Sample Spring Boot project API document

Introduction

This is a sample spring boot project those who are seeking to learn about how to create a simple spring boot crud application. This project has implemented all the crud operations in a simple way. You can learn how to do crud operations in spring boot.

Technologies Used

Spring Boot

MySQL

Hibernate

IDE used

IntelliJ IDEA

API Signatures

Here I have run this application in localhost and 8883 port. You can change the port as you wish.

API signature	Metho	Description
	d	
localhost:8883/employee/save	POST	This API will save an employee in
		employee database. (a record will insert
		to employee table).
localhost:8883/employee/getall	GET	This API will give details of all the
		employees as a List.
localhost:8883/employee/getone/{employeeld}	GET	This API will give details of the employee,
		that we send the employee id in the url.
localhost:8883/employee/delete/{employeeId}	DELETE	This API will give delete the employee,
		that we send the employee id in the
		url.(delete the record of that employee
		from employee table)
localhost:8883/employee/update	PUT	This API will update the details of an
		employee. (update the employee table)

Let's test the API

Import project to IDE

First you must clone the project from the GitHub repository and then open the project using IntelliJ as below.

File -> Open -> select your project

Create the Database

You must create your database.

Create a database as *employee* in your MySQL workbench. You can create your own database. it doesn't have to be the name as *employee* in my case I used the database as *employee*. You can create your oen database. If you are creating your own database, then you must change the database name in property file to the name of your changed database. You can find it in below image, the database name is highlighted.

And, database username and password must change according to your MySQL configuration.

NOTE: -

You only need to create the database, you must not create the tables. when you run the application Hibernate will create the tables in the *employee* database for you.

Then Build and Run your project.

You can test all the routes of the API using postman. Here I have include all the screen shots of API calls using postman.

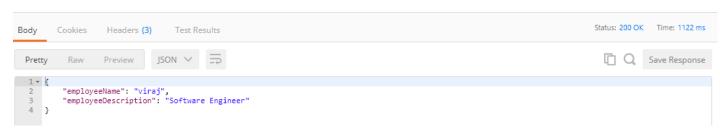
POST

localhost:8883/employee/save

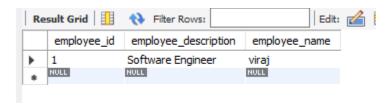
Request



Response



Database



GET

localhost:8883/employee/getall

Database

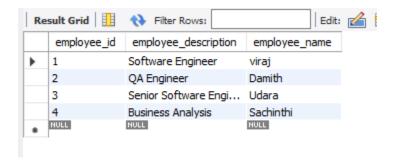


Response

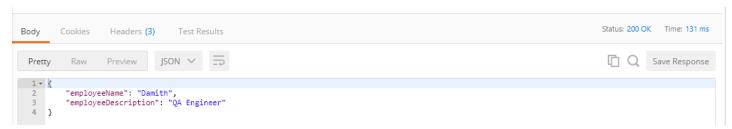
GET

localhost:8883/employee/getone/2

Database



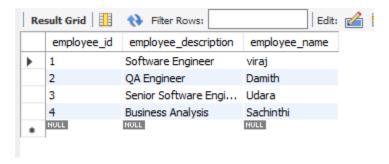
Response



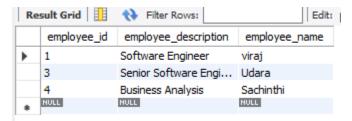
DELETE

localhost:8883/employee/delete/2

Database (Before delete the record which has the employee Id is 2)



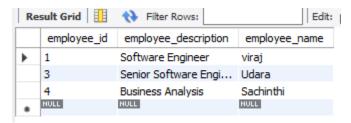
Database (After delete the record which has the employee Id as 2)



PUT

localhost:8883/employee/update

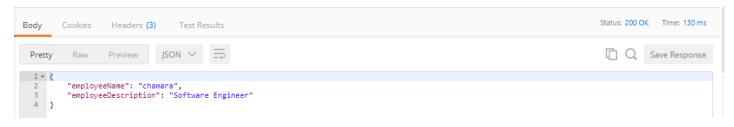
Database (Before update the record which has the id as 1)



Request



Response



Database (After update the record which has the id as 1)

