

## Challenge #2

- 1) GET
- 2) POST
- 3) PUT
- 4) DELETE

```
pushpa@pushpa-Lenovo-G580: ~/go/src/github.com/pucsd2020-pp/rest-api
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ cd rest-api/
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ mysql -u root -p < 000_create_database
bash: 000_create_database: No such file or directory
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ cd resource/
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource$ cd sql/
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$ mysql -u root -p < 000_create_database
bash: 000_create_database: No such file or directory
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$ cd ..
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource$ cd ..
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ mysql -u root -p < 000_create_database
bash: 000_create_database: No such file or directory
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ cd resource/
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource$ ls
config sql
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource$ cd sql/
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$ mysql -u root -p < 000_create_database
bash: 000_create_database: No such file or directory
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$ mysql -u root -p < 000_create_database.sql
Enter password:
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$ cd..
cd..: command not found
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$ cd ..
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource$ cd ..
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ ./res
resource/ rest-api
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ ./rest-api
2020/04/14 11:40:39 mysql.go:42: Failed to ping mysql: Error 1045: Access denied for user 'root'@'localhost' (using password: YES)
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ ./rest-api
2020/04/14 12:58:34 mysql.go:42: Failed to ping mysql: Error 1045: Access denied for user 'root'@'localhost' (using password: YES)
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ ./rest-api
2020/04/14 13:04:27 mysql.go:42: Failed to ping mysql: Error 1045: Access denied for user 'root'@'localhost' (using password: YES)
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ ./rest-api
2020/04/14 13:09:01 mysql.go:42: Failed to ping mysql: Error 1045: Access denied for user 'root'@'localhost' (using password: YES)
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ ./rest-api
2020/04/14 13:29:54 "POST http://localhost:9090/webapi/v1/user HTTP/1.1" from 127.0.0.1:42930 - 200 164B in 519.026588ms
2020/04/14 13:35:09 "GET http://localhost:9090/webapi/v1/user/1 HTTP/1.1" from 127.0.0.1:42938 - 200 171B in 231.56143ms
2020/04/14 13:41:20 "PUT http://localhost:9090/webapi/v1/user/1 HTTP/1.1" from 127.0.0.1:42948 - 200 175B in 1.211076232s
2020/04/14 13:50:53 "GET http://localhost:9090/webapi/v1/user/1 HTTP/1.1" from 127.0.0.1:42958 - 200 175B in 71.117872ms
2020/04/14 14:02:03 "GET http://localhost:9090/webapi/v1/user/1 HTTP/1.1" from 127.0.0.1:42970 - 200 175B in 1.279891ms
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pushpa@pushpa-Lenovo-G580: ~/go/src/github.com/pucsd2020-pp/rest-api
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$ cd ..
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource$ cd ..
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ go run main.go
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X POST -d '{"first_name":"aarti", "last_name":"shelar", "email":"spv.pucssd@gmail.com", "password":"rani2911#", "contact_number":"9850921794", "updated_by":0}' http://localhost:9090/webapi/v1/user
{"status":200,"data":{"id":1,"first_name":"aarti", "last_name":"shelar", "email":"spv.pucssd@gmail.com", "password":"rani2911#", "contact_number":"9850921794", "updated_by":0}}
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X GET http://localhost:9090/webapi/v1/user/1
{"status":200,"data":{"id":1,"first_name":"aarti", "last_name":"shelar", "email":"spv.pucssd@gmail.com", "password":"rani2911#", "contact_number":"9850921794", "updated_by":0}}
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X PUT -d '{"first_name":"pu", "last_name":"shelar", "email":"pushpaselar1610@gmail.com", "password":"pushpa.#", "contact_number":"709689627271", "updated_by":0}' http://localhost:9090/webapi/v1/user/1
{"status":200,"data":{"id":1,"first_name":"pu", "last_name":"shelar", "email":"pushpaselar1610@gmail.com", "password":"pushpa.#", "contact_number":"709689627271", "updated_by":0}}
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X DELETE -d http://localhost:9090/webapi/v1/user/1
curl: no URL specified!
curl: try 'curl --help' or 'curl --manual' for more information
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X DELETE -d http://localhost:9090/webapi/v1/user/1
curl: no URL specified!
curl: try 'curl --help' or 'curl --manual' for more information
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X DELETE -d http://localhost:9090/webapi/v1/user/1
curl: no URL specified!
curl: try 'curl --help' or 'curl --manual' for more information
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$ curl -X GET http://localhost:9090/webapi/v1/user/1
{"status":200,"data":{"id":1,"first_name":"pu", "last_name":"shelar", "email":"pushpaselar1610@gmail.com", "password":"pushpa.#", "contact_number":"709689627271", "updated_by":0}}
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api$
```

```
pushpa@pushpa-Lenovo-G580: ~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql
pushpa@pushpa-Lenovo-G580:~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 6
Server version: 5.7.29-0ubuntu0.16.04.1 (Ubuntu)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> USE restapi;
Database changed
mysql>
mysql> CREATE TABLE IF NOT EXISTS user_detail (
-> id INT AUTO_INCREMENT PRIMARY KEY,
-> first_name CHAR(25) NOT NULL,
-> last_name CHAR(25) NOT NULL,
-> email CHAR(64) NOT NULL UNIQUE,
-> password VARBINARY(128) NOT NULL,
-> contact_number CHAR(15) NOT NULL,
-> updated_by INT NOT NULL DEFAULT 0,
-> deleted TINYINT(1) NOT NULL DEFAULT 0,
-> creation_date DATETIME DEFAULT CURRENT_TIMESTAMP,
-> last_update DATETIME DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
-> )ENGINE = INNODB CHARACTER SET=utf8;
Query OK, 0 rows affected (1.74 sec)

mysql> select * from user_detail;
Empty set (0.30 sec)

mysql> select * from user_detail;
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | email | password | contact_number | updated_by | deleted | creation_date | last_update |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | aarti | shelar | spv.pucssd@gmail.com | rani2911# | 9850921794 | 0 | 0 | 2020-04-14 13:29:53 | 2020-04-14 13:29:53 |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
29:53 |
```

```
pushpa@pushpa-Lenovo-G580: ~/go/src/github.com/pucsd2020-pp/rest-api/resource/sql
mysql> select * from user_detail;
Empty set (0.30 sec)

mysql> select * from user_detail;
+-----+
| id | first_name | last_name | email | password | contact_number | updated_by | deleted | creation_date | last_update |
+-----+
| 1 | aarti | shelar | spv.pucssd@gmail.com | rani2911# | 9850921794 | | 0 | 2020-04-14 13:29:53 | 2020-04-14 13:29:53 |
+-----+
1 row in set (0.04 sec)

mysql> select * from user_detail;
+-----+
| id | first_name | last_name | email | password | contact_number | updated_by | deleted | creation_date | last_update |
+-----+
| 1 | pu | shelar | pushpashelar1610@gmail.com | pushpa.# | 709689627271 | | 0 | 2020-04-14 13:29:53 | 2020-04-14 13:41:20 |
+-----+
1 row 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 | pu | shelar | pushpashelar1610@gmail.com | pushpa.# | 709689627271 | | 0 | 2020-04-14 13:29:53 | 2020-04-14 13:41:20 |
+-----+
1 row in set (0.00 sec)

mysql>
```

JSON format:

```
Mozilla Firefox
Gmail - Email from Google X pucsd2020-pp/rest-api X localhost:9090/webapi/v1/ X +
localhost:9090/webapi/v1/user/1
JSON Raw Data Headers
Save Copy Collapse All Expand All Filter JSON
status: 200
data:
  id: 1
  first_name: "pu"
  last_name: "shelar"
  email: "pushpashelar1610@gmail.com"
  password: "pushpa.#"
  contact_number: "709689627271"
  updated_by: 0
```