

NodeJS + Express + Mysql

1. หลังจากติดตั้ง nodejs แล้ว
2. นำไฟล์ testnode.sql upload เข้า MySQL ใน Docker
3. ไปที่ drive d: แล้ว สร้าง folder testnode
 - a. เปิดหน้าต่าง cmd
 - b. เปลี่ยนเป็น drive d: `>d:↵`
 - c. สร้าง folder testnode `>mkdir testnode ↵` `>cd testnode↵`
4. Initial node project `>npm init↵` ตรวจสอบไฟล์ package.json
5. Install package `>npm install --save mysql express body-parser ↵`
6. ติดตั้ง nodemon `>npm install nodemon -g↵`
7. Download file index.rar จาก facebook แล้ว copy ใส่ folder testnode แล้วแตก rar
8. Run node `>node index.js↵` หรือ `>nodemon index.js↵`
9. ทดสอบ Postman ตาม Operation CRUD

For customers, we can do all CRUD actions, so there'll be the following:

- **GET** /customers
- **POST** /customer
- **GET** /customer/{cID}
- **PUT** /customer/{cID}
- **DELETE** /customer/{cID}

Postman

Get all customers

PUT localhost:3000/customer GET localhost:3000/customer/ DEL localhost:3000/customer/ GET localhost:3000/customer/ POST localhost:3000/customer/ + ...

No Environment

customer / localhost:3000/customers

GET localhost:3000/customers

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK Time: 7 ms Size: 783 B Save Response

Pretty

Raw

Preview

Visualize

JSON

...

```
25  },
26  ],
27  {
28    "Id": 9,
29    "Name": "xxxx",
30    "Address": "xxxx",
31    "Country": "xxxx",
32    "Phone": "xxxx",
33    "Created_on": "2022-09-27T03:43:54.000Z"
34  },
35  {
36    "Id": 10,
37    "Name": "xxxx",
38    "Address": "xxxx",
39    "Country": "xxxx",
40    "Phone": "xxxx",
41    "Created_on": "2022-09-27T03:55:03.000Z"
42  }
}
```

Get a customer

PUT localhost:3000/customer GET localhost:3000/customer/ DEL localhost:3000/customer/ GET localhost:3000/customer/ POST localhost:3000/customer/ + ...

No Environment

customer / localhost:3000/customer/9

GET localhost:3000/customer/9

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK Time: 9 ms Size: 349 B Save Response

Pretty

Raw

Preview

Visualize

JSON

...

```
1  {
2    "Id": 9,
3    "Name": "xxxx",
4    "Address": "xxxx",
5    "Country": "xxxx",
6    "Phone": "xxxx",
7    "Created_on": "2022-09-27T03:43:54.000Z"
8  }
9
10 }
```

Create a new customer

PUT localhost:3000/customer GET localhost:3000/customer DEL localhost:3000/customer GET localhost:3000/customer POST localhost:3000/customer + ... No Environment

customer / localhost:3000/customer Save ...


POST localhost:3000/customer Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 { "name": "xxxx", "address": "xxxx", "country": "xxxx", "phone": "xxxx" }
```

Response



Click Send to get a response

Update an exist customer

PUT localhost:3000/customer GET localhost:3000/customer DEL localhost:3000/customer GET localhost:3000/customer POST localhost:3000/customer + ... No Environment

customer / localhost:3000/customer/8 Save ...

PUT localhost:3000/customer/1 Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 { "name": "xxxx", "address": "xxxx", "country": "xxxx", "phone": "xxxx" }
```

Body Cookies Headers (7) Test Results Status: 200 OK Time: 13 ms Size: 404 B Save Response

Pretty Raw Preview Visualize JSON

```
1 10 { "fieldCount": 0,
2    "affectedRows": 1,
3    "insertId": 0,
4    "serverStatus": 2,
5    "warningCount": 0,
6    "message": "(Rows matched: 1 Changed: 1 Warnings: 0",
7    "protocol41": true,
8    "changedRows": 1 }
```

Delete a customer

PUT localhost:3000/customerGET localhost:3000/customerDEL localhost:3000/customerGET localhost:3000/customerPOST localhost:3000/customer+...

No Environment

customer / localhost:3000/customer/8

Save

DELETElocalhost:3000/customer/8Send

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettings

Cookies

Query Params

KEY	VALUE	DESCRIPTION		Bulk Edit
Key	Value	Description		

BodyCookiesHeaders (5)Test Results

Status: 200 OKTime: 51 msSize: 172 BSave Response

PrettyRawPreviewVisualizeText

1Record has been deleted...