System Vision Document

This project has a few things you will need to install before you can get started. Also, if you just want to play the game and do not want to worry about setting up the database to track wins, then you can skip the MySQL and PHP sections. Again, the PHP and SQL code are not needed to run the python game server or client. Once you have read the readme for the project and have everything in place, you can start setting up your account on the website hosted on XAMPP.

First, make an account on the website under the accounts page. You will know if you have successfully made an account when you get the message “account created successfully”. You can also check the leaderboard page and you should see your name. Once you have read the readme and installed the correct modules in your Script folder, you should go into your python IDE and set the IP address to your address that the server host is running it on.

There are two places you need to change the IP address if you are the host: both the server file and the network file. If you are not running the server, you only change the network file. Once this is done, you can run the server and both users can run their client and play against each other. You will know the server is running correctly if you get the message “waiting for a connection, server started” in your output. The game should start, and you should be a blue bubble aiming to shoot at the red bubble. If you land two hits, you win the game. Once the game is over, if you have successfully installed MySQL and XAMPP, and set them up correctly, and run the database script onto your localhost database, your database will be queried at the end of the game and give a win to the ID of your account you created. From there, you should be able to go back to the website and view your wins in relation to other players. If everything has been installed correctly, you should be able to make an account, run the server and clients, and check the outcome of the game on the website leaderboards page.