



Develop RESTful API using Java with Spring Boot framework, connecting to a SQL database for CRUD (Create, Read, Update, Delete) operations.

The API should do CRUD operations on Employ and also Employee Addresses

Total 8 APIs

1. Create new Employee
2. Create Employee Address
3. Update Employee
4. Update Employee Address
5. Fetch Employee by Id
6. Fetch All Employee (include sort and searching Name) using Java Streaming API
7. Fetch all addresses of a particular employee (Employee can have 1 - more addresses)
8. Delete Employee

Note: You can have 5 fields in Employee data and 5 fields in Addresses data

Requirements:

- Technology Stack:
 - Java
 - Spring Boot
 - SQL Database (e.g., MySQL, PostgreSQL)
- Functionality:
 - Implement endpoints for CRUD operations on a specific entity (e.g., User, Product).
 - Ensure proper validation of incoming requests.
 - Implement appropriate error handling.
 - Usage of proper HTTPStatus code
 - Utilize Spring Data JPA for database interactions.
 - Implement proper API documentation (e.g., Swagger).
- Database Schema:
 - Define an appropriate schema for the chosen entity/entities.
 - Use SQL to create the necessary tables and relationships.
- Testing:
 - Write unit tests to ensure the functionality of the implemented endpoints.
 - Test the API endpoints using tools like Postman or curl.
- Security (Optional, but a plus):
 - Implement basic authentication or JWT-based token authentication for securing the API endpoints.