Back-End

For the back-end, we are using BLUEHOST.COM's services. The necessary files are uploaded in designated directories. Phil has set up account on Bluehost and assigned roles to each member.

Requirements:

For the backend of our project; the following components and versions are being used in the implementation of our solution:

- ➢ Database - MySQL ver. 5.6
- ➢ Scripting Language - PHP ver. 7.0

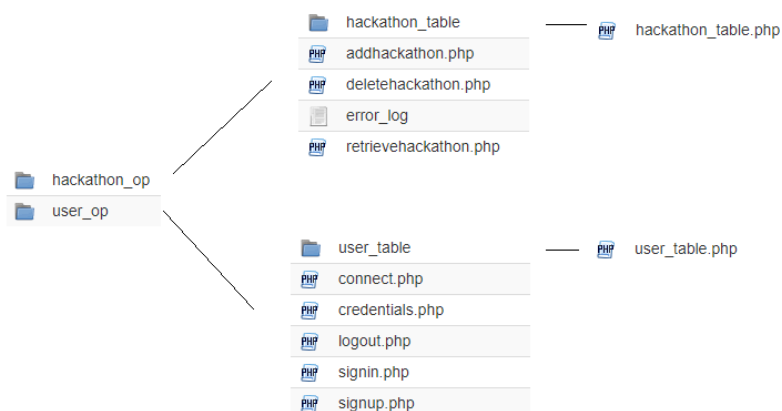Note: Tester does not need to have any of these specified above since BLUEHOST hosts such services.

Specification:

There are **two** necessary tables that need to be created to store all necessary information at this state of app's development.

Required MySQL Tables

- ➢ users_tus
- ➢ hackathon_tus

The PHP Files

- **hackathon_table.php:** Creates MySQL table necessary to store Hackathon data.

- **addhackathon.php:** It can check if Picture was chosen to be uploaded or no, makes decision to store necessary data (in example, if picture was not chosen, it does not store anything in designated column and does not produce any errors)

- **deletehackathon.php:** Finds Hackathon based on hackathon name and link combination and removes it from the database.

- **retrievehackathon.php:** Shows all Hackathons available in the database.

- **user_table.php:** Creates MySQL table necessary to store User data.

- **connect.php:** Connects to the database.

- **credentials.php:** Stores credentials. Names such as Hackathon table, user table, admin email can be modified from here without altering any other files.
- **logout.php**: It can log the user out and set user as Inactive.

- **signin.php:** Signs in if user with email exists and password match. Sets user as Active. Checks if user is admin or regular user.

- **signup.php:** If user does not exist, then checks if passwords match and checks if email matches 'CUNY.EDU' domain pattern.