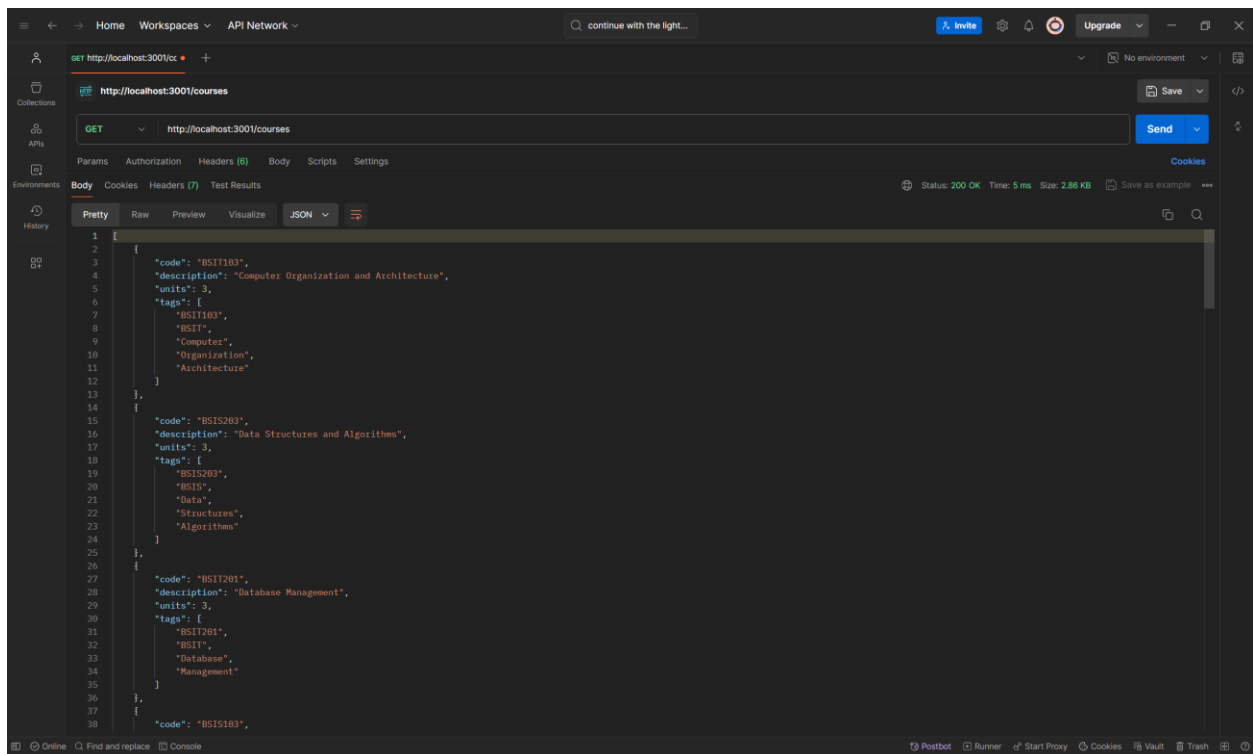Julius Benefer N. Murillo

BSI/T – 3D

This API allows for the retrieval of course information from a MongoDB database. Its features include retrieving all published backend courses sorted alphabetically and extracting their name and specialization, as well as retrieving all published BSIS and BSIT courses.
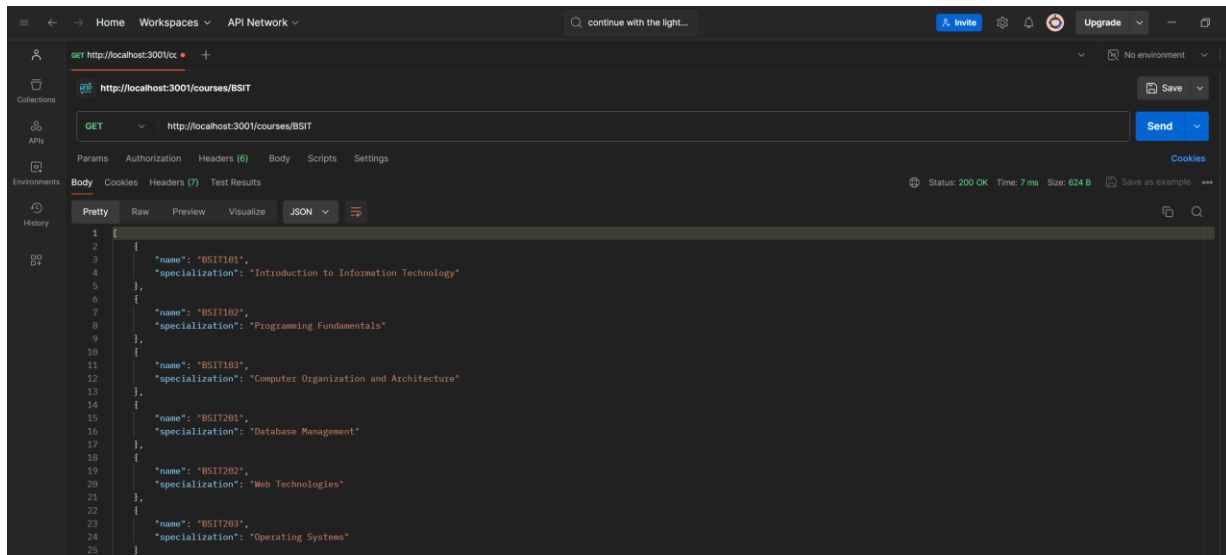
Prerequisites

- Node.js installed on your system
- Make sure that server is running
- MongoDB installed and running locally
- Importing the courses data using this command: mongoimport --db mongo-test --collection courses --file courses.json --jsonArray
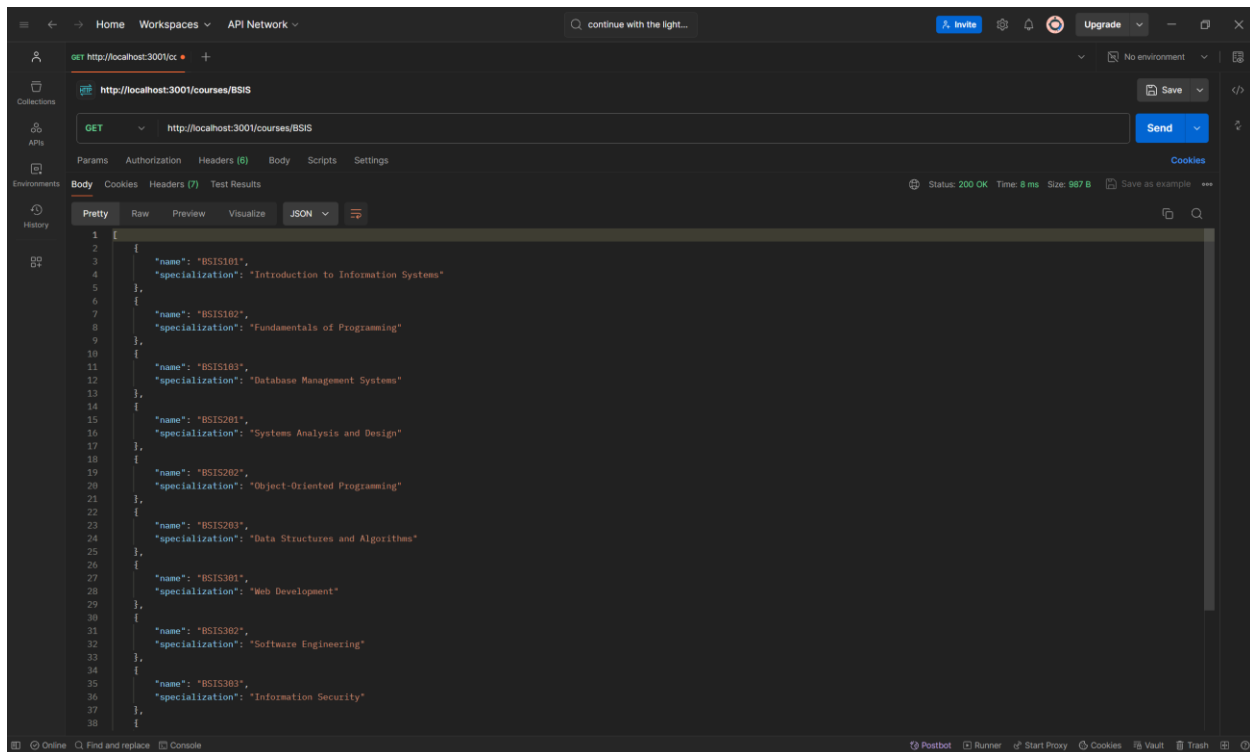- Postman for API testing

Retrieved all courses

Retrieved BSIT sorted alphabetically

Retrieved BSIT sorted alphabetically

Challenges and Solutions:

1. Hardware used:
   - Challenge: The laptop I used in when the activity is given is too slow it barely even opens apps and when opening postman and mongodb it always turns white and says not responding.
   - Solution: I waited for my laptop to get repaired because there's no one I can borrow a laptop plus the classes are online base only in almost 3 months so I could borrow a laptop to my classmates.
2. Port In Use:
   - Challenge: The port was already in use.
   - Solution: Changed the port to 3001 or identified and stopped the process using the port.
3. Node app crashes:
   - Challenge: [nodemon] app crashed - waiting for file changes before starting...
   - Solution: Save the changes or close and reopen the IDE.
4. Wrong code:
   - Challenge: I got typo in " ' " which should be " ` ".
   - Solution: by debugging found the typo and replaced the " ' " with " ` ".

Thanks to my classmates and Chat-gpt for helping me solve some problems that I encountered that I couldn't fix by myself.

Thank you, Sir, for your kind consideration for accepting my work.