

Micro Project 2 Submission

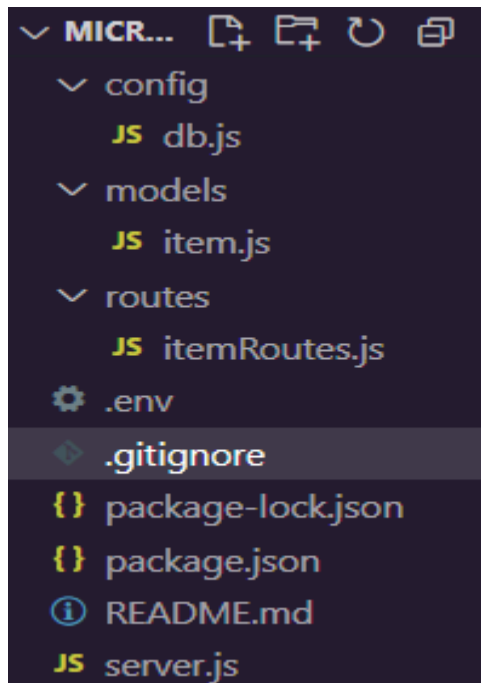
Submission Date: April 09, 2025

Course: JavaScript Frameworks / COMP2068-25W-23294

This document contains the required screenshots and GitHub repository link for the Micro Project submission. The project is a MongoDB, Express, and Node.js (MEN) application that implements the CREATE operation using POSTMAN, connects to MongoDB Atlas, and follows the specified folder structure.

1. Folder Structure

The screenshot below shows the folder structure of the project in Visual Studio Code. It includes the main folders (config, models, routes) and files (server.js, README.md, .env, etc.) as per the MEN structure.



2. VS Code Terminal

The screenshot below shows the embedded terminal in Visual Studio Code. It displays the current working directory of the project and the output of running the server using `npm run dev`. The terminal confirms that the server is running on port 3000 and connected to MongoDB Atlas.

```
C:\Users\imman\OneDrive\Desktop\College\Semester_4\js\MicroProject_2>npm run dev

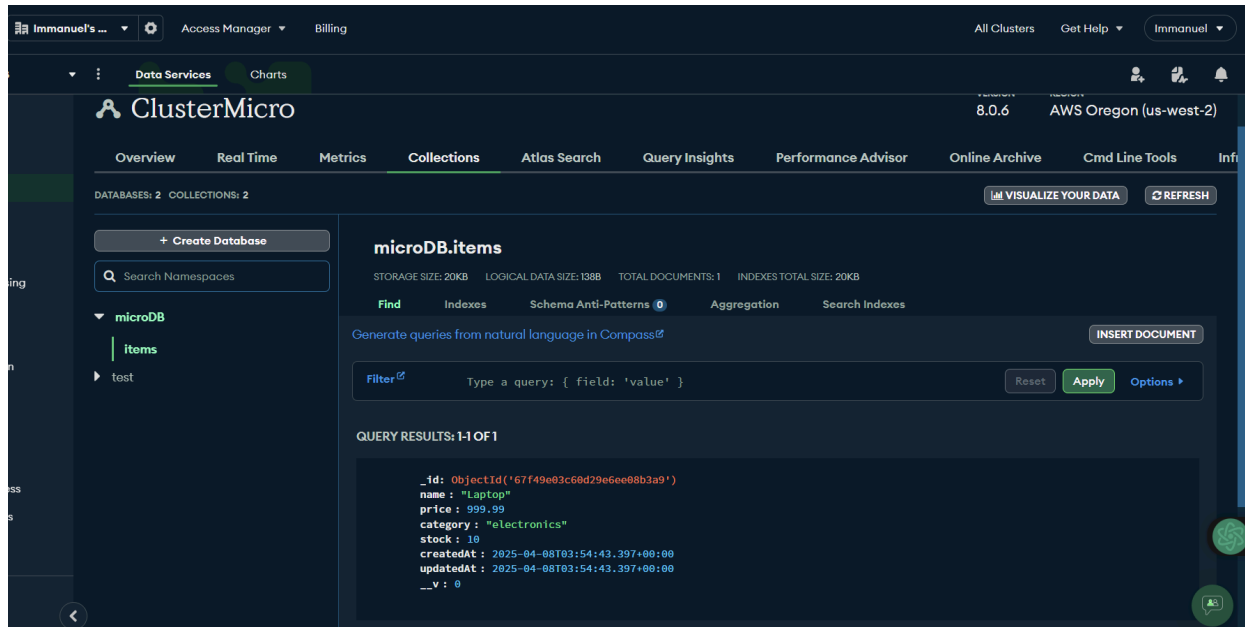
> microproject_2@1.0.0 dev
> nodemon server.js

[nodemon] 3.1.9
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node server.js`
MONGO_URI: mongodb+srv://immanueljoy107:immanuel@clustermicro.yj1gozk.mongodb.net/microDB?retryWrites=true&w=majority
Server running on port 3000
MongoDB connected
```

This Is Sensitive content, since P.W. is exposed.

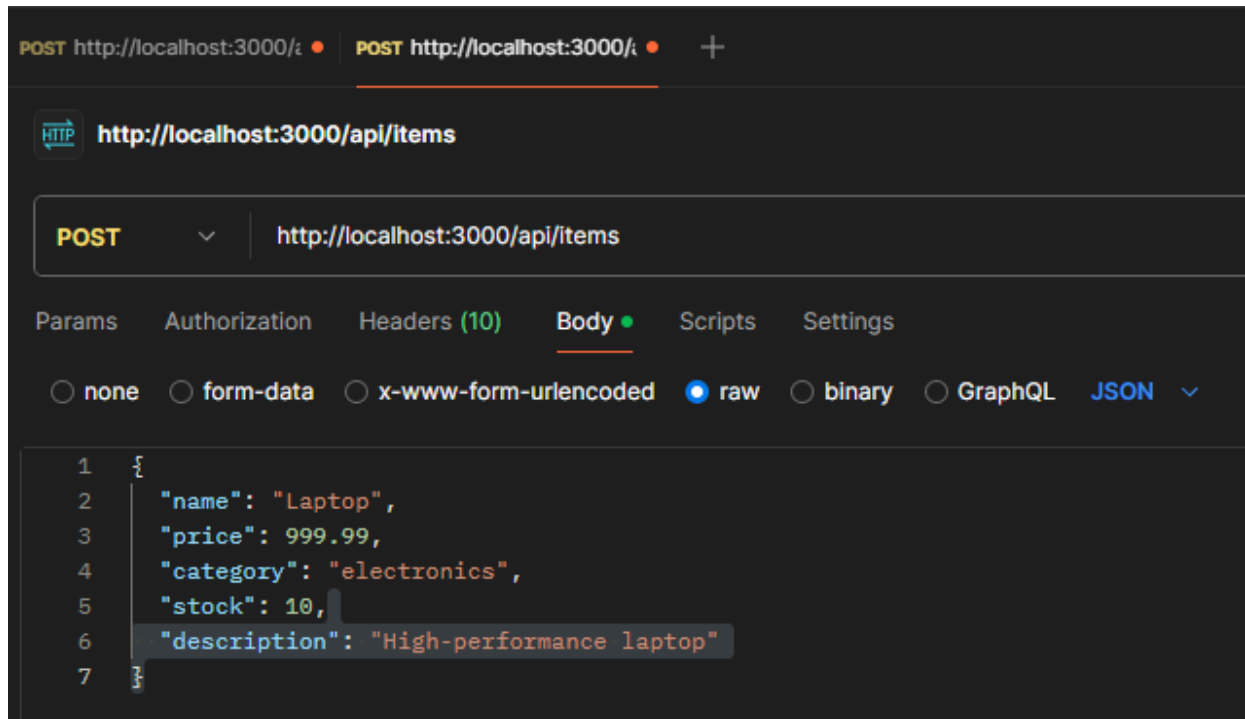
3. MongoDB Atlas Database

The screenshot below shows the MongoDB Atlas dashboard for the microDB database, specifically the items collection. It includes at least one document that was created using the POSTMAN request, demonstrating that the CREATE operation successfully added a record to the database.



4. POSTMAN CREATE Operation

The screenshot below shows the POSTMAN desktop application (or VS Code extension) performing the CREATE operation. The request is a POST to `http://localhost:3000/api/items` with a JSON body containing the item data. The response has a status code of 201 Created and includes the created item with an `_id` field.



5. GitHub Repository Link

The project has been uploaded to GitHub as per the instructions. The repository includes all project files (excluding node_modules) and a README.md file with a description of the project. Below is the link to the repository:

GitHub URL: [MicroProject_2](#)

Thank you and have a wonderful day