MSDS 7346
Cloud Computing
Mini Project 2 – MongoDB Atlas

Name:

This is a mini project for MSDS 7346, Cloud Computing. For this assignment, turn in a single pdf file containing all of your answers. The file should be named ¡yourLastName¿MiniProject-Number.pdf. For example, the file name for my mini project 1 would be 'RafiqiMiniProject-Number.pdf'.

Collaboration is expected and encouraged; however, each student must hand in their own homework assignment. To the greatest extent possible, answers should not be copied but, instead, should be written in your own words. Copying answers from anywhere is plagiarism, this includes copying text directly from the textbook. Do not copy answers. Always use your own words and your own code. Directly under each question list all persons with whom you collaborated and list all resources used in arriving at your answer. Resources include but are not limited to the textbook used for this course, papers read on the topic, and Google search results. Don't forget to place your name on the first page of the pdf document.

MongoDB Atlas

Question 1 : The objective of this lab is to gain familiarity with MongoDB Atlas DB Managed Cloud Service. This lab is very similar to what I did in the class, showing you the demo of MongoDB cloud platform.

Please sign up for MongoDB account on cloud.mongodb.com. Once you are signed up to MongoDB Atlas, build and deploy a cluster using M0 instance (Free). Download MongoDB Compass on your local machine and connect to the MongoDB Atlas cluster that you just created. Instructions for connecting to the cluster can be found on MongoDB Atlas. You have to make sure that IPs are added in the white list similar to what you did in AWS.

I have included a csv file that contains postcode data, this is exactly what I showed during the class. Use mongonimport command to import the csv file into the MongoDB Atlas. You can find detailed instruction for mongoimport in https:docs.atlas.mongodb.comimportmongoimport

Using MongoDB Compass analyze data, click under "Document" and experiment with "Filters". Similary go into "Schema" and "Explain Plan". Submit screenshots of each of these activites.

1) Sign up for MongoDB Atlas account
2) Create a cluster in MongoDB Atlas
3) Download MongoDB Compass
4) Connect MongoDB Compass to Atlas's cluster
5) Experiment with Compass as stated above
6) Submit screenshots

Submission: Submit different screen shots to show completion of each steps

Collaborators:

Resources: