778081d08121bfb"),
    title: 'Adelaide',
    artist: 'Johnny Orlando',
    genre: [ 'Pop' ],
    released: '2020'
  },
  {
    _id: ObjectId("637437383778081d08121bfc"),
    title: 'SUVs (Black on Black)',
    artist: 'Jack Harlow, Pooh Shiesty',
    genre: [ 'Hip-Hop', 'Rap' ],
    released: '2021'
  },
  {

```

```

    _id: ObjectId("637437383778081d08121bfb"),
    title: 'Adelaide',
    artist: 'Johnny Orlando',
    genre: [ 'Pop' ],
    released: '2020'
  },
  {
    _id: ObjectId("637437383778081d08121bfc"),
    title: 'SUVs (Black on Black)',
    artist: 'Jack Harlow, Pooh Shiesty',
    genre: [ 'Hip-Hop', 'Rap' ],
    released: '2021'
  },
  {
    _id: ObjectId("637437383778081d08121bfd"),
    title: 'Girls',
    artist: 'Justus Bennetts',
    genre: [ 'Alternative/Indie', 'Pop' ],
    released: '2022'
  }
]

```

- Show all song titles from a particular genre

```

Atlas atlas-qmt68h-shard-0 [primary] songs> db.song_list.find({"genre":"Pop"}, {"title":1, "_id":0})
[
  { title: 'Goodbye' },
  { title: 'VINCENT VAN GOGH' },
  { title: 'Adelaide' },
  { title: 'Girls' }
]

```

Questions

1. Identify the tools used to work with
 - a. an SQL database
 - i. Siteground DataBase Software and JQuery to access the data
 - b. a NoSQL database.
 - i. MondoDB and MondoDB Shell with command line operations
2. Which database do you prefer working with so far- SQL or NoSQL? Explain your answer.
 - a. Originally I was going to sql bruce I find it more reable since I worked with it before but once I got a grasp on NoSQL and using MondoDB it was really easy. The documentation for MondoDB was just a bit rough but I am leaning tward preferring NoSQL now.

