

DOCUMENTATION

This brief documentation is for the project Get Focused developed by UCL CS App Project Team 14 for Brain Focus Limited from February 8th to April 27th 2016. Developers are Ti Ern Ryan Tan, Georgiana Birjovanu and Alexander Chiriac.

SETUP

The file labelled website should be put into the server file manager. Files in SQL data represent MySQL tables that should be loaded into the SQL Database.

MySQL Connections:

1. Enter file website -> php -> sess_addData.php
2. Alter database host, user, pass (password) and name to desired database destination details.

Admin Panel

The admin panel can be accessed through the server's myAdminphp page. This will be located in the server's admin panel. Files can be export through the Export tab as csv, excel and other data formats.

Data

There are 2 tables stored on the SQL Database – user_info and data. user_info stores user demographics - id, datetime, gender, date of birth (dob), musicality. Gender and Musicality are stored as integers where:

- for gender, 1 – Male 2 – Female,
- for musicality, range from 1-10

On the data table, there are 3 columns – id, song, json_data. Song is an integer that records which song was chosen.

json_data holds an array of objects in JSON form. Each object has 3 attributes – x, y, t.

These attributes have been converted into **relative values instead of absolute value**. This is so that the graph can be regenerated with the same ratio on any screen. Regenerative formula in the description below.

- x – x deviation from the middle point of the screen. Ranges from negative (values recorded left of the middle point) and positive (values recorded left of the middle point).

$$X \text{ Deviation Graph} = \text{absolute}(x) * \text{height of screen}$$

(Graphs a vertical graph with vertical origin 0)

- y – y values from 0. All values are positive

$$Y \text{ Graph} = y * \text{height of screen}$$

- t – Time at which the value was recorded from the start of data recording.
Time should be used as the horizontal axis in both graphs.
Horizontal axis = $t * \text{width of screen}$

Editing files

This section would be best done by someone who has had programmed before.

Each song has its own file. To add a song, recreate a song file. Add in the necessary files (soundpitch.png, cover) and change the file names appropriately. Add an extra button with the correct href location in PlayPage.html. ButtonGame, CountdownGame and SongPage in both Game and Training Folders need location redirection.