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Sub - DevOps & Services

GitHub repo - <https://github.com/nayanlonkar/dev-ops.git>

Backend :- NodeJS + ExpressJs

Database :- mysql

To build the container, use the following command,

```
>>> $ docker build -t crud_image .
```

To run the container use,

```
>>> $ docker run -it -p 8080:8080 crud_image /bin/bash
```

where crud_image is name of the image I created. One can use another name.

This command will run the container and prompt to the container's bash

```
>>> root@<container_id>:/#
```

Now start the mysql service using following command

```
>>> root@<container_id>:/# /etc/init.d/mysql start
```

Run the following script.

```
>>> root@<container_id>:/# mysql < /dev-ops/myApp/script.sql
```

Now, run the server using

```
>>> root@<container_id>: cd /dev-ops/myApp
```

```
>>> root@<container\_id>:/dev-ops/myApp# node server.js
```

JSON collection is added into github repository.

API's calls -

Get By Id or Get by name

URL – <http://localhost:8080/user?id=1>

Get By Name

URL – <http://localhost:8080/user?name=Tony Stark>

Post

URL – <http://localhost:8080/user>

Put / Update

URL – <http://localhost:8080/user?id=1>

Delete

URL – <http://localhost:8080/user?id=1>

The screenshot shows the Postman Collection Runner interface. At the top, the status bar indicates '0 passed' and '0 failed' tests. The collection is named 'CRUD' and is running in 'No Environment'. The runner shows 'Iteration 1' with five test results, all of which passed with a status of '200 OK'.

Method	Request	URL	CRUD / Method	Status	Time	Size
GET	Get By Id	http://localhost:8080/user?id=1	CRUD / GET / Get By Id	200 OK	15 ms	256 B
This request does not have any tests.						
GET	Get By name	http://localhost:8080/user?name=Tony Stark	CRUD / GET / Get By name	200 OK	7 ms	267 B
This request does not have any tests.						
POST	Post Request	http://localhost:8080/user	CRUD / POST / Post Request	200 OK	28 ms	242 B
This request does not have any tests.						
PUT	PUT request	http://localhost:8080/user?id=1	CRUD / PUT / PUT request	200 OK	30 ms	242 B
This request does not have any tests.						
DELETE	DELETE request	http://localhost:8080/user?id=1	CRUD / DELETE / DELETE request	200 OK	29 ms	243 B
This request does not have any tests.						