

#### **Program: Mechanical Engineering**

Course Number	CCPS 530	
Section Number	01	
Course Title	Web Systems Development	
Semester/Year	Fall 2021	
Instructor	Dr. Ghassem Tofighi	
Report NO. 7		
Report Title	MongoDB	
Group No.	N/A	
Submission Date	November 23, 2021	
Due Date	November 23, 2021	

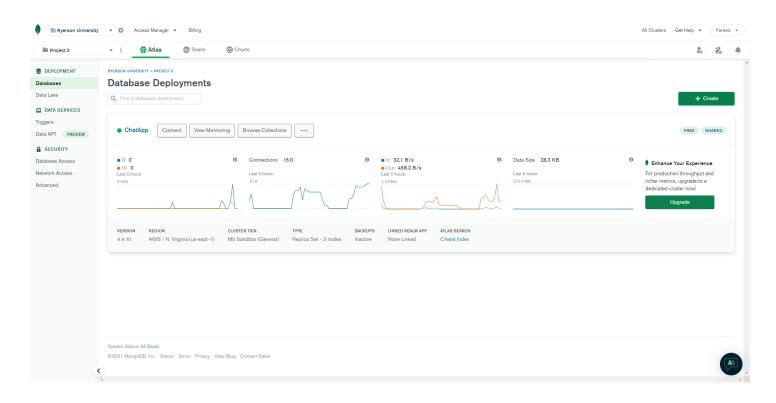
Name	Student ID	Signature*
Fareed Syed	xxxx19438	1

(Note: Remove the first 4 digits from your student ID)

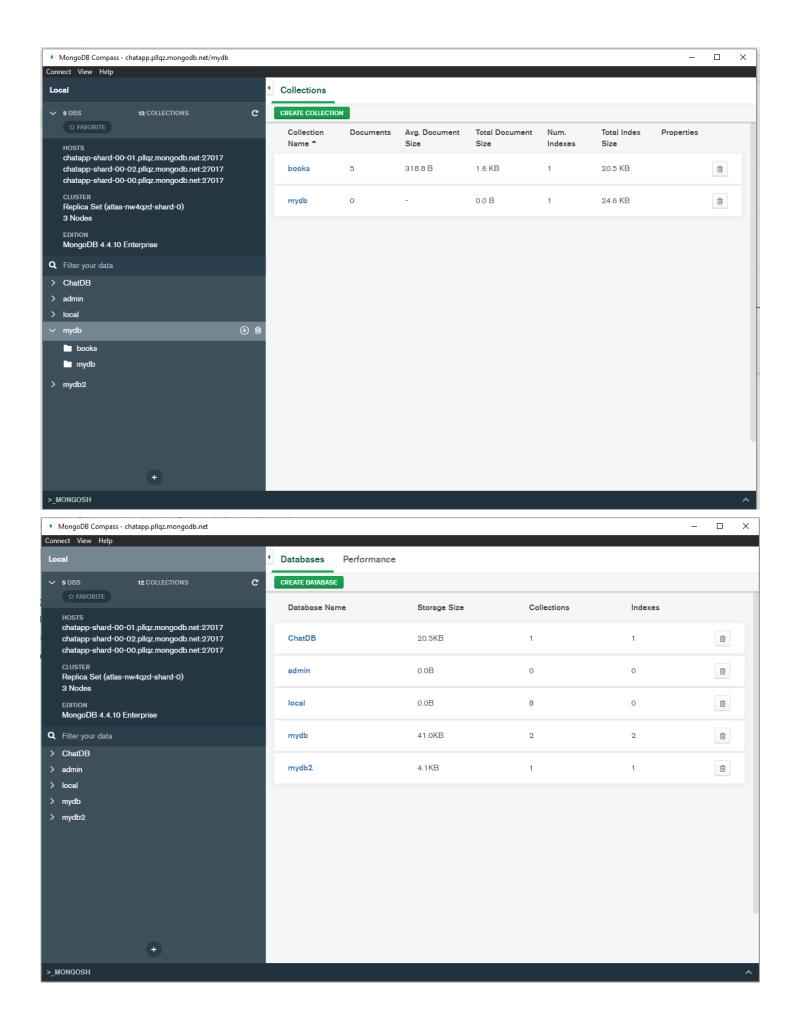
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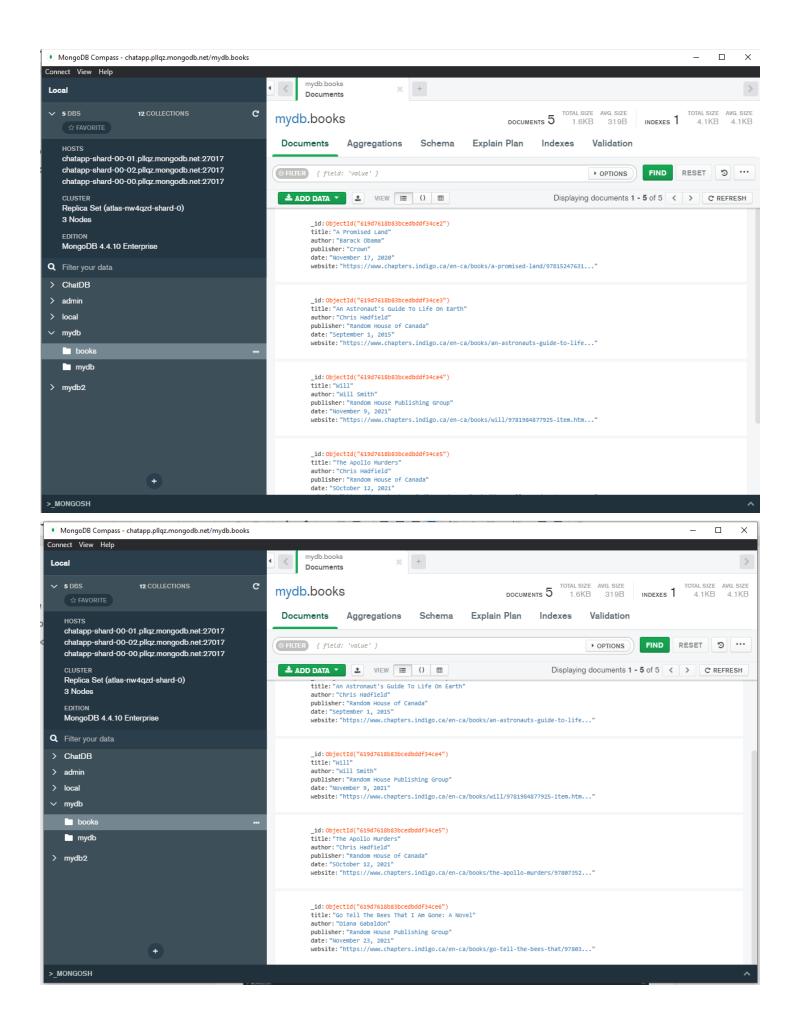
## Installation of mongoDB

The developer had already created the mongoDB's free account a while ago for the purpose of his research work under a professor at Ryerson University. A free cluster under the name "ChatApp" was created back then and the same cluster has been used to perform this LAB. As the installation was already done a while ago please refer to the snips below to developers database atlas and collections and records for this LAB.









## GitHub Link to HTML page

https://github.com/FareedSyed31/FareedSyed31.github.io/blob/main/LAB7/index.js

# Queries used to create books collection

```
var MongoClient = require('mongodb').MongoClient;
var url =
"mongodb+srv://ryerson:123456a@chatapp.pllqz.mongodb.net/myFirstDatabase?retryWrites=true&w=
majority";

MongoClient.connect(url, function (err, db) {
    if (err) throw err;
       var dbo = db.db("mydb");
    dbo.createCollection("books", function (err, res) {
       if (err) throw err;
       console.log("Collection created!");
       db.close();
    });
}
```

#### Queries used to inserts books in books collection

```
db.close();
```

#### Conclusion

Total time spent on this LAB was around 2 hours. 1 hour was dedicated to readings, researching and learning using the Module8, Stack Overflow and blog posts. And the rest of the time was spent in writing the code. Another 30 minutes was spent on debugging the code to make sure everything works fine. Approximately 30 Minutes were spent on writing the report for this LAB. Over all the Lab was a successful and fun learning experience.