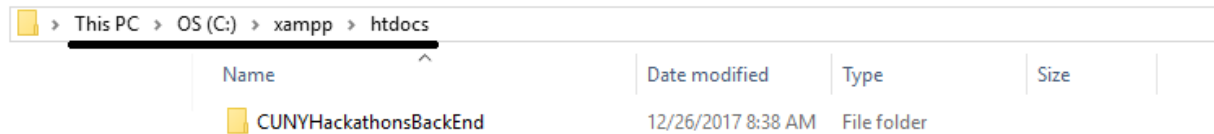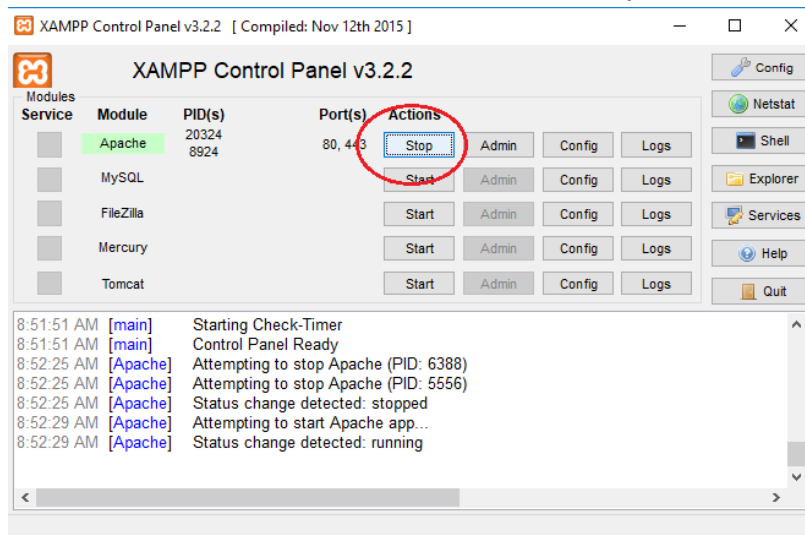These are the Back-End changes made by Anvar Ashurov

We are now running in localhost.
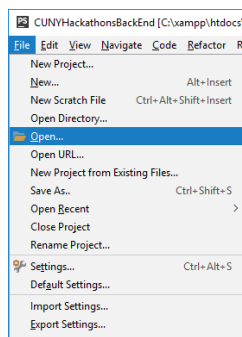
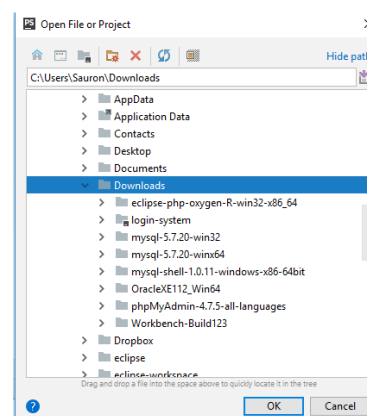➢ The folder: "CUNYHackathonsBackEnd" must reside in following directory:

➢ Go to XAMP Control Panel and Start Apache server:
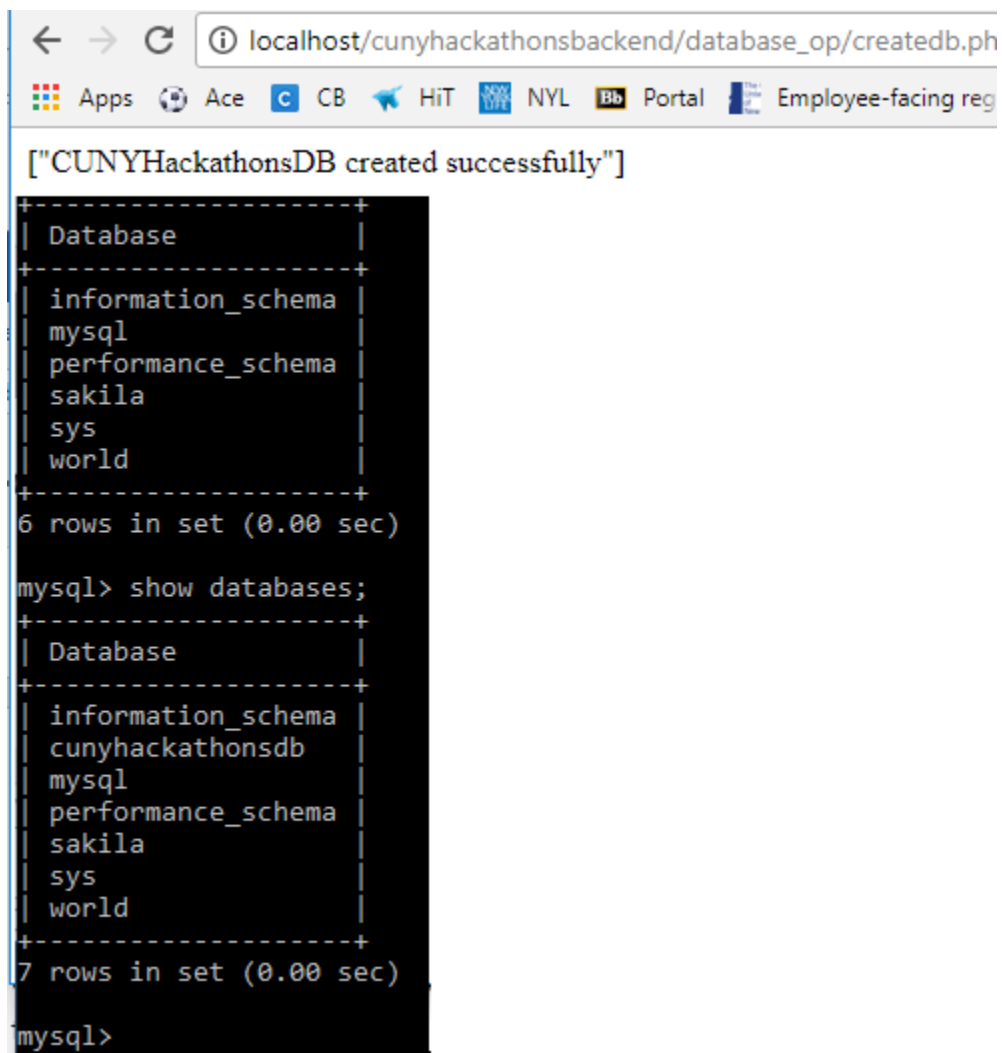

➢ Start PHP Storm and open the project:

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

➢ Connect to the Database that you created:

No output if connected successfully. Error is produced otherwise.

LINK:

http://localhost/cunyhackathonsbackend/database_op/connect.php
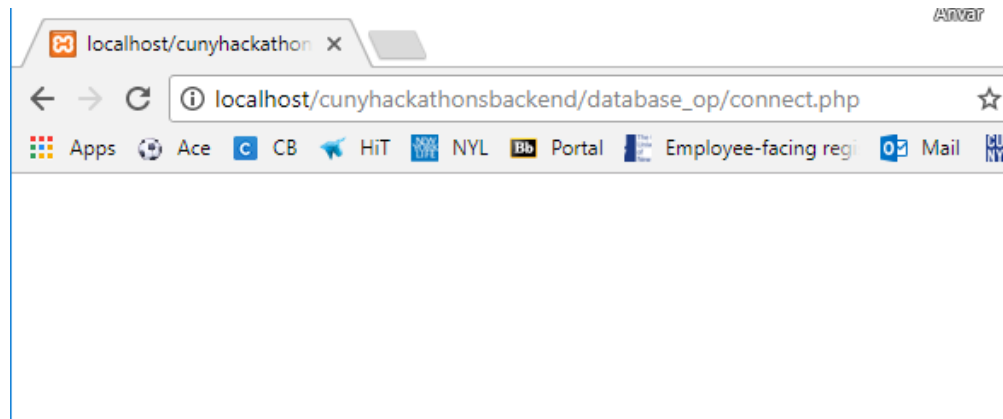
➢ Create necessary tables:

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
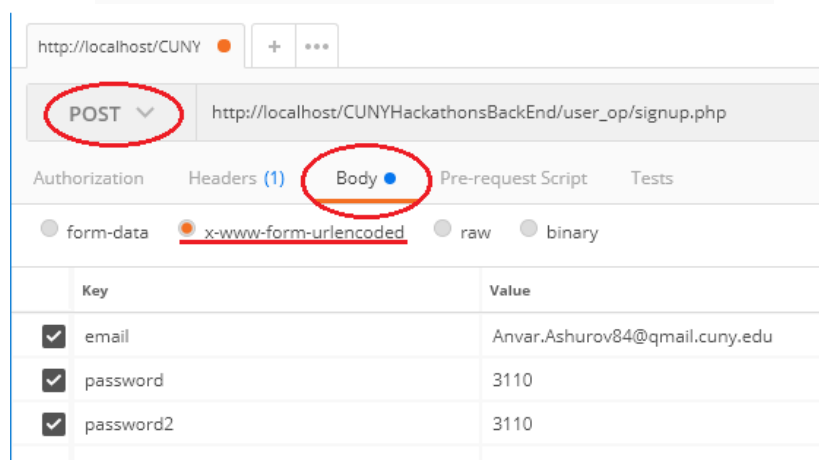
2017-12-26 14:16:23 CLIENT -> SERVER: Hello Anvar.Ashurov84@qmail.cuny.edu,
2017-12-26 14:16:23 CLIENT -> SERVER: Thank you for signing up!
2017-12-26 14:16:23 CLIENT -> SERVER: Please click this link to activate your account:
2017-12-26 14:16:23 CLIENT -> SERVER: http://localhost/CUNYHackathonsBackEnd/user_op/verify.php?
email=Anvar.Ashurov84@qmail.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 - gsmtp
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 - gsmtp
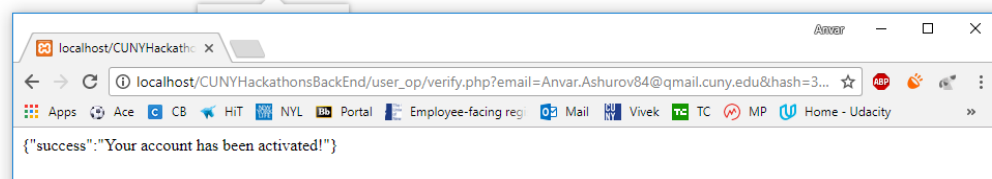{"user_created":"The user has been created."}
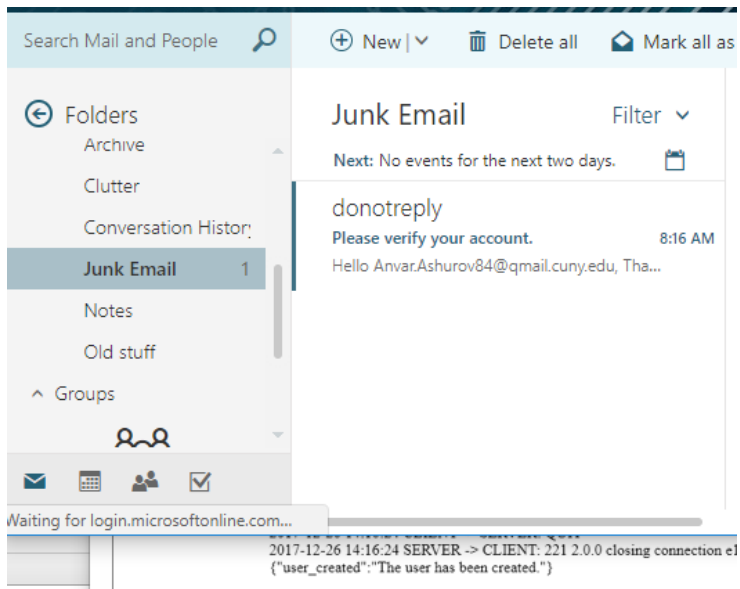
Account is not verified yet.

Copy and Paste the link from your Email:

Result:

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
☑	email	Anvar.Ashurov84@qmail.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$10$S0c5EoqNUk2XvMnRc2gXIuFRrOLzxdzuK4JIBIEacdyej0CFIyeV6    | NULL     | NULL   |
|  2 | Anvar.Ashurov84@qmail.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
☑	email	Anvar.Ashurov84@qmail.cuny.edu
☑	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

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


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

Delete Hackathon:

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

{"success":"Hackathon has been deleted."}

POST ⌄   http://localhost/CUNYHackathonsBackEnd/grou...   **Params**

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

○ form-data   ● x-www-form-urlencoded   ○ raw   ○ binary

	Key	Value	De:
☑	groupName	The Usual Suspect(s)	
☑	hackathonName	CUNY Hackathon	
☑	missingMemberList	We want front-end person!	
	New key	Value	De

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
☑	hackName	CUNY Hackathon	
	New key	Value	Description

Body   Cookies   Headers (7)   Test Results   Status: 20

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
☑	groupName	New Group	
☑	userName	anvarashurov717	
☑	userMessage	Hi! I am a new member.	
☑	messageDate	9:38 12/26/2017	
	New key	Value	Description

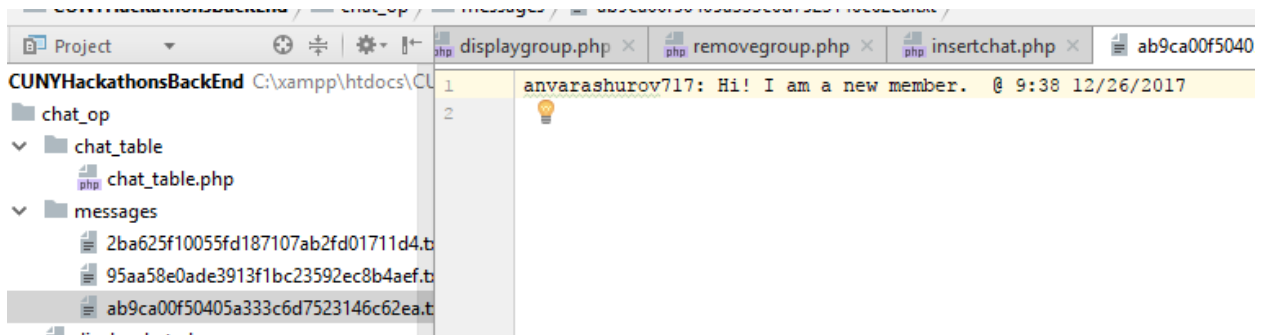Body   Cookies   Headers (7)   Test Results   Status: 200 (

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.