FACULTY OF APPLIED SCIENCES AND TECHNOLOGY

NODE/EXPRESS WEB API

ITE5315 - Project

Group Member name

Umang Chudasma (N01472620) Raveena Katariya (N01452464) Submission Date

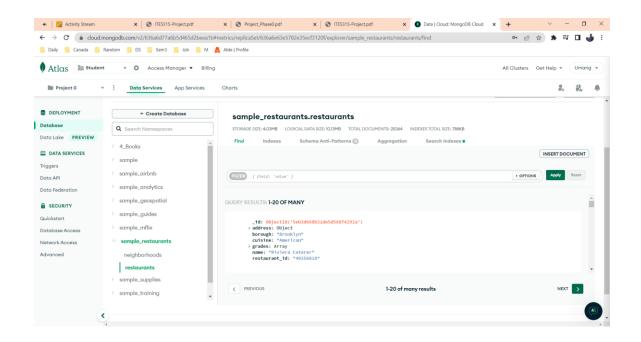
12/5/2022

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Summary	

Question 1:

(Describe the major steps for implementing the MongoDB database in Atlas)



We have loaded the restaurant database in the Atlas.

Question 2:

(Describe the major steps for implementing Routes in the API, how you test this program, add some screenshots of the output)

All the routes were easy, only page, perPage and borough was a little challenging. We use an arrow function that skips the number of documents mentioned and sort the restaurant by its id. Also, we are using the inbuilt limit function that helps us display limit fields per page.

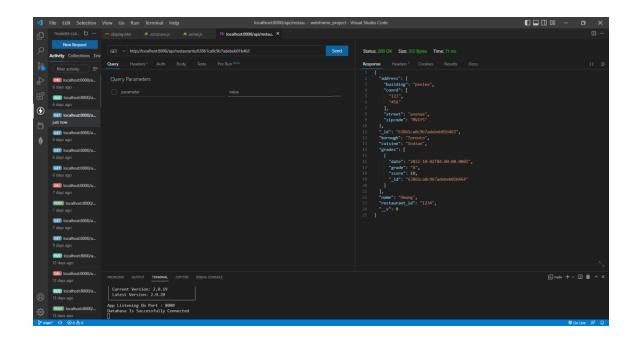
Database.js

Server.js Important dependencies

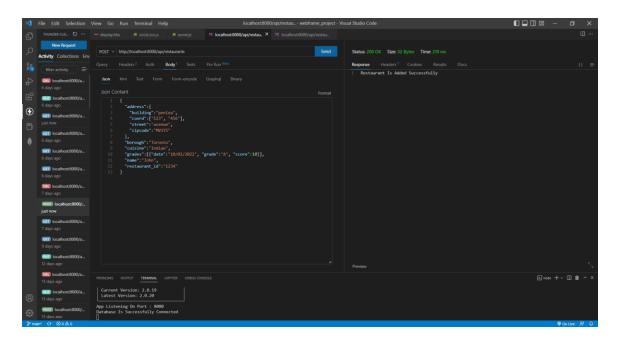
Initializing Code

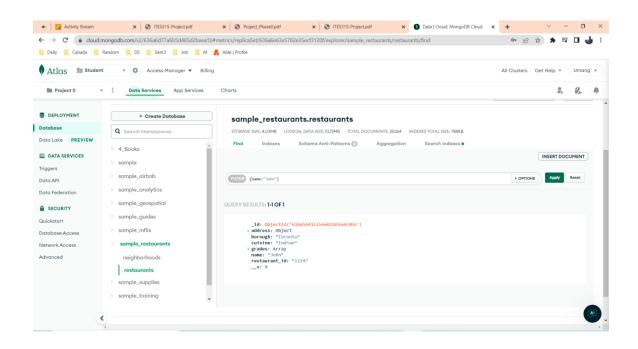
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GET Method

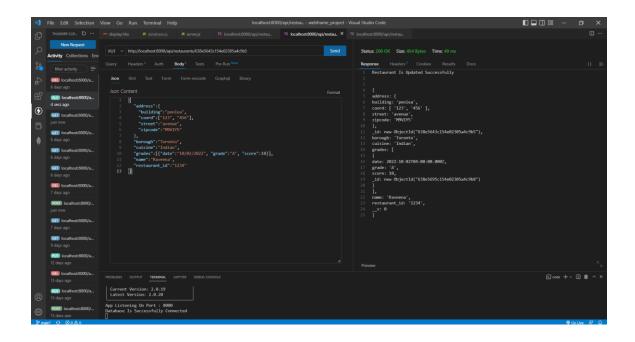


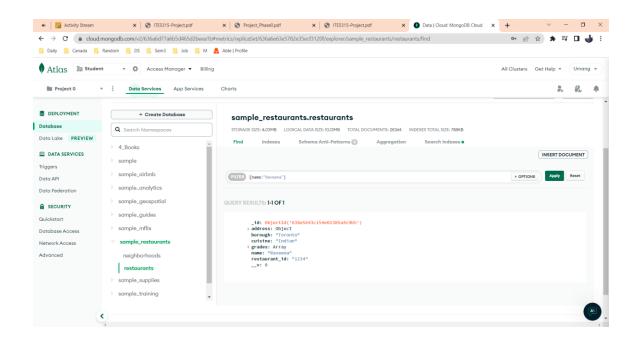
POST Method



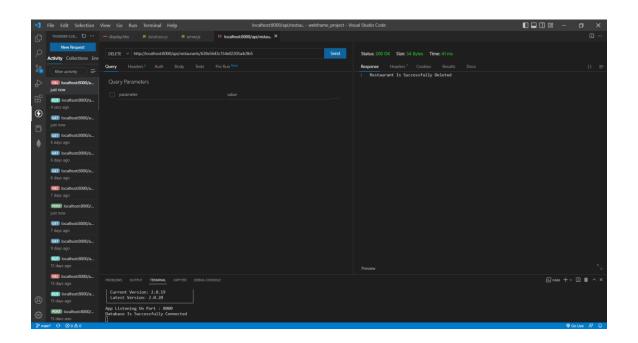


PUT Method

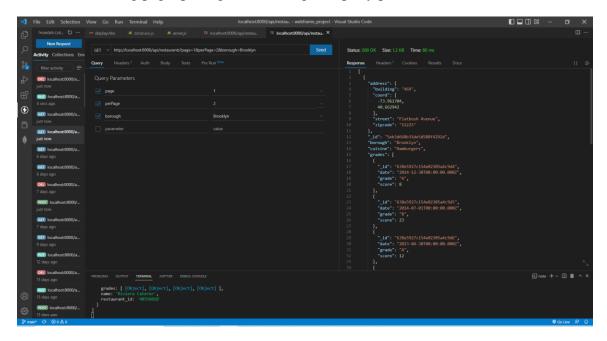


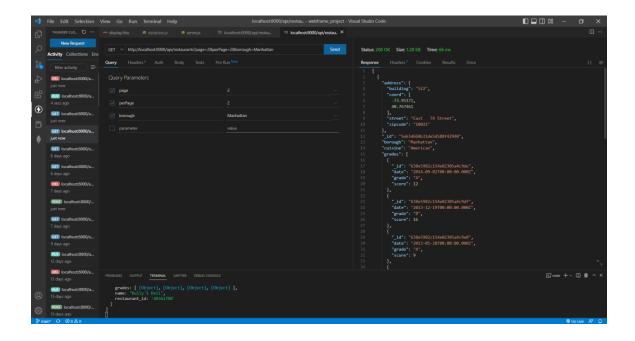


DELETE Method



GET method using page, perPage and borough as query parameters.





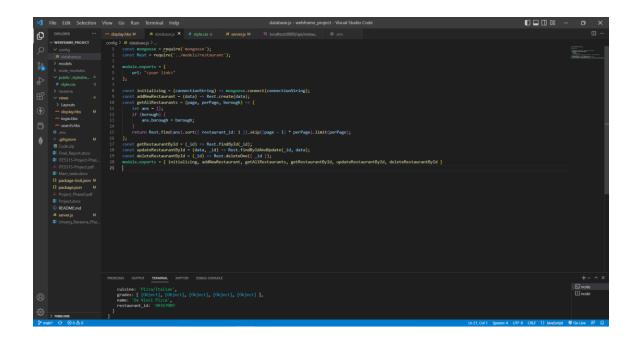
Question 3:

(Describe the major steps for designing the FORM/UI, how you test this program, add some screenshots of the output)

Code Logic:

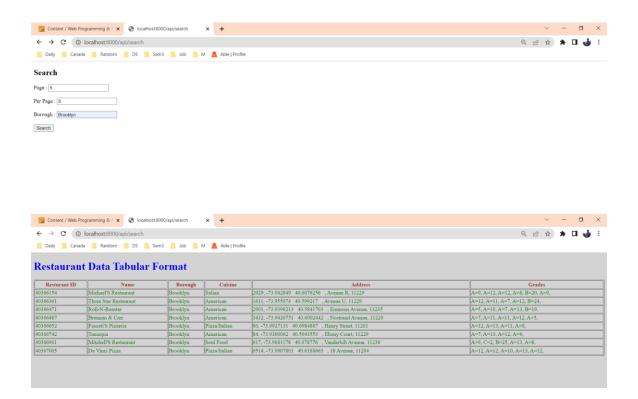
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Database.js file





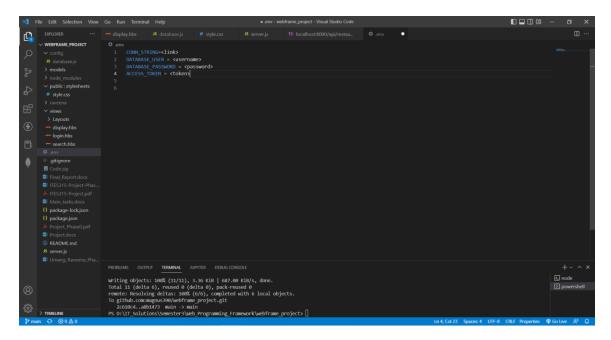




Question 4:

(Describe the major steps for implementing security features, how you test this program, add some screenshots of the output)

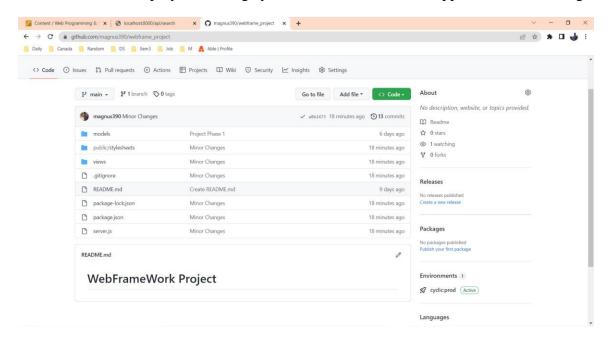
The .env file consists of username, password, and connection string. And the same variable I have used in our program.

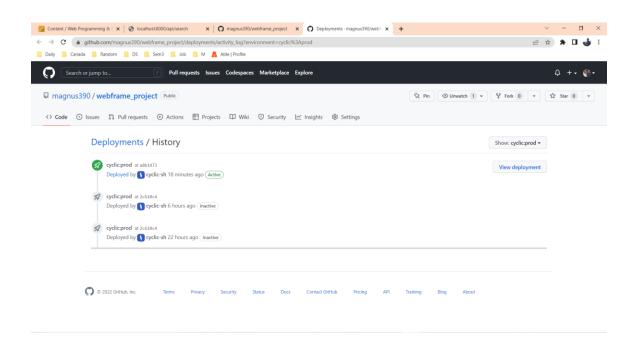


Question 5:

(Describe the major steps for deployment)

I have created the deployment using cyclic as mentioned and the app has started running





Question 6:

(Describe the major steps for designing the bonus question)

Not implemented the bonus question

Summary

(Describe how did you divide the work, share your feedback about this project like new points that you learn, challenges, ...)

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Umang – 1, 2, 4, 6
Raveena – 3, 5, 6
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- 1. We learnt a lot about crud operations using route in node/express.
- 2. Got a very nice idea on Atlas and interacting with the data.
- 3. We also got knowledge on how to use JWT token and apply different security features in our app so that only authenticated users can have access to the route.
- 4. We also did parallel programming on GitHub.
- 5. Finally, we learnt on how to deploy our application on the cyclic.