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BSIT-3D   **February 23, 2024**

Introduction

This documentation provides an overview of the functionality and endpoints of the Express application with MongoDB integration for managing courses.
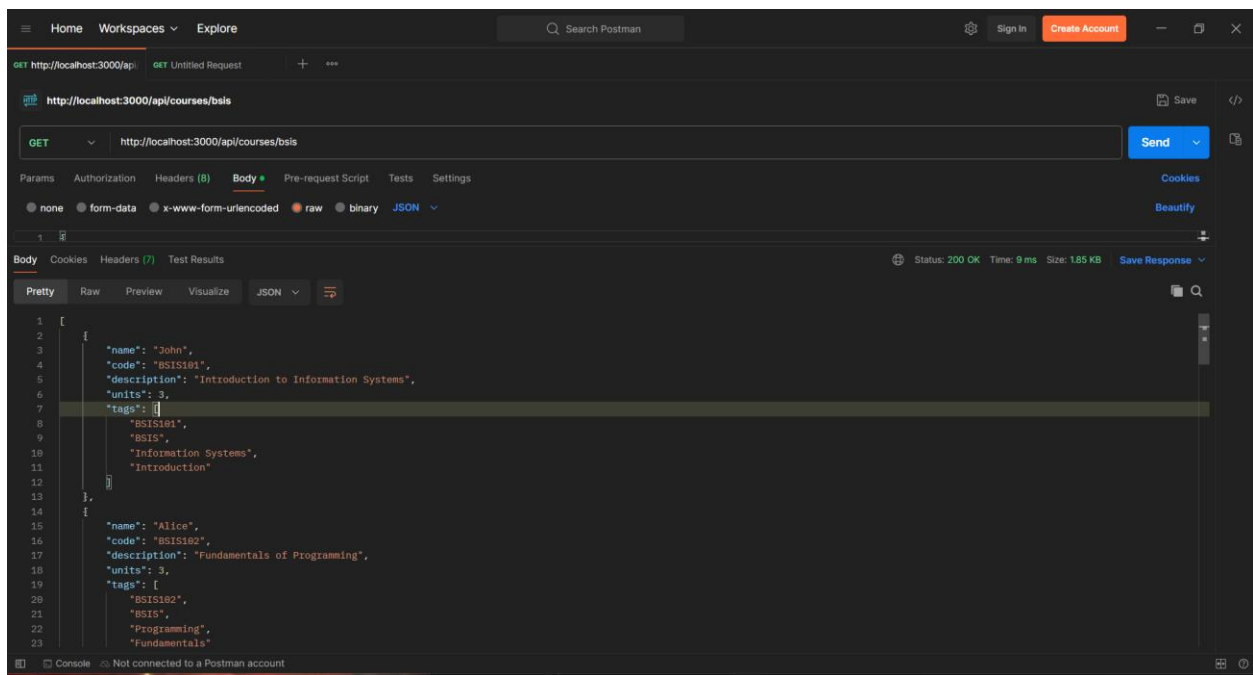
Endpoints

1. Retrieve all BSIS courses

URL: `/api/courses/bsis`

Method:`GET`

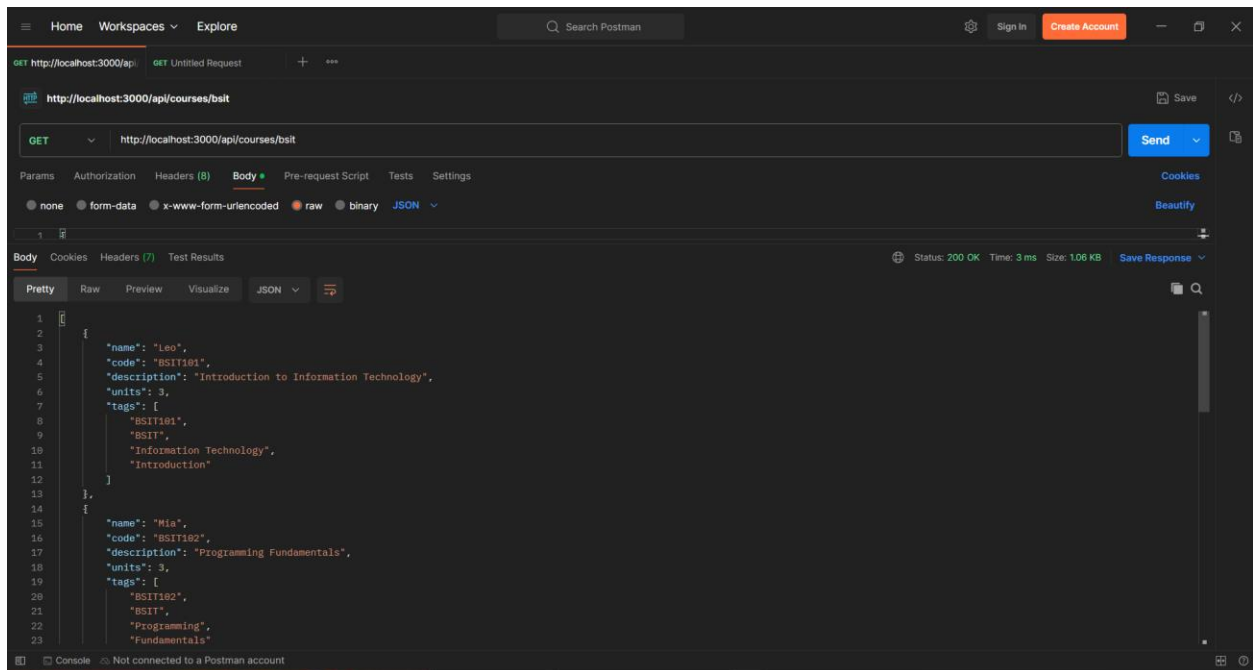Retrieves all Bachelor of Science in Information Systems (BSIS) courses.

2. Retrieve all BSIT courses

URL: `/api/courses/bsit`

Method: `GET`

Retrieves all Bachelor of Science in Information Technology (BSIT) courses.
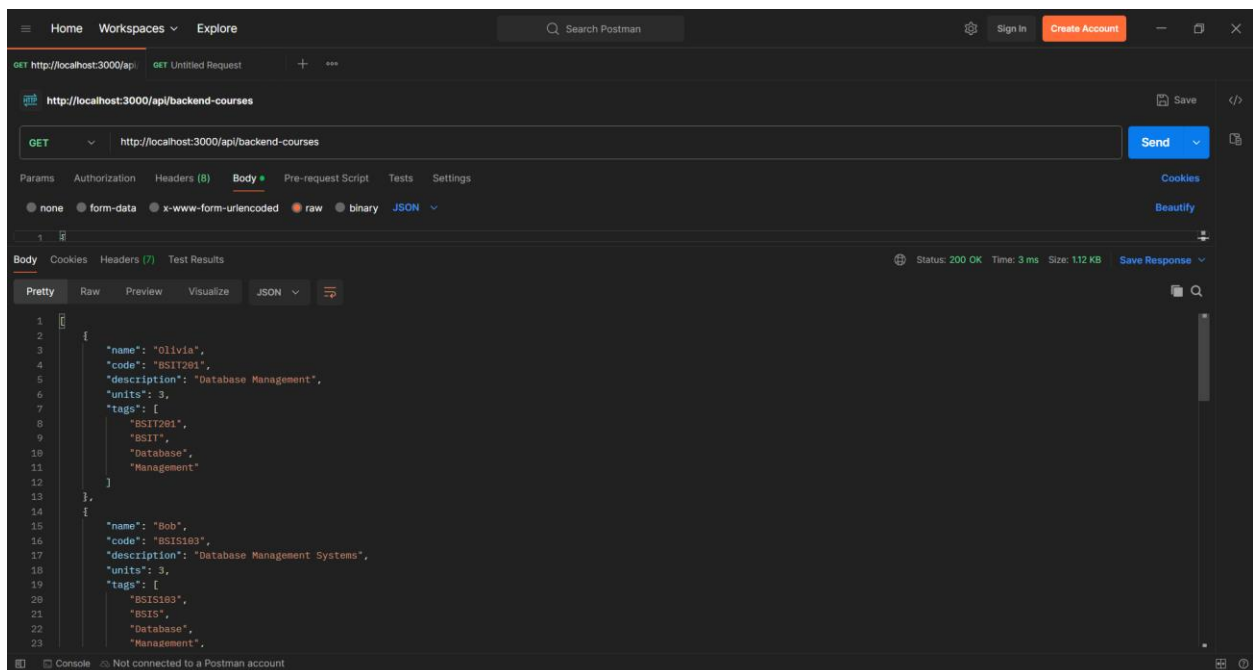
3. Retrieve all backend courses alphabetically

URL: `/api/backend-courses`

Method: `GET`

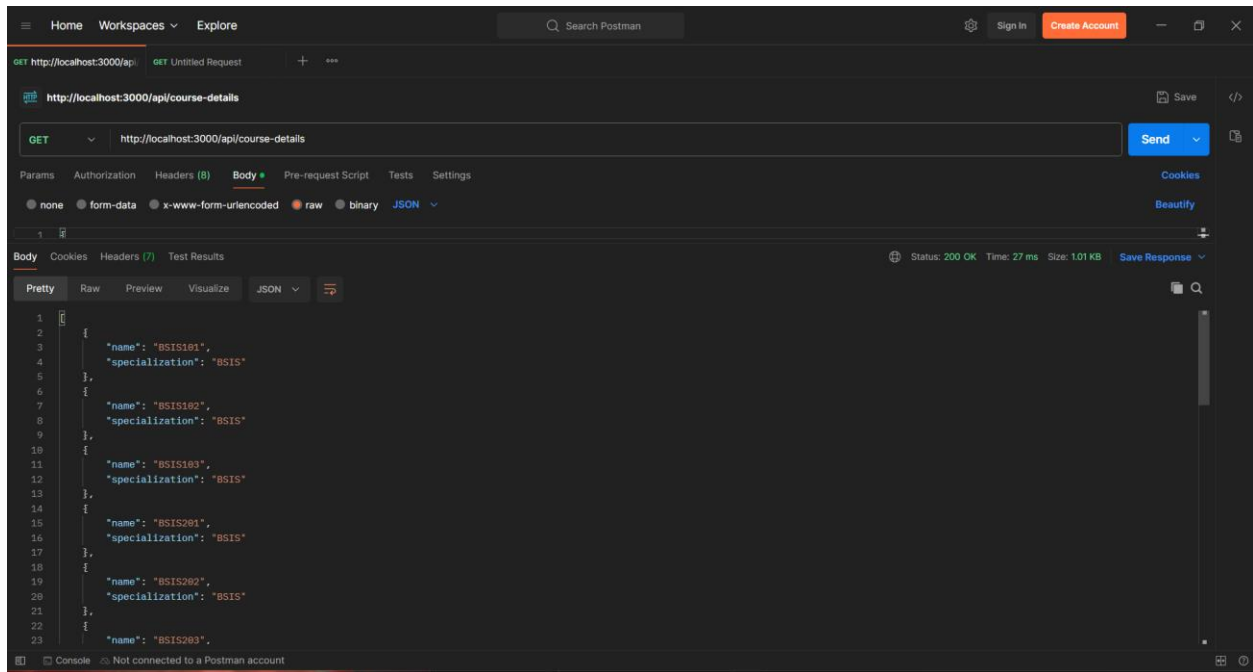Retrieves all backend courses sorted alphabetically by description.

4. Retrieve course details

URL: `/api/course-details`

Method: `GET`

Retrieves details of all courses including their name and specialization.

Data Models

Course

- **Fields:**

  - `description` (String, required): Description of the course.

  - `tags` (Array of Strings): Tags associated with the course.

Dependencies

Express: Fast, unopinionated, minimalist web framework for Node.js.

Mongoose: MongoDB object modeling tool designed to work in an asynchronous environment.

Database

The application connects to a local MongoDB instance named `mongo-test`.

Error Handling

In case of errors, the server returns a 500 Internal Server Error response along with an error message in JSON format.

Running the Server

The server listens on port 3005 by default. You can specify a different port using the `PORT` environment variable.

This documentation covers the endpoints, data models, dependencies, database connection, error handling, and how to run the server.