

Students Information

Name	Class ID	Email
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Introduction

Lab Exercise-7 required our team to create our own CRUD application with REST API features for managing customer data. We have a GUI implementation for this iteration, in contrast to Lab Exercise-6 from last week.

Objectives

- 1- Create MongoDB Atlas account for remote database operations.
- 2- Generate an Angular project to work within.
- 3- Corey and Khalid implemented customer addition, edit, and delete functions together.

Design/Implementation

```
$ *** Created a new directory ***  
$ npm install @angular/cli  
$ ng new Lab7
```

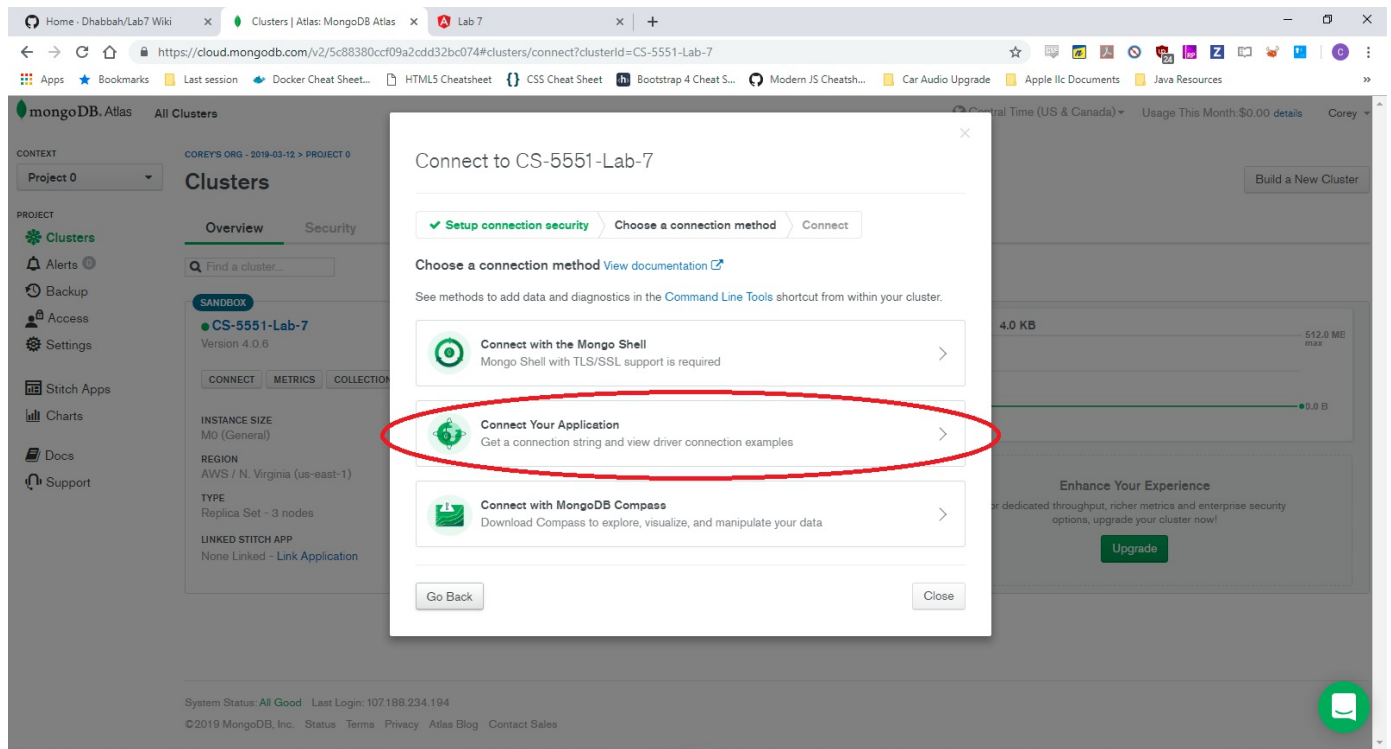
```
$ cd Lab7
$ ng generate component customer
$ ng generate component customer-create
$ ng generate component customer-detail
$ ng generate component customer-edit
$ ng generate service api
$ *** Created app.js and placed in project's root director
y***
$ *** customer.js files placed in /models and /routes dire
ctories***
```

MongoDB Atlas

The screenshot shows the MongoDB Atlas interface for a project named "Project 0". The "Clusters" tab is selected, and a cluster named "CS-5551-Lab-7" is highlighted. The "CONNECT" button is circled in red. The cluster details include:

- INSTANCE SIZE:** M0 (General)
- REGION:** AWS / N. Virginia (us-east-1)
- TYPE:** Replica Set - 3 nodes
- LINKED STITCH APP:** None Linked - [Link Application](#)

The "Overview" tab is active, showing metrics for Operations, Logical Size, and Connections. The "Enhance Your Experience" section is also visible, encouraging users to upgrade their cluster.



Connection string required to be added to app.js (file given by instructors') for connection to MongoDB Atlas from Angular.

Connect to CS-5551-Lab-7

✓ Setup connection security

✓ Choose a connection method

Connect

1

Choose your driver version

DRIVER

Node.js

VERSION

3.0 or later

2

Add your connection string into your application code

Connection String Only

Full Driver Example

mongodb+srv://cjd94:<password>@cs-5551-lab-7-niz66.mongodb.net/test?retryWrites=true

Copy

You will be prompted for the password for the *cjd94* user's (MongoDB User) username. When entering your password, make sure that any special characters are [URL encoded](#).

Having trouble connecting? [View our troubleshooting documentation](#)

Go Back

Close

Customer Addition

Home - Dhabbah/Lab7 Wiki | Clusters | Atlas: MongoDB Atlas | Lab 7

localhost:3000/customer

+

Customer ID

Customer Name

Customer Email



Customer ID

1

Customer First Name

Corey

Customer Last Name

Doss

Customer Email

cjdw94@mail.umkc.edu

Customer Phone Number

8165555555|



Corey Doss

cjdw94@mail.umkc.edu

Customer ID:
1

Customer First Name:
Corey

Customer Last Name:
Doss

Customer Phone Number:
8165555555

Update Date:
Mar 16, 2019

Customer Update

Customer ID	Customer Name	Customer Email
1	Corey	cjdw94@mail.umkc.edu



Corey Doss

cjdw94@mail.umkc.edu

Customer ID:

1

Customer First Name:

Corey

Customer Last Name:

Doss

Customer Phone Number:

8165555555

Update Date:

Mar 16, 2019





Customer ID

1

Customer First Name

Corey J.

Customer Last Name

Doss

Customer Email

cjdw94@mail.umkc.edu

Customer Phone Number

8165555555



Corey J. Doss

cjdw94@mail.umkc.edu

Customer ID:
1

Customer First Name:
Corey J.

Customer Last Name:
Doss

Customer Phone Number:
8165555555

Update Date:
Mar 16, 2019

Customer ID	Customer Name	Customer Email
1	Corey J.	cjdw94@mail.umkc.edu

Customer List / Dashboard

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localhost:3000/customer

Apps | Bookmarks | Last session | Docker Cheat Sheet... | HTML5 Cheatsheet | CSS Cheat Sheet | Bootstrap 4 Cheat S... | Modern JS Cheatsht... | Car Audio Upgrade | Apple Iic Documents | Java Resources

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Customer ID	Customer Name	Customer Email
1	Corey J.	cjdw94@mail.umkc.edu
2	Khalid	kmdk2t@mail.umkc.edu

Customer Removal


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localhost:3000/customer



Apps | Bookmarks | Last session | Docker Cheat Sheet... | HTML5 Cheatsheet | CSS Cheat Sheet | Bootstrap 4 Cheat S... | Modern JS Cheatsht... | Car Audio Upgrade | Apple Iic Documents | Java Resources

+

Customer ID	Customer Name	Customer Email
1	Corey J.	cjdw94@mail.umkc.edu
2	Khalid	kmdk2t@mail.umkc.edu



Corey J. Doss
cjdw94@mail.umkc.edu
Customer ID: 1
Customer First Name: Corey J.
Customer Last Name: Doss
Customer Phone Number: 8165555555
Update Date: Mar 16, 2019

+		
Customer ID	Customer Name	Customer Email
2	Khalid	kmdk2t@mail.umkc.edu

Conclusion

That concludes our implementation for Lab 7. We successfully met all requirements, and we will continue to learn and grow with Angular, MongoDB Atlas, and CRUD applications with REST API features.