ACIT 3695 Lab 5

Team ScrapQL
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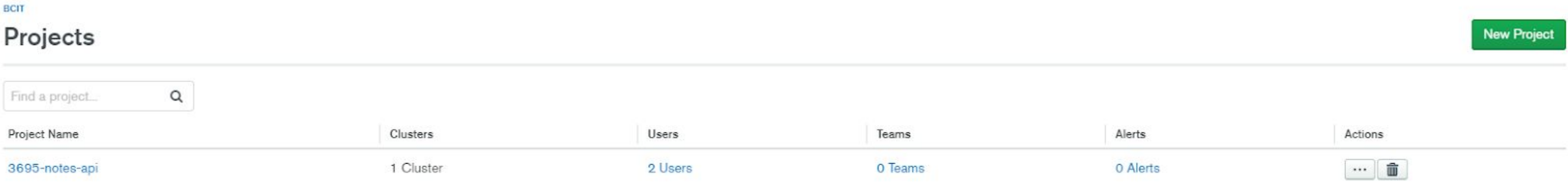
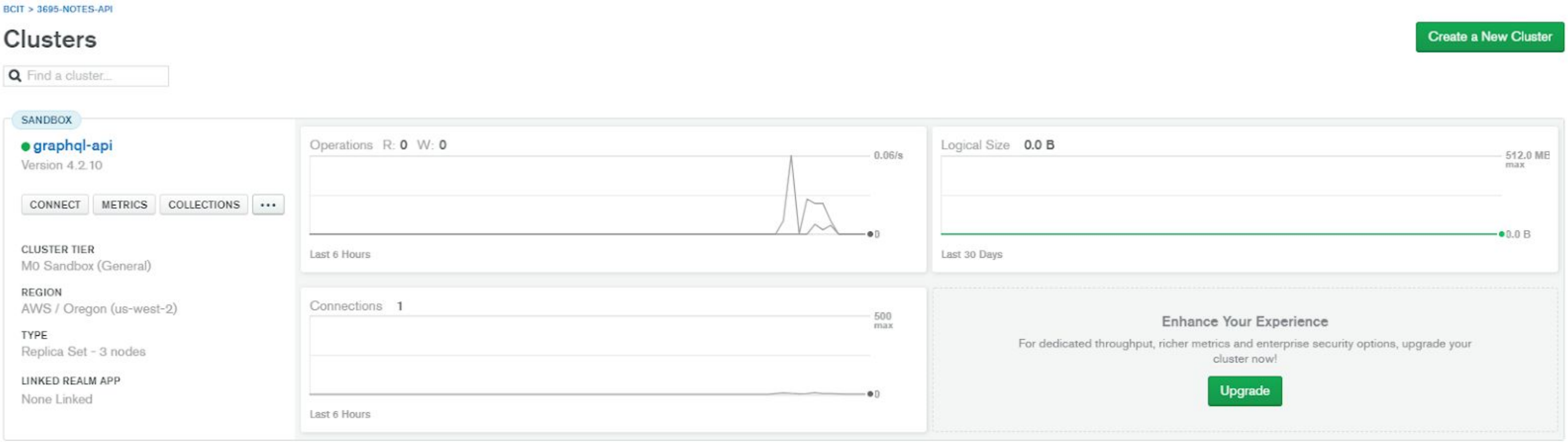
MongoDb Creation

Step 1: Creating the project and adding a partner to the project



Project Name	Clusters	Users	Teams	Alerts	Actions
3695-notes-api	1 Cluster	2 Users	0 Teams	0 Alerts	···

Step 2: Creating a cluster



● graphql-api
Version 4.2.10

CLUSTER TIER
M0 Sandbox (General)

REGION
AWS / Oregon (us-west-2)

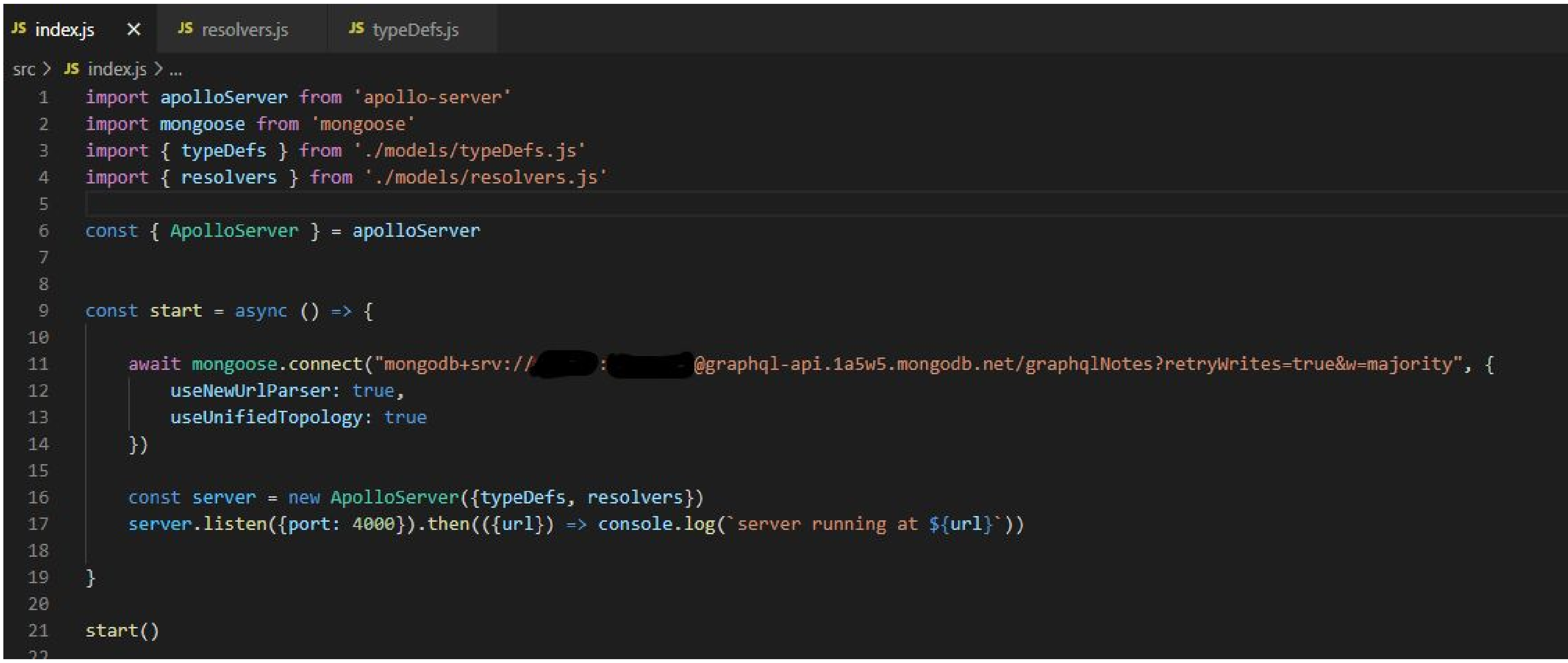
TYPE
Replica Set - 3 nodes

LINKED REALM APP
None Linked

Enhance Your Experience

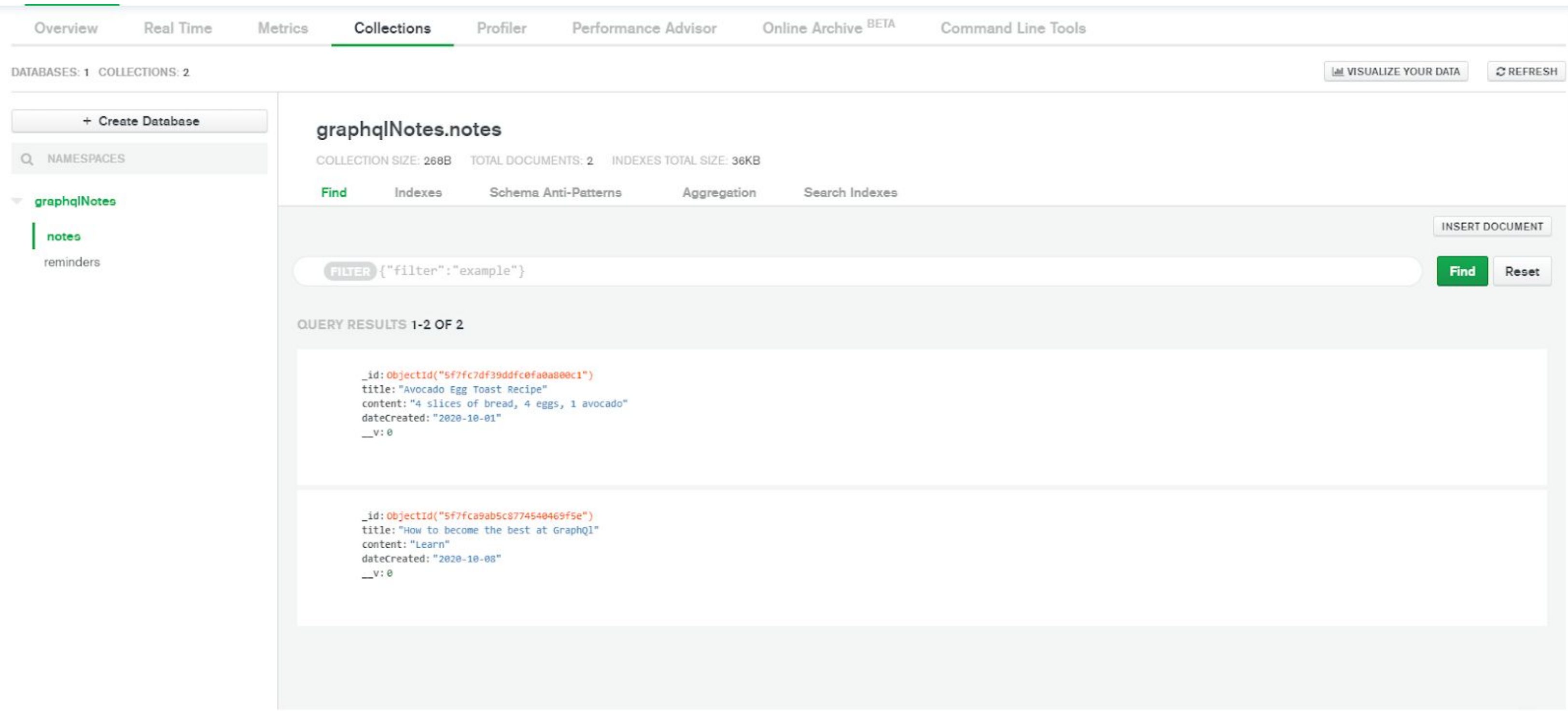
For dedicated throughput, richer metrics and enterprise security options, upgrade your cluster now!

Step 3: Connecting to the database. Screenshot of index.js



```javascript
import apolloServer from 'apollo-server'
import mongoose from 'mongoose'
import { typeDefs } from './models/typeDefs.js'
import { resolvers } from './models/resolvers.js'

const { ApolloServer } = apolloServer


const start = async () => {

    await mongoose.connect("mongodb+srv://[redacted]:[redacted]@graphql-api.1a5w5.mongodb.net/graphqlNotes?retryWrites=true&w=majority", {
        useNewUrlParser: true,
        useUnifiedTopology: true
    })

    const server = new ApolloServer({typeDefs, resolvers})
    server.listen({port: 4000}).then(({url}) => console.log(`server running at ${url}`))

}

start()
```

Screenshot of the database/notes



DATABASES: 1 COLLECTIONS: 2

graphqlNotes.notes

COLLECTION SIZE: 268B TOTAL DOCUMENTS: 2 INDEXES TOTAL SIZE: 36KB

{"filter":"example"}

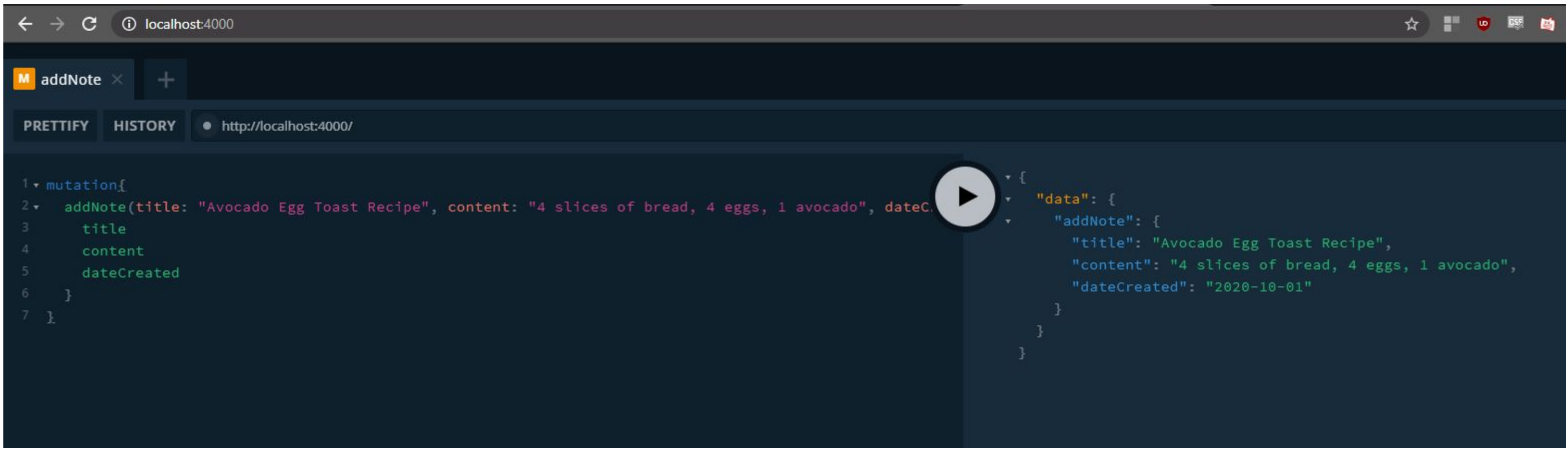
QUERY RESULTS 1-2 OF 2

```
_id: ObjectId("5f7fc7df39ddfc0fa0a800c1")
title: "Avocado Egg Toast Recipe"
content: "4 slices of bread, 4 eggs, 1 avocado"
dateCreated: "2020-10-01"
__v: 0
```

```
_id: ObjectId("5f7fca9ab5c8774540469f5e")
title: "How to become the best at GraphQl"
content: "Learn"
dateCreated: "2020-10-08"
__v: 0
```

Rest of the code: https://github.com/MichaelPhuc/3695-graphql

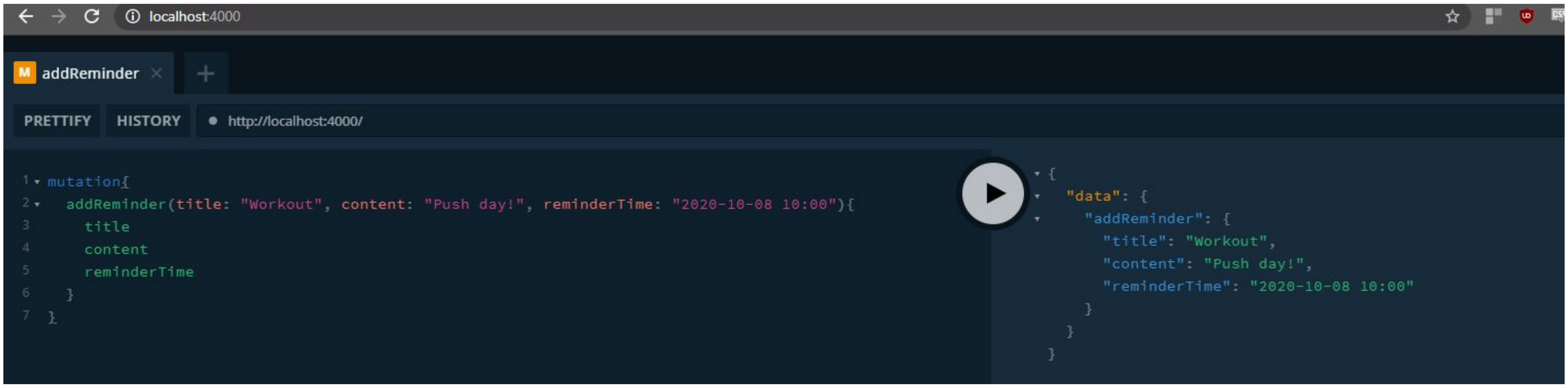
Mutation 1: adding a note:



```
mutation{
  addNote(title: "Avocado Egg Toast Recipe", content: "4 slices of bread, 4 eggs, 1 avocado", dateC
    title
    content
    dateCreated
  }
}
```

```
{
  "data": {
    "addNote": {
      "title": "Avocado Egg Toast Recipe",
      "content": "4 slices of bread, 4 eggs, 1 avocado",
      "dateCreated": "2020-10-01"
    }
  }
}
```

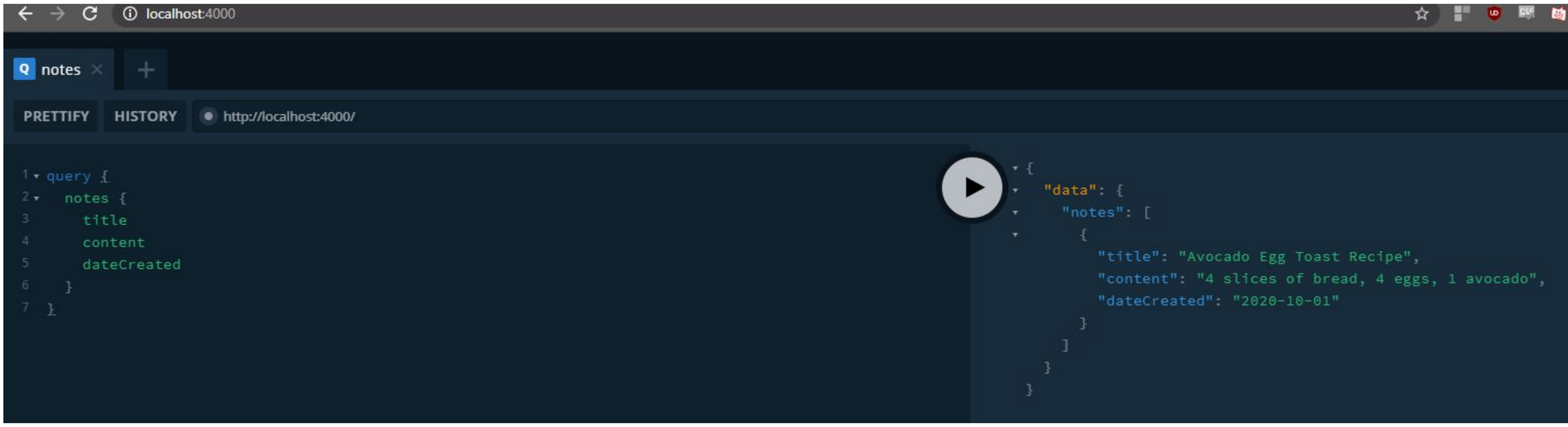
Mutation 2: adding a reminder:



```
mutation{
  addReminder(title: "Workout", content: "Push day!", reminderTime: "2020-10-08 10:00"){
    title
    content
    reminderTime
  }
}
```

```
{
  "data": {
    "addReminder": {
      "title": "Workout",
      "content": "Push day!",
      "reminderTime": "2020-10-08 10:00"
    }
  }
}
```

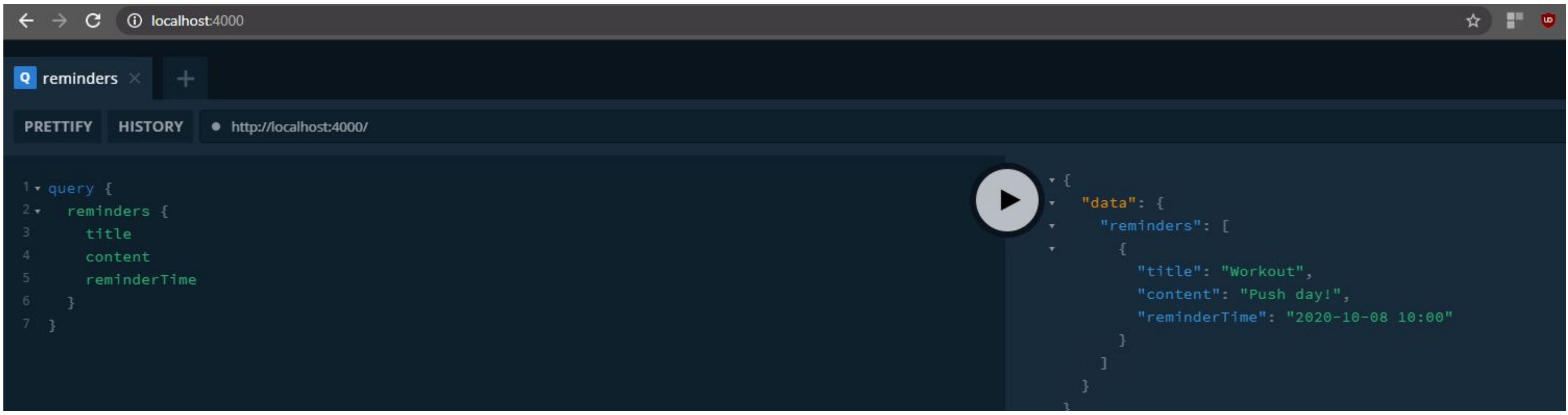
Query 1: Showing a Single Note:



```
query {
  notes {
    title
    content
    dateCreated
  }
}
```

```
{
  "data": {
    "notes": [
      {
        "title": "Avocado Egg Toast Recipe",
        "content": "4 slices of bread, 4 eggs, 1 avocado",
        "dateCreated": "2020-10-01"
      }
    ]
  }
}
```

Query 2: Showing a Single Reminder:



```
query {
  reminders {
    title
    content
    reminderTime
  }
}
```

```
{
  "data": {
    "reminders": [
      {
        "title": "Workout",
        "content": "Push day!",
        "reminderTime": "2020-10-08 10:00"
      }
    ]
  }
}
```