Exercise: RESTful API Development

Objective: The objective of this exercise is to design and implement a simple RESTful API for a task management system.

Requirements:

1. Design a RESTful API for managing tasks. The API should include the following functionality:

    - Create a new task.

    - Retrieve a specific task by its ID.

    - Retrieve a list of all tasks.

    - Update an existing task.

    - Delete a task.

2. Choose a programming language and framework of your choice to implement the API.

3. Use a suitable database system (e.g., SQL, NoSQL) to store and retrieve the task data.

4. Implement appropriate error handling and validation for the API endpoints.

Submission Guidelines:

1. Create a GitHub repository (or any other version control system) for your code.

2. Commit your code regularly with meaningful commit messages.

3. Once completed, share the repository link with us.

Good Luck!