CSCI 526 - Database Systems
Project 2

Due on 11/22/2022, 11:55PM

Requirement

- This project requires students' independent effort. No collaborative work is needed. But you can share the ideas of solving the questions.
- Submit your solutions to D2L in time, **no late submission will be accepted**.

Requirements

Students are required to develop a web application to upload data to MongoDB Atlas, and perform CRUD operation on MongoDB Atlas.

The web application is for managing **to-do** items, the application is able to perform the following tasks:

- display all the **to-do** items, including all finished items and to-be-finished items (read all items from the database and display);
- upload json files which contain **to-do** items to the database collection;
- create **to-do** items from web interface and insert the **to-do** items into database collection
- search **to-do** items in database collection
- update **to-do** items
- delete **to-do** items

Tech Stack

Please choose your favorite programming languages and frameworks to develop the application. The programming languages and frameworks are not limited the followings:

- Java/Javascript + Spring Boot
- Python + FlaskAPI
- Python + Django
- Python + FastAPI (video recording to getstarted is provided)

Work Items

There are some items you may need to work on:

- Create an account in MongoDB Atlas, and then create a MongoDB database on Atlas.
- Install MongoDB Compass to access MongoDB Atlas.
- Create a project and access database on MongoDB Atlas.