Homework Assignment #3 Setup
(MongoDB)

1. Install the Enterprise version of the latest MongoDB shell from here: https://www.mongodb.com/download-center/enterprise.
2. The steps are fairly straightforward and easy to follow and can be viewed at the following links. (***NOTE:*** **DO** install the MongoDB shell but **DO NOT** run it yet!) For Mac users: https://docs.mongodb.com/manual/tutorial/install-mongodb-enterprise-on-os-x/ For Windows users: https://docs.mongodb.com/manual/tutorial/install-mongodb-enterprise-on-windows/
3. If you did not end up installing MongoDB Compass already during the above steps, install it now from here: https://www.mongodb.com/download-center/compass?jmp=docs.
4. Create an account in the Atlas cloud: https://www.mongodb.com/cloud/atlas. Here are some additional instructions on how to set up your free Atlas cluster: https://docs.atlas.mongodb.com/getting-started/. (***NOTE:*** Don't load the sample data offered by MongoDB.)
5. Create a directory for this assignment and, using the command line on your machine, navigate to it.
6. Download "ShopALot.js" from here: https://drive.google.com/file/d/1tDYQzIh0AKbuLu1y0iOnbR9w7hgGwkLD/view?usp=sharing
7. Connect to your newly set up cluster using the MongoDB shell. To locate and open your MongoDB shell: https://docs.mongodb.com/manual/mongo/; you should add its bin folder to your system's $PATH variable for convenience. Type "mongo --version" in Command Prompt or Terminal to verify that you've succeeded. (***NOTE:*** The relevant command can be copied from Atlas when choosing to connect using the Mongo shell - so use it!) Read the Appendix below for more instructions on how to connect to your cluster if you still need help.
8. Run the following commands in the Mongo shell and wait for the commands to finish. You will see the word "true" once the data is loaded as the command output:
    a. use shopalot
    b. load("shopalot.js")
   NOTE: The loading script may take up to one minute to finish, so be patient.
9. Congrats! Now you are ready to tackle the assignment itself…!

Below is a helper .ipynb file (a Jupyter notebook to make your first interaction with MongoDB a bit smoother. The file has examples on inserting data and querying a database. You should open this file using Jupyter notebook. (Your HW3 will be
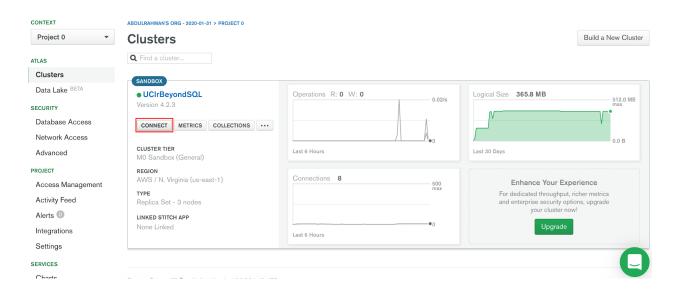
completed as a .ipynb file first then converted into PDF, so it'd be a good idea to familiarize yourself with this environment :)).
https://colab.research.google.com/drive/1agGrAo2qsz57pjPnVYbjRVV_DFNS1gLA?usp=sharing
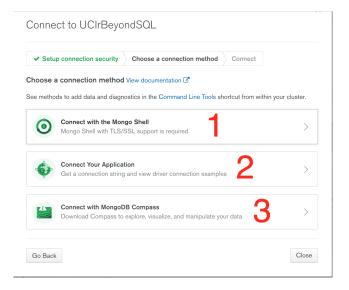
Appendix:
Once the cluster is deployed you can connect to your cluster using multiple approaches.
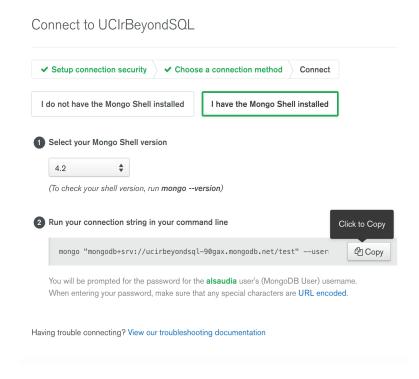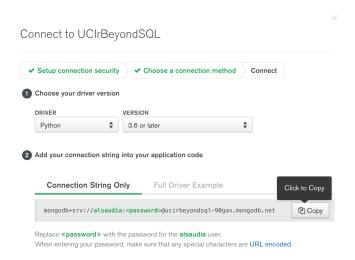- First click on the CONNECT button under your cluster's name.

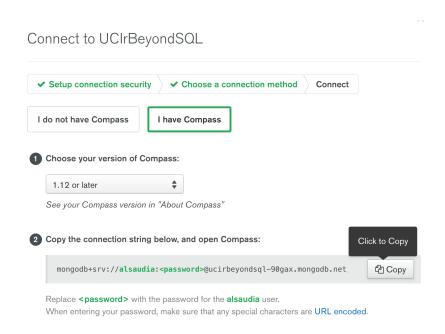- Choose one of the following ways to connect to your cluster.

- For the mongodb shell:

- To connect to your cluster for an application (via python code):

- To connect using MongoDB Compass:

Connect to UCIrBeyondSQL

✔ Setup connection security ❯ ✔ Choose a connection method ❯ Connect

I do not have Compass   I have Compass

1 Choose your version of Compass:

1.12 or later ⬍

See your Compass version in "About Compass"

2 Copy the connection string below, and open Compass:

Click to Copy

mongodb+srv://**alsaudia**:**<password>**@ucirbeyondsql–90gax.mongodb.net,   📋 Copy

Replace **<password>** with the password for the **alsaudia** user.
When entering your password, make sure that any special characters are URL encoded.

Paste the copied link into the New Connection page in Compass:

MongoDB Compass - Connect

New Connection   ☆ FAVORITE

Fill in connection fields individually

Paste your connection string (SRV or Standard) ⓘ)

e.g. mongodb+srv://username:password@cluster0-jtpxd.mongodb.net/admin

CONNECT

New to Compass and don't have a cluster?

If you don't already have a cluster, you can create one for free using MongoDB Atlas.

CREATE FREE CLUSTER

How do I find my connection string in Atlas?

If you have an Atlas cluster, go to the Cluster view. Click the 'Connect' button for the cluster to which you wish to connect.

See example

How do I format my connection string?

See example