

Object User

Table

```
type User struct {
    Id          int64  `json:"id,omitempty" key:"primary" autoincr:"1" column:"id"`
    FirstName   string `json:"first_name" column:"first_name"`
    LastName    string `json:"last_name" column:"last_name"`
    Email       string `json:"email" column:"email"`
    Password    string `json:"password" column:"password"`
    ContactNumber string `json:"contact_number" column:"contact_number"`
    UpdatedBy   int64  `json:"updated_by" column:"updated_by"`
}
```

POST Method on it

Curl Request, Server Output, and MySQL

The terminal shows a curl POST request to a REST API. The output of the REST client shows a successful response with status 200 and a JSON body containing user details. The MySQL query result shows a table with 6 rows, including the newly created user.

```
sweta@chauhan: ~/Sweta/Golang/src/github.com/pucsd2020-pp/rest-api
sweta@chauhan:~/Sweta/Golang/src/github.com/pucsd2020-pp/rest-api$ ./main
2020/04/05 14:31:24 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:57794 - 200 165B in 321.12242ms
```

```
sweta@chauhan:~$ curl -X POST --data-raw '{"first_name":"Sarika","last_name":"Walke","email":"sweta.jsr@wesoft.ac.in","password":"12345678","contact_number":"9123456780","updated_by":0}' http://localhost:9090/webapi/v1/user
{"status":200,"data":{"first_name":"Sarika","last_name":"Walke","email":"sweta.jsr@wesoft.ac.in","password":"12345678","contact_number":"9123456780","updated_by":0}}
```

```
mysql> select * from user;
+-----+-----+-----+-----+-----+-----+
| Id | First Name | Last Name | Email | Password | Contact Number | Updated By |
+-----+-----+-----+-----+-----+-----+
| 2 | Sweta | Kumari | sweta.kumari@ | 1234567 | 9123456780 | 0 |
| 5 | Arti | Kumari | sweta.kumari@nomura.com | 1234567 | 9123456780 | 0 |
| 6 | Arti | Kumari | sweta.jsr@gmail.com | 1234567 | 9123456780 | 0 |
| 7 | Chauhan |  |  |  |  | 1 |
| 8 | Sarika | Walke | sweta.jsr@wesoft.ac.in | 1234567 | 9123456780 | 0 |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

Curl Request, Server Output, and Mysql

GET Method on it

Curl Request, Server Response, and Mysql

The image shows a Linux desktop with a sidebar of application icons. Two terminal windows are open.

Terminal 1 (Left):

```
sweta@chauhan: ~/Sweta/Golang/src/github.com/pucsd2020-pp/rest-api
2020/04/05 14:42:50 PUT http://localhost:9090/webapi/v1/user/7 HTTP/1.1" from 127.0.0.1:57812 - 200 173B in 46.310837ms
2020/04/05 14:43:40 DELETE http://localhost:9090/webapi/v1/user/8 HTTP/1.1" from 127.0.0.1:57814 - 200 49B in 314.027537ms
2020/04/05 14:44:06 GET http://localhost:9090/webapi/v1/user/8 HTTP/1.1" from 127.0.0.1:57816 - 200 172B in 635.965µs
2020/04/05 14:44:14 DELETE http://localhost:9090/webapi/v1/user/8 HTTP/1.1" from 127.0.0.1:57818 - 200 49B in 624.399µs
2020/04/05 14:44:52 GET http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:57820 - 200 929B in 544.972µs
```

Terminal 2 (Right):

```
sweta@chauhan: ~$ curl -X GET http://localhost:9090/webapi/v1/user
{"status":200,"data":[{"id":8,"first_name":"Sarika","last_name":"Walke","email":"sweta.jsr@wesoft.ac.in","password":"12345678","contact_number":"9123456780","updated_by":0},{id":8,"first_name":"Sarika","last_name":"Walke","email":"sweta.jsr@wesoft.ac.in","password":"12345678","contact_number":"9123456780","updated_by":0},{id":8,"first_name":"Sarika","last_name":"Walke","email":"sweta.jsr@wesoft.ac.in","password":"12345678","contact_number":"9123456780","updated_by":0},{id":8,"first_name":"Sarika","last_name":"Walke","email":"sweta.jsr@wesoft.ac.in","password":"12345678","contact_number":"9123456780","updated_by":0},{id":8,"first_name":"Sarika","last_name":"Walke","email":"sweta.jsr@wesoft.ac.in","password":"12345678","contact_number":"9123456780","updated_by":0},{id":8,"first_name":"Sarika","last_name":"Walke","email":"sweta.jsr@wesoft.ac.in","password":"12345678","contact_number":"9123456780","updated_by":0}]}sweta@chauhan:~$
```

Table Output:

2020-04-05 00:21:15	2	Sweta	Kumari	sweta.kumari@	1234567
8 9123456780	0	0	2020-04-05 13:00:21	1	1234567
2020-04-05 13:00:21	5	Arti	Kumari	sweta.kumari@nomura.com	1234567
8 9123456780	0	0	2020-04-05 13:03:30	1	1234567
2020-04-05 13:03:30	6	Arti	Kumari	sweta.jsr@gmail.com	1234567
8 9123456780	0	0	2020-04-05 13:08:46	1	1234567
2020-04-05 13:08:46	7	Arti	Chauhan	sweta.jsr@wesoft.acp.in	1234567
8 9123456780	0	1	2020-04-05 13:10:07	1	1234567
2020-04-05 14:42:50	8	Sarika	Walke	sweta.jsr@wesoft.ac.in	1234567
8 9123456780	0	1	2020-04-05 14:31:24	1	1234567
2020-04-05 14:43:40	6	rows in set (0.00 sec)			

GetById

```
Terminal
sweta@chauhan: ~/Sweta/Golang/src/github.com/pucsd2020-pp/rest-api
sweta@chauhan:~/Sweta/Golang/src/github.com/pucsd2020-pp/rest-api$ ./main
2020/04/05 14:31:24 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:57794 - 200 165B in 321.12242ms
2020/04/05 14:34:49 "GET http://localhost:9090/webapi/v1/user/8 HTTP/1.1" from 127.0.0.1:57796 - 200 172B in 846.377µs

sweta@chauhan:~$ curl -X GET http://localhost:9090/webapi/v1/user/8
{"status":200,"data":{"id":8,"first_name":"Sarika","last_name":"Walke","email":"sweta.jsr@wesoft.ac.in","password":"12345678","contact_number":"9123456780","updated_by":0}}
sweta@chauhan:~$

mysql>
2020-04-05 00:21:15 |
2 | Sweta | Kumari | sweta.kumari@ | 1234567
0 | 9123456780 | 0 | 2020-04-05 13:00:21 |
2020-04-05 13:00:21 |
5 | Arti | Kumari | sweta.kumari@nomura.com | 1234567
0 | 9123456780 | 0 | 2020-04-05 13:03:30 |
2020-04-05 13:03:30 |
6 | Arti | Kumari | sweta.jsr@gmail.com | 1234567
0 | 9123456780 | 0 | 2020-04-05 13:08:46 |
2020-04-05 13:08:46 |
7 | | Chauhan | | 1 | 2020-04-05 13:10:07 |
2020-04-05 13:18:25 |
8 | Sarika | Walke | sweta.jsr@wesoft.ac.in | 1234567
0 | 9123456780 | 0 | 2020-04-05 14:31:24 |
2020-04-05 14:31:24 |
-----+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

DELETE Method on it (It's soft delete by Id so no reflection on db)

Curl Request, Server Response and Mysql

```
Terminal
sweta@chauhan: ~/Sweta/Golang/src/github.com/pucsd2020-pp/rest-api
sweta@chauhan:~/Sweta/Golang/src/github.com/pucsd2020-pp/rest-api$ ./main
2020/04/05 14:42:50 "PUT http://localhost:9090/webapi/v1/user/7 HTTP/1.1" from 127.0.0.1:57812 - 200 173B in 46.310837ms
2020/04/05 14:43:40 "DELETE http://localhost:9090/webapi/v1/user/8 HTTP/1.1" from 127.0.0.1:57814 - 200 49B in 314.027537ms
2020/04/05 14:44:06 "GET http://localhost:9090/webapi/v1/user/8 HTTP/1.1" from 127.0.0.1:57816 - 200 172B in 635.965µs
2020/04/05 14:44:14 "DELETE http://localhost:9090/webapi/v1/user/8 HTTP/1.1" from 127.0.0.1:57818 - 200 49B in 624.399µs

sweta@chauhan:~$ curl -X DELETE http://localhost:9090/webapi/v1/user/8
{"status":200,"data":"User deleted successfully"}
sweta@chauhan:~$

mysql>
```