**Spring-Boot CRUD Documentation**

**Functional Requirements**

Each of the following functional requirements is executed in the requests.HTTP file which is used to test REST API endpoints and allows for quick HTTP request communication.

1. **Create or POST Operation**

* Executed through the user input:
* POST <http://localhost:8080/api/v1/worker>

Content-Type: application/json

{

“department”: “Java”,

“fullname”: “Ayo”,

“role”: “DevOps”

}

* Which inserts the details of the described parameters in the block of code representing table fields into the database “worker”.

1. **Read or GET Operation**

* Executed through the user input:
* GET <http://localhost:8080/api/v1/worker>
* Which retrieves all workers currently stored in the Database.

1. **Read or GET Operation with ID Constraint**

* Executed through the user input:
* GET <http://localhost:8080/api/v1/worker>/\*id\*
* Which retrieves all workers currently stored in the Database identified with the ID entered in the instruction code.

1. **Update or PUT Operation**

* Executed through the user input:
* PUT <http://localhost:8080/api/v1/worker>/\*id\*?fullname=\*first\*&20\*last&department=\*department name\*&role=\*role\*
* Which updates and overrides the Database field(s) of any Database records identified with the ID entered initially in the instruction code.

1. **Delete or DELETE Operation**

* Executed through the user input:
* DELETE <http://localhost:8080/api/v1/worker>/\*id\*
* Which Deletes the Database Record(s) identified with the ID entered in the instruction code.