Settig up MongoDB Atlas

MongoDB Atlas is a place to host your MongoDB databases. There is a free tier you can use for academic projects.

Some terminology:

Cluster

A cluster is a unit of storage for the hosted database. Clusters can be shared or dedicated. It is the easy deployment of additional clusters that gives MongoDB Atlas powerful scaling ability.
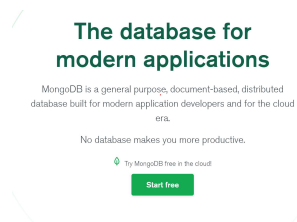
Project

Projects help to segregate teams/security within an organization

For the purpose of this course- you are likely to have one cluster and one project.
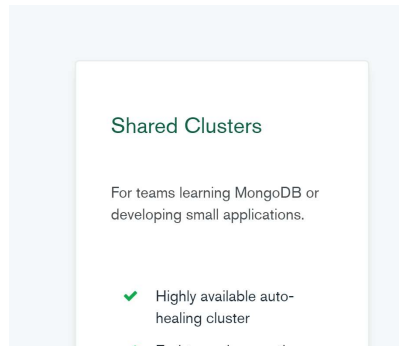
Steps to setting up an account:

0. Go to https://www.mongodb.com/
Choose "Start Free"

1: Create an Atlas Account

Provide name, email and password to establish the account.

2**: Deploy a Free Tier Cluster**

Choose a shared cluster (free tier level)

Shared Clusters

For teams learning MongoDB or developing small applications.

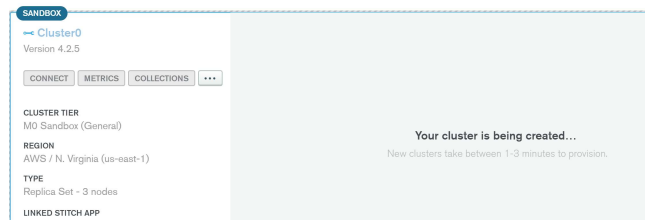✔ Highly available auto-healing cluster

Choose a "cloud provider" - use AWS
And Region
All other settings can remain at the default

Click the "Create Cluster" button to deploy your cluster

Wait while your cluster is being created.

3: Whitelist Your Connection IP Address.

When your cluster is created, click on the "Connect" button

First whitelist your IP

4: Create a Database User for Your Cluster.

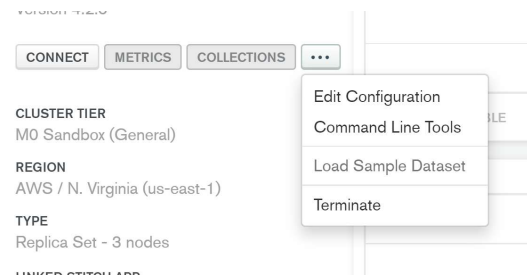Now create a user

5: Connect to Your Cluster.

Now choose a connection method

We will be creating a connection later- so you can skip this step now.
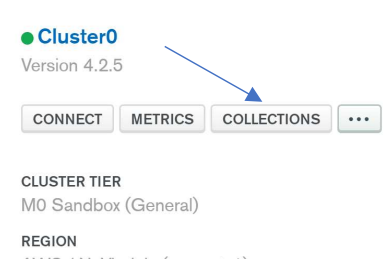
6: Insert and View Data in Your Cluster.

Load the sample dataset unto your project by clicking on the ellipsis "…"

Wait a few minutes and your account should be fully connected.

The "Collections" button will be enabled and you can view the sample dataset

Your "Collections" view should look similar to the following: