

Challenge #2

1. GET Method:

```
Terminal
yashashri@yashashri-HP-Notebook: ~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go
2020/04/08 11:03:53 "GET http://localhost:9090/webapi/v1/user/5 HTTP/1.1" from 127.0.0.1:44708 - 200 170B in 656.42µs

yashashri@yashashri-HP-Notebook: ~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X GET http://localhost:9090/webapi/v1/user/5
{"status":200,"data":{"id":5,"first_name":"Shree","last_name":"Kulkarni","email":"shree123@gmail.com","password":"sk@12345","contact_number":"7083753721","updated_by":0}}yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$

yashashri@yashashri-HP-Notebook: ~/go/src/github.com/pucsd2020-pp/rest-api$ mysql
mysql> select * from user_detail;
+-----+
| last_update | datetime | YES | | CURRENT_TIMESTAMP | on update CURRENT_TIMESTAMP |
+-----+
10 rows in set (0.01 sec)

mysql> select * from user_detail;
+-----+
| id | first_name | last_name | email | password | contact_number | updated_by | deleted | creation_date | last_update |
+-----+
| 1 | Yash | Pawar | yash545@gmail.com | yp@12345 | 7083753721 | 0 | 1 | 2020-04-07 23:46:27 | 2020-04-08 1
0:56:34 |
| 3 | Yashashri | Pawar | pawaryashashr@gmail.com | 12345678 | 7083753721 | 1 | 1 | 2020-04-07 23:51:00 | 2020-04-07 2
3:55:20 |
| 4 | sneha | Pawar | psneha@gmail.com | 12345678 | 7083753721 | 0 | 0 | 2020-04-08 10:12:59 | 2020-04-08 1
0:12:59 |
| 5 | Shree | Kulkarni | shree123@gmail.com | sk@12345 | 7083753721 | 0 | 0 | 2020-04-08 10:53:37 | 2020-04-08 1
0:53:37 |
+-----+
4 rows in set (0.00 sec)
```

2. POST Method:

here updated_by:0 work as id=id+1
updated_by:num work as id=(id+1)+num

```
Terminal
yashashri@yashashri-HP-Notebook: ~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go
2020/04/08 11:03:53 "GET http://localhost:9090/webapi/v1/user/5 HTTP/1.1" from 127.0.0.1:44708 - 200 170B in 656.42µs
2020/04/08 11:05:06 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:44714 - 200 161B in 46.221641ms

yashashri@yashashri-HP-Notebook: ~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X GET http://localhost:9090/webapi/v1/user/5
{"status":200,"data":{"id":5,"first_name":"Shree","last_name":"Kulkarni","email":"shree123@gmail.com","password":"sk@12345","contact_number":"7083753721","updated_by":0}}
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X POST -d '{"first_name":"Minal","last_name":"Kurane","email":"minal123@gmail.com","password":"mk@12345","contact_number":"7083753721","updated_by":0}' http://localhost:9090/webapi/v1/user
{"status":200,"data":{"first_name":"Minal","last_name":"Kurane","email":"minal123@gmail.com","password":"mk@12345","contact_number":"7083753721","updated_by":0}}yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$

yashashri@yashashri-HP-Notebook: ~/go/src/github.com/pucsd2020-pp/rest-api$ mysql
mysql> select * from user_detail;
+-----+
| id | first_name | last_name | email | password | contact_number | updated_by | deleted | creation_date | last_update |
+-----+
| 1 | Yash | Pawar | yash545@gmail.com | yp@12345 | 7083753721 | 0 | 1 | 2020-04-07 23:46:27 | 2020-04-08 1
0:56:34 |
| 3 | Yashashri | Pawar | pawaryashashr@gmail.com | 12345678 | 7083753721 | 1 | 1 | 2020-04-07 23:51:00 | 2020-04-07 2
3:55:20 |
| 4 | sneha | Pawar | psneha@gmail.com | 12345678 | 7083753721 | 0 | 0 | 2020-04-08 10:12:59 | 2020-04-08 1
0:12:59 |
| 5 | Shree | Kulkarni | shree123@gmail.com | sk@12345 | 7083753721 | 0 | 0 | 2020-04-08 10:53:37 | 2020-04-08 1
0:53:37 |
| 6 | Minal | Kurane | minal123@gmail.com | mk@12345 | 7083753721 | 0 | 0 | 2020-04-08 11:05:06 | 2020-04-08 1
1:05:06 |
+-----+
5 rows in set (0.00 sec)
```

3. PUT Method:

```
Terminal
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go
2020/04/08 11:03:53 "GET http://localhost:9090/webapi/v1/user/5 HTTP/1.1" from 127.0.0.1:44708 - 200 170B in 656.42µs
2020/04/08 11:05:06 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:44714 - 200 161B in 46.221641ms
2020/04/08 11:07:15 "PUT http://localhost:9090/webapi/v1/user/1 HTTP/1.1" from 127.0.0.1:44720 - 200 161B in 51.282309ms
[]

yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X GET http://localhost:9090/webapi/v1/user/5
{"status":200,"data":{"id":5,"first_name":"Shree","last_name":"Kulkarni","email":"shree123@gmail.com","password":"sk@12345","contact_number":"7083753721","updated_by":0}}
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X POST -d '{"first_name":"Minal","last_name":"Kurane","email":"minal123@gmail.com","password":"mk@12345","contact_number":"7083753721","updated_by":0}' http://localhost:9090/webapi/v1/user
{"status":200,"data":{"id":1,"first_name":"aaa","last_name":"bbb","email":"aaa222@gmail.com","password":"ab@12345","contact_number":"7083753721","updated_by":0}}
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X PUT -d '{"first_name":"aaa","last_name":"bbb","email":"aaa222@gmail.com","password":"ab@12345","contact_number":"7083753721","updated_by":0}' http://localhost:9090/webapi/v1/user/1
{"status":200,"data":{"id":1,"first_name":"aaa","last_name":"bbb","email":"aaa222@gmail.com","password":"ab@12345","contact_number":"7083753721","updated_by":0}}
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api
5 rows in set (0.00 sec)

mysql> select * from user_detail;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | email | password | contact_number | updated_by | deleted | creation_date | last_update |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | aaa | bbb | aaa222@gmail.com | ab@12345 | 7083753721 | 0 | 1 | 2020-04-07 23:46:27 | 2020-04-08 11:07:15 |
| 3 | Yashashri | Pawar | pawaryashashr@gmail.com | 12345678 | 7083753721 | 1 | 1 | 2020-04-07 23:51:00 | 2020-04-07 23:55:20 |
| 4 | sneha | Pawar | psneha@gmail.com | 12345678 | 7083753721 | 0 | 0 | 2020-04-08 10:12:59 | 2020-04-08 10:12:59 |
| 5 | Shree | Kulkarni | shree123@gmail.com | sk@12345 | 7083753721 | 0 | 0 | 2020-04-08 10:53:37 | 2020-04-08 10:53:37 |
| 6 | Minal | Kurane | minal123@gmail.com | mk@12345 | 7083753721 | 0 | 0 | 2020-04-08 11:05:06 | 2020-04-08 11:05:06 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

4. DELETE Method: this will set flag 1 to the column deleted

```
Terminal
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go
2020/04/08 11:03:53 "GET http://localhost:9090/webapi/v1/user/5 HTTP/1.1" from 127.0.0.1:44708 - 200 170B in 656.42µs
2020/04/08 11:05:06 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:44714 - 200 161B in 46.221641ms
2020/04/08 11:07:15 "PUT http://localhost:9090/webapi/v1/user/1 HTTP/1.1" from 127.0.0.1:44720 - 200 161B in 51.282309ms
2020/04/08 11:08:44 "DELETE http://localhost:9090/webapi/v1/user/5 HTTP/1.1" from 127.0.0.1:44722 - 200 49B in 44.463759ms
[]

yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X GET http://localhost:9090/webapi/v1/user/5
{"status":200,"data":{"id":5,"first_name":"Shree","last_name":"Kulkarni","email":"shree123@gmail.com","password":"sk@12345","contact_number":"7083753721","updated_by":0}}
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X POST -d '{"first_name":"Minal","last_name":"Kurane","email":"minal123@gmail.com","password":"mk@12345","contact_number":"7083753721","updated_by":0}' http://localhost:9090/webapi/v1/user
{"status":200,"data":{"id":1,"first_name":"aaa","last_name":"bbb","email":"aaa222@gmail.com","password":"ab@12345","contact_number":"7083753721","updated_by":0}}
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X PUT -d '{"first_name":"aaa","last_name":"bbb","email":"aaa222@gmail.com","password":"ab@12345","contact_number":"7083753721","updated_by":0}' http://localhost:9090/webapi/v1/user/1
{"status":200,"data":{"id":1,"first_name":"aaa","last_name":"bbb","email":"aaa222@gmail.com","password":"ab@12345","contact_number":"7083753721","updated_by":0}}
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X DELETE -d http://localhost:9090/webapi/v1/user/5
curl: no URL specified!
curl: try 'curl --help' or 'curl --manual' for more information
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X DELETE http://localhost:9090/webapi/v1/user/5
{"status":200,"data":"User deleted successfully"}
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api
5 rows in set (0.00 sec)

mysql>
```

5. GET_ALL Method:

```
Terminal
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go
2020/04/08 11:03:53 "GET http://localhost:9090/webapi/v1/user/5 HTTP/1.1" from 127.0.0.1:44708 - 200 170B in 656.42µs
2020/04/08 11:05:06 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:44714 - 200 161B in 46.221641ms
2020/04/08 11:07:15 "PUT http://localhost:9090/webapi/v1/user/1 HTTP/1.1" from 127.0.0.1:44720 - 200 161B in 51.282309ms
2020/04/08 11:08:44 "DELETE http://localhost:9090/webapi/v1/user/5 HTTP/1.1" from 127.0.0.1:44722 - 200 49B in 44.463759ms
2020/04/08 11:14:03 "DELETE http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:44786 - 405 0B in 6.766µs
2020/04/08 11:16:38 "GET http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:44818 - 200 758B in 497.991µs

yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X DELETE http://localhost:9090/webapi/v1/user/5
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X DELETE http://localhost:9090/webapi/v1/user
yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X GET http://localhost:9090/webapi/v1/user -i
HTTP/1.1 200 OK
Content-Type: application/json
Date: Wed, 08 Apr 2020 05:46:38 GMT
Content-Length: 758

{"status":200,"data":[{"id":6,"first_name":"Minal","last_name":"Kurane","email":"minal123@gmail.com","password":"mk@12345","contact_number":"7083753721","updated_by":0},{id":6,"first_name":"Minal","last_name":"Kurane","email":"minal123@gmail.com","password":"mk@12345","contact_number":"7083753721","updated_by":0},{id":6,"first_name":"Minal","last_name":"Kurane","email":"minal123@gmail.com","password":"mk@12345","contact_number":"7083753721","updated_by":0},{id":6,"first_name":"Minal","last_name":"Kurane","email":"minal123@gmail.com","password":"mk@12345","contact_number":"7083753721","updated_by":0}]}yashashri@yashashri-HP-Notebook:~/go/src/github.com/pucsd2020-pp/rest-api$
```

id	first_name	last_name	email	password	contact_number	updated_by	deleted	creation_date	last_update
1	aaa	bbb	aaa222@gmail.com	ab@12345	7083753721	0	1	2020-04-07 23:46:27	2020-04-08 11:07:15
3	Yashashri	Pawar	pawaryashashr@gmail.com	12345678	7083753721	1	1	2020-04-07 23:51:00	2020-04-07 23:55:20
4	sneha	Pawar	psneha@gmail.com	12345678	7083753721	0	0	2020-04-08 10:12:59	2020-04-08 10:12:59
5	Shree	Kulkarni	shree123@gmail.com	sk@12345	7083753721	0	1	2020-04-08 10:53:37	2020-04-08 11:08:44
6	Minal	Kurane	minal123@gmail.com	mk@12345	7083753721	0	0	2020-04-08 11:05:06	2020-04-08 11:05:06

6. JSON format:

```
Firefox Web Browser
(3) WhatsApp Course: Software Enginee localhost:9090/webapi/v1/ +
localhost:9090/webapi/v1/user/2
JSON Raw Data Headers
Save Copy Collapse All Expand All Filter JSON
status: 200
message: "Entry not found for id: 2"

Mozilla Firefox
localhost:9090/webapi/v1/ +
localhost:9090/webapi/v1/user/3
JSON Raw Data Headers
Save Copy Collapse All Expand All Filter JSON
status: 200
data:
  id: 3
  first_name: "Yashashri"
  last_name: "Pawar"
  email: "pawaryashashr@gmail.com"
  password: "12345678"
  contact_number: "7083753721"
  updated_by: 1
```