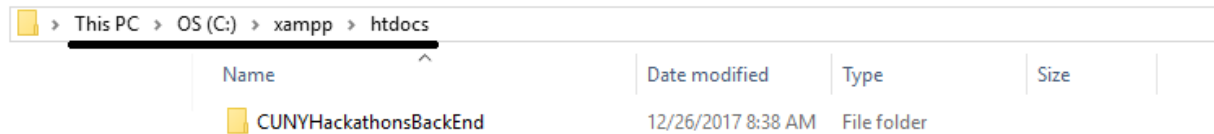


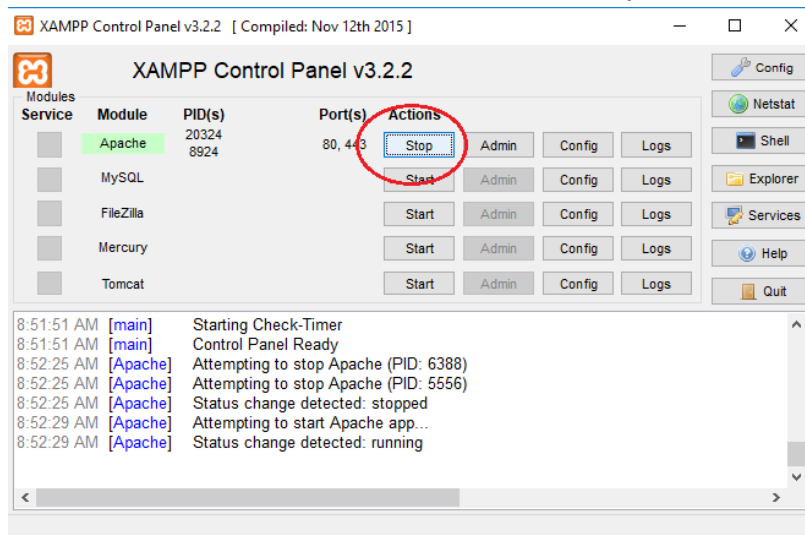
These are the Back-End changes made by Anvar Ashurov

We are now running in localhost.

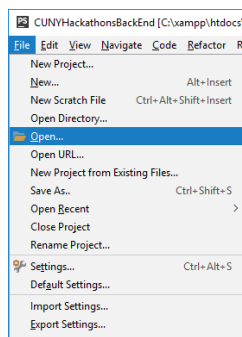
- The folder: “CUNYHackathonsBackEnd” must reside in following directory:



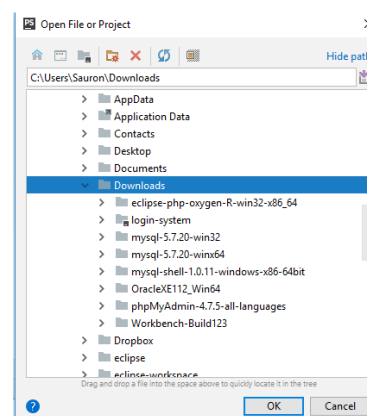
- Go to XAMPP Control Panel and Start Apache server:



- Start PHP Storm and open the project:



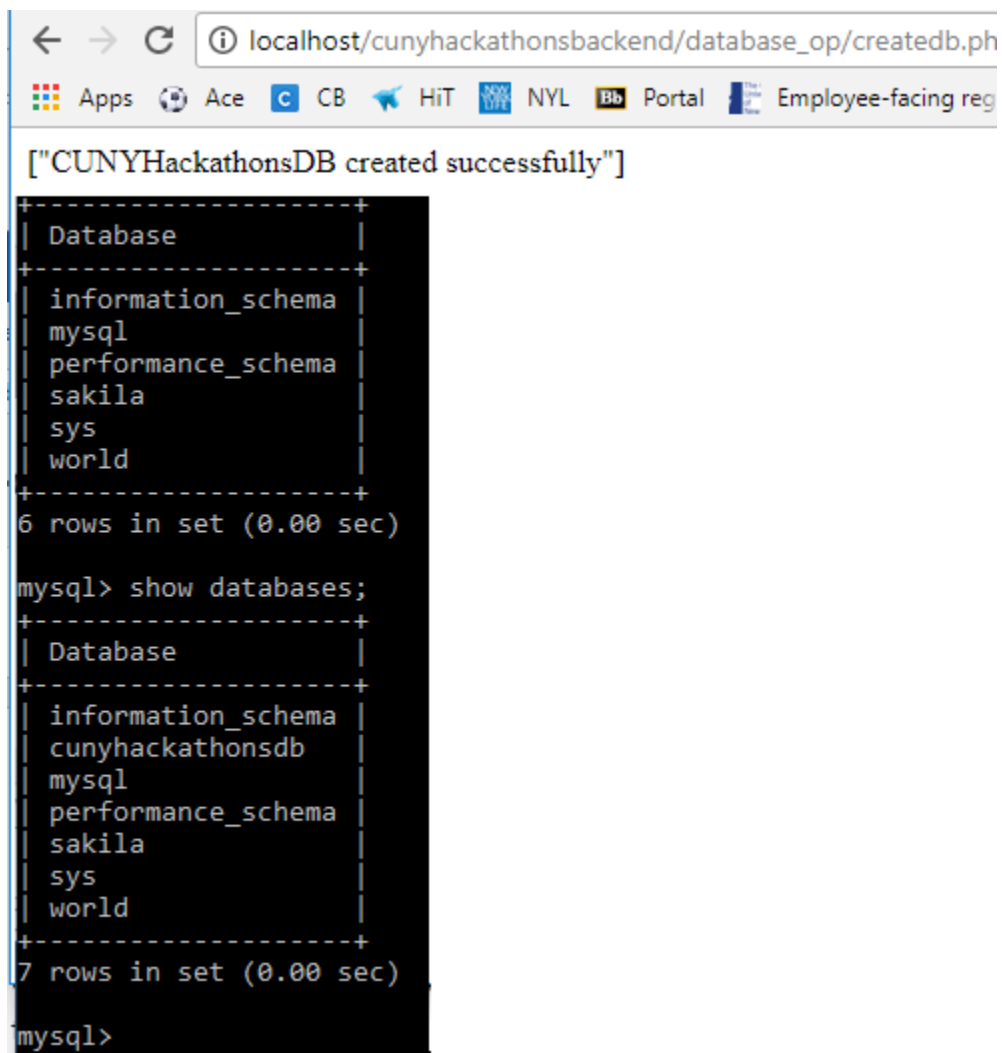
Let's assume
the folder
is in the
Downloads.
Find the
"CUNYHackathonsDB" and
click OK.



- Start by creating Database. You may make changes that are commented to change DB name, username, password, and name of the tables. All are in directory database_op>credentials.php

LINK:

http://localhost/cunyhackathonsbackend/database_op/createdb.php



The screenshot shows a web browser window with the address bar displaying `localhost/cunyhackathonsbackend/database_op/createdb.php`. Below the address bar, there is a message: `["CUNYHackathonsDB created successfully"]`. Below the message, there is a terminal window showing the output of the `show databases;` command in MySQL. The terminal output shows a list of databases: `information_schema`, `mysql`, `performance_schema`, `sakila`, `sys`, and `world`. The output is formatted as a table with a header row and a body row. The header row is `Database` and the body row contains the database names. The output is followed by `6 rows in set (0.00 sec)`. Below the terminal output, the command `mysql> show databases;` is entered. The terminal output shows a list of databases: `information_schema`, `cunyhackathonsdb`, `mysql`, `performance_schema`, `sakila`, `sys`, and `world`. The output is formatted as a table with a header row and a body row. The header row is `Database` and the body row contains the database names. The output is followed by `7 rows in set (0.00 sec)`. Below the terminal output, the prompt `mysql>` is shown.

```
localhost/cunyhackathonsbackend/database_op/createdb.php
Apps Ace C CB HiT NYL Bb Portal Employee-facing reg
["CUNYHackathonsDB created successfully"]
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sakila |
| sys |
| world |
+-----+
6 rows in set (0.00 sec)

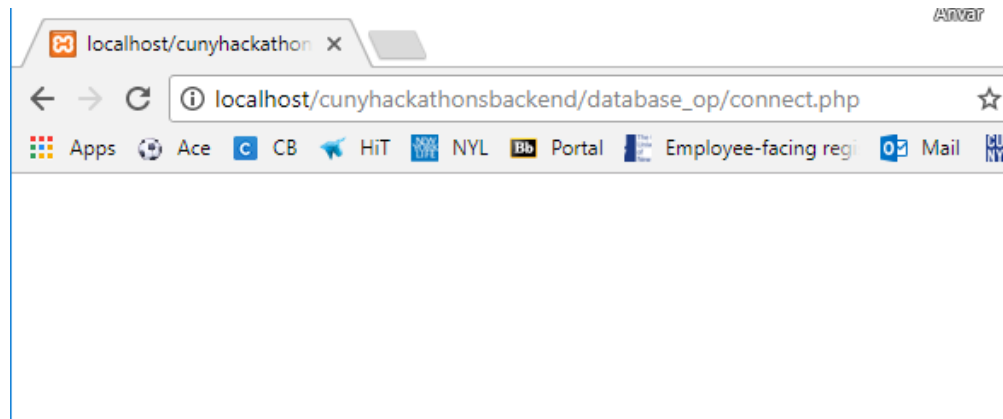
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| cunyhackathonsdb |
| mysql |
| performance_schema |
| sakila |
| sys |
| world |
+-----+
7 rows in set (0.00 sec)

mysql>
```

- Connect to the Database that you created:
No output if connected successfully. Error is produced otherwise.

LINK:

http://localhost/cunyhackathonsbackend/database_op/connect.php



- Create necessary tables:

USER TABLE:

http://localhost/cunyhackathonsbackend/user_op/user_table/user_table.php

HACKATHON TABLE:

http://localhost/cunyhackathonsbackend/hackathon_op/hackathon_table/hackathon_table.php

Group table:

http://localhost/cunyhackathonsbackend/group_op/group_table/group_table.php

Group member table:

http://localhost/cunyhackathonsbackend/group_op/group_table/group_member_table.php

Member Wanted table:

http://localhost/cunyhackathonsbackend/group_op/group_table/member_wanted.php

Chat Table:

http://localhost/cunyhackathonsbackend/chat_op/chat_table/chat_table.php

Result in MySQL:

```
mysql> use cunyhackathonsdb;
Database changed
mysql> show tables;
+-----+
| Tables_in_cunyhackathonsdb |
+-----+
| chat_table_tus              |
| group_member_tus            |
| group_tus                    |
| hackathon_tus                |
| member_wanted                |
| users_tus                    |
+-----+
6 rows in set (0.00 sec)

mysql>
```

Please note: Admin is already inserted:

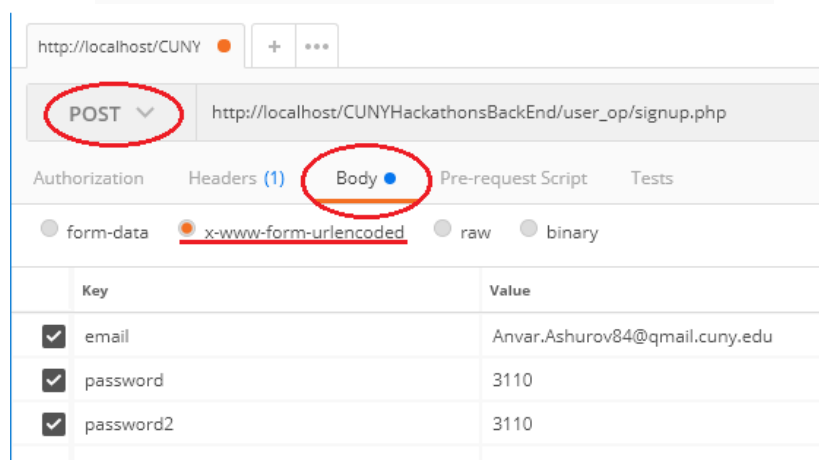
```
mysql> select * from users_tus;
+----+-----+-----+-----+-----+-----+
| id | email          | password          | hash          | verified | active |
+----+-----+-----+-----+-----+-----+
| 1  | admin@qc.cuny.edu | 4a7d1ed414474e4033ac29ccb8653d9b | $2y$10$S0c5EoqNUk2XvMnRc2gXIuFRrOLzxdzuK4JIBIEacdyej0CFIyeV6 | NULL    | NULL   |
+----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> _
```

➤ Signup

You may use POSTMAN services to test the application. It can be downloaded from: https://www.getpostman.com/docs/postman/launching_postman/installation_and_updates

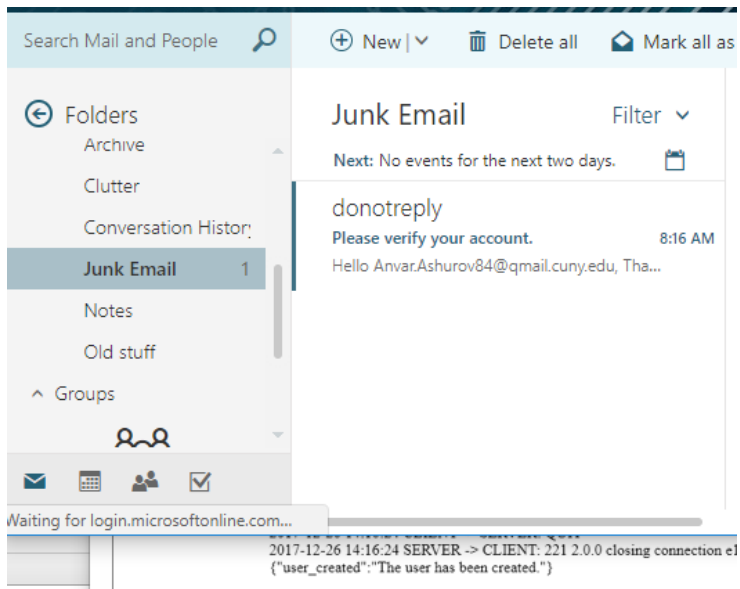
Link: http://localhost/CUNYHackathonsBackEnd/user_op/register.php



```

2017-12-26 14:16:23 CLIENT -> SERVER:
2017-12-26 14:16:23 CLIENT -> SERVER: Hello Anvar.Ashurov84@gmail.cuny.edu,
2017-12-26 14:16:23 CLIENT -> SERVER: Thank you for signing up!
2017-12-26 14:16:23 CLIENT -> SERVER: Please click this link to activate your account:
2017-12-26 14:16:23 CLIENT -> SERVER: http://localhost/CUNYHackathonsBackEnd/user_op/verify.php?
email=Anvar.Ashurov84@gmail.cuny.edu&hash=343f4
2017-12-26 14:16:23 CLIENT -> SERVER:
2017-12-26 14:16:23 CLIENT -> SERVER: .
2017-12-26 14:16:24 SERVER -> CLIENT: 250 2.0.0 OK 1514297785 e16sm19843440qtk.64 - gsmtpt
2017-12-26 14:16:24 CLIENT -> SERVER: QUIT
2017-12-26 14:16:24 SERVER -> CLIENT: 221 2.0.0 closing connection e16sm19843440qtk.64 - gsmtpt
{"user_created":"The user has been created."}

```



Account is not verified yet.

```

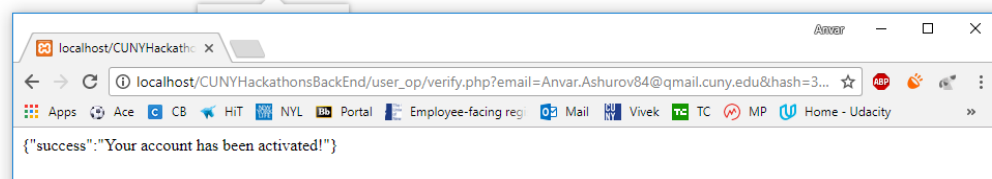
mysql> select * from users_tus;
+----+-----+-----+-----+-----+-----+
| id | email | password | hash | verified | active |
+----+-----+-----+-----+-----+-----+
| 1 | admin@gc.cuny.edu | 4a7d1ed414474e4033ac29ccb8653d9b | $2y$10$50c5EoqNUk2XvMnRc2gXIuFRrOLzxdzuK4JIBIEacdyej0CFIyeV6 | NULL | NULL |
| 2 | Anvar.Ashurov84@gmail.cuny.edu | e9fb2eda3d9c55a0d89c98d6c54b5b3e | 343f4 | 0 | 0 |
+----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>

```

Copy and Paste the link from your Email:

Hello Anvar.Ashurov84@gmail.cuny.edu, Thank you for signing up! Please click this link to activate your account: http://localhost/CUNYHackathonsBackEnd/user_op/verify.php?email=Anvar.Ashurov84@gmail.cuny.edu&hash=343f4



Result:

```

mysql> select * from users_tus;
+----+-----+-----+-----+-----+-----+
| id | email | password | hash | verified | active |
+----+-----+-----+-----+-----+-----+
| 1 | admin@gc.cuny.edu | 4a7d1ed414474e4033ac29ccb8653d9b | $2y$10$50c5EoqNUk2XvMnRc2gXIuFRrOLzxdzuK4JIBIEacdyej0CFIyeV6 | NULL | NULL |
| 2 | Anvar.Ashurov84@gmail.cuny.edu | e9fb2eda3d9c55a0d89c98d6c54b5b3e | 343f4 | 1 | 1 |
+----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>

```

Log out:

http://localhost/CUNYHackathonsBackEnd/user_op/logout.php

POST

http://localhost/CUNYHackathonsBackEnd/user_op/logout.php

Authorization

Headers (1)

Body

Pre-request Script

Tests

☐ form-data

☒ x-www-form-urlencoded

☐ raw

☐ binary

Key	Value
<input checked="" type="checkbox"/> email	Anvar.Ashurov84@gmail.cuny.edu
New key	Value

Body

Cookies

Headers (7)

Test Results

Pretty

Raw

Preview

```
{"user": "Logged out."}
```

```
mysql> select * from users_tus;
```

id	email	password	hash	verified	active
1	admin@qc.cuny.edu	4a7d1ed414474e4033ac29ccb8653d9b	\$2y\$10\$S0c5EoqNUk2XvMnRc2gXIuFRr0LzxdzuK4JI8IEacdyej0CFIyeV6	NULL	NULL
2	Anvar.Ashurov84@gmail.cuny.edu	e9fb2eda3d9c55a0d89c98d6c54b5b3e	343f4	1	0

```
2 rows in set (0.00 sec)
```

```
mysql>
```

Sign back in:

http://localhost/CUNYHackathonsBackEnd/user_op/signin.php

POST

http://localhost/CUNYHackathonsBackEnd/user_op/signin.php

Authorization

Headers (1)

Body

Pre-request Script

Tests

☐ form-data

☒ x-www-form-urlencoded

☐ raw

☐ binary

Key	Value
<input checked="" type="checkbox"/> email	Anvar.Ashurov84@gmail.cuny.edu
<input checked="" type="checkbox"/> password	3110
New key	Value

Body

Cookies

Headers (7)

Test Results

Pretty

Raw

Preview

```
{"user": "Regular user is logged in."}
```

Add Hackathon:

http://localhost/CUNYHackathonsBackEnd/hackathon_op/addhackathon.php

POST

http://localhost/CUNYHackathonsBackEnd/hack...

Params

Send

Save

Authorization

Headers (1)

Body

Pre-request Script

Tests

form-data

x-www-form-urlencoded

raw

binary

	Key	Value	Description	...	Bul
<input checked="" type="checkbox"/>	name	CUNY Hackathon			
<input checked="" type="checkbox"/>	description	This is Hackathon			
<input checked="" type="checkbox"/>	prize	\$1000			
<input checked="" type="checkbox"/>	city	Forest Hills			
<input checked="" type="checkbox"/>	state	NY			
<input checked="" type="checkbox"/>	startDate	2017-12-12			
<input checked="" type="checkbox"/>	endDate	2017-12-12			
<input checked="" type="checkbox"/>	hasTime	09:09:09			
<input checked="" type="checkbox"/>	info	This is Hackathon			
<input checked="" type="checkbox"/>	link	gorrich.tech			
	New key	Value	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 11

Pretty

Raw

Preview

Notice: Undefined index: state in
C:\xampp\htdocs\CUNYHackathonsBackEnd\hackathon_op\addhackathon.php on line 12

Notice: Undefined index: imageLink in
C:\xampp\htdocs\CUNYHackathonsBackEnd\hackathon_op\addhackathon.php on line 18

Notice: Undefined index: hackathonImage in
C:\xampp\htdocs\CUNYHackathonsBackEnd\hackathon_op\addhackathon.php on line 32

Warning: getimagesize(): Filename cannot be empty in
C:\xampp\htdocs\CUNYHackathonsBackEnd\hackathon_op\addhackathon.php on line 32

{"success": "CUNY Hackathon has been added to the Hackathon table."}

Retrieve Hackathon:

http://localhost/CUNYHackathonsBackEnd/hackathon_op/retrievehackathon.php

POST

http://localhost/CUNYHackathonsBackEnd/hack...

Params

Send

Save

Authorization

Headers (1)

Body

Pre-request Script

Tests

form-data

x-www-form-urlencoded

raw

binary

	Key	Value	Description	...	Bulk Edit
	New key	Value	Description		

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 17 ms

Pretty

Raw

Preview

HTML

```
1 [{"name": "CUNY Hackathon", "description": "This is Hackathon", "prize": "$1000", "city": "Forest Hills",
  i  , "state": "", "startDate": "2017-12-12", "endDate": "2017-12-12", "hasTime": "09:09:09", "info": "This
    is Hackathon", "link": "gorrich.tech", "imageLink": "", "hackathonImage": null}]
```

```
mysql> select * from hackathon_tus;
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| hackID | hackName | hackDesc | hackPrize | hackInfo | hackCity | hackState | hackStartDate | hackEndDate | hackTime | hackLink | hackImageURL | hackImageBinary |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | CUNY Hackathon | This is Hackathon | $1000 | This is Hackathon | Forest Hills |  | 2017-12-12 | 2017-12-12 | 09:09:09 | gorrich.tech |  | NULL |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

Delete Hackathon:

http://localhost/CUNYHackathonsBackEnd/hackathon_op/deletehackathon.php

```
mysql> select * from hackathon_tus;
```

hackID	hackName	hackDesc	hackPrize	hackInfo	hackCity	hackState	hackStartDate	hackEndDate	hackTime	hackLink	hackImageURL	hackImageBinary
1	CUNY Hackathon	This is Hackathon	\$1000	This is Hackathon	Forest Hills		2017-12-12	2017-12-12	09:09:09	gorrich.tech		NULL
2	CUNYYYY Hackathon	This is Hackathon	\$1000	This is Hackathon	Forest Hills	NY	2017-12-12	2017-12-12	09:09:09	gorrich.tech	gorrich.tech/image	NULL

```
2 rows in set (0.00 sec)
```

```
mysql> select * from hackathon_tus;
```

hackID	hackName	hackDesc	hackPrize	hackInfo	hackCity	hackState	hackStartDate	hackEndDate	hackTime	hackLink	hackImageURL	hackImageBinary
1	CUNY Hackathon	This is Hackathon	\$1000	This is Hackathon	Forest Hills		2017-12-12	2017-12-12	09:09:09	gorrich.tech		NULL

```
1 row in set (0.00 sec)
```


POST ▼ http://localhost/CUNYHackathonsBackEnd/grou... Params

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value	Default
<input checked="" type="checkbox"/> groupName	The Usual Suspect(s)	
<input checked="" type="checkbox"/> hackathonName	CUNY Hackathon	
<input checked="" type="checkbox"/> missingMemberList	We want front-end person!	
New key	Value	Default

Body Cookies Headers (7) Test Results

Pretty Raw Preview

```
{"success": "Both group and chat are set up!"}
```

RESULT:

```
mysql> show tables;
+-----+
| Tables_in_cunyhackathonsdb |
+-----+
| chat_table_tus             |
| group_member_tus           |
| group_tus                  |
| hackathon_tus              |
| member_wanted               |
| users_tus                  |
+-----+
6 rows in set (0.00 sec)

mysql> select * from group_tus;
+-----+-----+-----+
| groupID | groupName          | hackName          |
+-----+-----+-----+
| 1       | The Usual Suspects | CUNY Hackathon    |
| 2       | The Usual Suspect(s) | CUNY Hackathon    |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from member_wanted;
+-----+-----+-----+
| mwID | memberDesc          | groupID |
+-----+-----+-----+
| 1     |                      | 1       |
| 2     | We want front-end person! | 2       |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from chat_table_tus;
+-----+-----+-----+
| chatID | chatPath                                     | groupID |
+-----+-----+-----+
| 1       | messages/2ba625f10055fd187107ab2fd01711d4.txt | 1       |
| 2       | messages/95aa58e0ade3913f1bc23592ec8b4aef.txt | 2       |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

Display teams that are in CUNY Hackathon

http://localhost/CUNYHackathonsBackEnd/group_op/displaygroup.php

POST

http://localhost/CUNYHackathonsBackEnd/grou...

Params

Send

Authorization

Headers

Body

Pre-request Script

Tests

☒ form-data

☐ x-www-form-urlencoded

☐ raw

☐ binary

	Key	Value	Description
<input checked="" type="checkbox"/>	hackName	CUNY Hackathon	
	New key	Value	Description

Body

Cookies

Headers (7)

Test Results

Status: 200

Pretty

Raw

Preview

HTML

i 1

[{"groupName": "The Usual Suspects"}, {"groupName": "The Usual Suspect(s)"}]

Remove group

Post Message:

http://localhost/CUNYHackathonsBackEnd/chat_op/insertchat.php

POST

http://localhost/CUNYHackathonsBackEnd/chat_...

Params

Send

Authorization

Headers (1)

Body

Pre-request Script

Tests

☐ form-data

☒ x-www-form-urlencoded

☐ raw

☐ binary

	Key	Value	Description
<input checked="" type="checkbox"/>	groupName	New Group	
<input checked="" type="checkbox"/>	userName	anvarashurov717	
<input checked="" type="checkbox"/>	userMessage	Hi! I am a new member.	
<input checked="" type="checkbox"/>	messageDate	9:38 12/26/2017	
	New key	Value	Description

Body

Cookies

Headers (7)

Test Results

Status: 200

Pretty

Raw

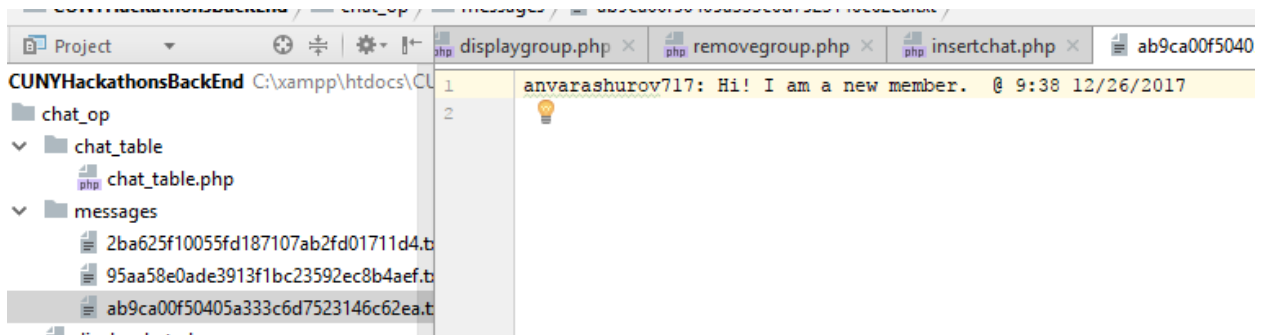
Preview

{

"success": "Message is posted at messages\ab9ca00f50405a333c6d7523146c62ea.txt."

}

File is unique. So is the group Name.



NOTE: Removing the group, displaying the chat has minor bug which I am currently working on.