CURL commands to perform testing operations:

1. Read users from the table

$ curl <http://127.0.0.1/usermgmt/api/read.php>

{"users":[{"id":1,"first\_name":"Grace","last\_name":"Hopper","username":"grace\_hopper","mode":0},{"id":2,"first\_name":"Ellen”,“last\_name":"Ullman","username":"Ullman\_Ellen","mode":0},{"id":3,"first\_name":"Bill","last\_name":"Gates","username":"Bill\_Gates","mode":0},{"id":4,"first\_name":"Ada","last\_name":"Lovelace","username":"Ada\_Lovelace","mode":0},{"id":5,"first\_name":"Jeremy ","last\_name":"Keith","username":"Jeremy\_Keith","mode":0}]}

$ curl -i <http://127.0.0.1/usermgmt/api/read.php> (with headers)

HTTP/1.1 200 OK

Date: Fri, 16 Apr 2021 11:54:39 GMT

Server: Apache/2.4.46 (Win64) PHP/7.3.21

X-Powered-By: PHP/7.3.21

Access-Control-Allow-Origin: \*

Content-Length: 440

Content-Type: application/json

{"users":[{"id":1,"first\_name":"Grace","last\_name":"Hopper","username":"grace\_hopper","mode":0},{"id":2,"first\_name":"Ellen","last\_name":"Ullman","username":"Ullman\_Ellen","mode":0},{"id":3,"first\_name":"Bill","last\_name":"Gates","username":"Bill\_Gates","mode":0},{"id":4,"first\_name":"Ada","last\_name":"Lovelace","username":"Ada\_Lovelace","mode":0},{"id":5,"first\_name":"Jeremy ","last\_name":"Keith","username":"Jeremy\_Keith","mode":0}]}

1. Read a single user from table based on their id

$ curl <http://127.0.0.1/usermgmt/api/read_user.php?id=3>

{"id":3,"first\_name":"Bill","last\_name":"Gates","username":"Bill\_Gates","mode":0}

1. Create a new user

$ curl -X POST http://localhost/usermgmt/api/create.php --data '{"first\_name":"Maria","last\_name":"Jacob","username":"supertatoo@2015","darkmode":0}'

{"message":"New user created"}

After new user created:

$ curl <http://localhost/usermgmt/api/read.php>

{"users":[{"id":1,"first\_name":"Grace","last\_name":"Hopper","username":"grace\_hopper","mode":0},{"id":2,"first\_name":"Ellen","last\_name":"Ullman","username":"Ullman\_Ellen","mode":0},{"id":3,"first\_name":"Bill","last\_name":"Gates","username":"Bill\_Gates","mode":0},{"id":4,"first\_name":"Ada","last\_name":"Lovelace","username":"Ada\_Lovelace","mode":0},{"id":5,"first\_name":"Jeremy ","last\_name":"Keith","username":"Jeremy\_Keith","mode":0},{"id":10,"first\_name":"Steve","last\_name":"Thomas","username":"steve\_thomas@1985","mode":0},{"id":11,"first\_name":"Maria","last\_name":"Jacob","username":"supertatoo@2015","mode":0}]}

1. Update user data

$ curl -X PUT http://localhost/usermgmt/api/update.php --data '{"first\_name":"Stewart","last\_name":"Thomas","username":"stewart\_thomas@1982","darkmode": 0,"id": 10}'

{"message":"User data updated"}

After user’s data gets updated:

$ curl <http://localhost/usermgmt/api/read.php>

{"users":[{"id":1,"first\_name":"Grace","last\_name":"Hopper","username":"grace\_hopper","mode":0},{"id":2,"first\_name":"Ellen","last\_name":"Ullman","username":"Ullman\_Ellen","mode":0},{"id":3,"first\_name":"Bill","last\_name":"Gates","username":"Bill\_Gates","mode":0},{"id":4,"first\_name":"Ada","last\_name":"Lovelace","username":"Ada\_Lovelace","mode":0},{"id":5,"first\_name":"Jeremy","last\_name":"Keith","username":"Jeremy\_Keith","mode":0**},{"id":10,"first\_name":"Stewart","last\_name":"Thomas","username":"stewart\_thomas@1982","**mode":0},{"id":11,"first\_name":"Maria","last\_name":"Jacob","username":"supertatoo@2015","mode":0}]}

1. Delete a user based on the id given

$ curl -X DELETE <http://localhost/usermgmt/api/delete.php?id=11>

After deleted the user:

$ curl <http://localhost/usermgmt/api/read.php>

{"users":[{"id":1,"first\_name":"Grace","last\_name":"Hopper","username":"grace\_hopper","mode":0},{"id":2,"first\_name":"Ellen","last\_name":"Ullman","username":"Ullman\_Ellen","mode":0},{"id":3,"first\_name":"Bill","last\_name":"Gates","username":"Bill\_Gates","mode":0},{"id":4,"first\_name":"Ada","last\_name":"Lovelace","username":"Ada\_Lovelace","mode":0},{"id":5,"first\_name":"Jeremy","last\_name":"Keith","username":"Jeremy\_Keith","mode":0},{"id":10,"first\_name":"Stewart","last\_name":"Thomas","username":"stewart\_thomas@1982","mode":0}]}

1. Search a user based on the first\_name

$ curl -X GET http://localhost/usermgmt/api/search.php --data '{"first\_name":"Grace"}'

{"id":1,"first\_name":"Grace","last\_name":"Hopper","username":"grace\_hopper","mode":0}

1. Toggle Drakmode

$ curl http://localhost/usermgmt/api/toggle.php --data '{"id":5}'

{"message":"User darkmode toggled"}

{"id":5,"first\_name":"Jeremy","last\_name":"Keith","username":"Jeremy\_Keith**","mode":1**}

$ curl http://localhost/usermgmt/api/toggle.php --data '{"id":5}'

{"message":"User darkmode toggled"}

{"id":5,"first\_name":"Jeremy","last\_name":"Keith","username":"Jeremy\_Keith**","mode":0**}

Note:

Indication on the time taken to finish this task: 2days (average 3-4 hrs)

Resources used for this task completion: Internet, GitHub, YouTube.