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Developer’s Guide for Scrabble

**Work Flow and Description**

To start:

<http://caffeine.ucsd.edu/scrabble/>

This will load /var/www/scrabble/index.php

* index.php has a 1 line code indicating to immediately load qualtrics URL. This is why when you goto the scrabble site, it seems like the page is loading, then it redirects. You can skip qualtricks by replacing the URL with another page. Let’s say that you want to start the practice right away when users enter the site (no qualtrics) change :

window.top.location.href="https://ucsdsocialsciences.qualtrics.com/SE/?SID=SV\_9taln45jJ4reWsB";

to

window.top.location.href="http://caffeine.ucsd.edu/scrabble/practice\_a.php";

2)

Qualtrics page has a listener on the “Next” button. When the user information is filled out and the button is pressed, the page does 2 things:

First, <http://caffeine.ucsd.edu/scrabble/qualtrics.php> is loaded. This page actually doesn’t have any visual or display content so the user will not see anything. However, what ‘script’ does is to get all the demographic information off the page, and save it into the database called ‘scrabble’ . Once this is done, it calls a javascript function to redirect to <http://caffeine.ucsd.edu/scrabble/practice_a.php>

* You can change the database for different projects by changing:

$mysqli = new mysqli("localhost","root", "paintFRAME!", "scrabble");

To (fill in new project name in quotes where “<new project>” is located i.e “crossword”):

$mysqli = new mysqli("localhost","root", "paintFRAME!", "<new project>");

* You can also change the next page that is loaded at the last line of code in the <script> tags

Next, a series of practice pages are loaded:

<http://caffeine.ucsd.edu/scrabble/practice_a.php>

<http://caffeine.ucsd.edu/scrabble/practice_b.php>

<http://caffeine.ucsd.edu/scrabble/practice_c.php>

\*\*The practice pages and corresponding. Experiment pages are similar. They will be the hardest to design for new projects (practice\_a.php is similar to a.php). The algorithms in the pages will be the same, but they will have different constraints such as execution time, next page, storing data if applicable, etc

These pages will significantly differ by project. Comments have been left in scrabble’s code if you need to use it as a reference.

3)

After practice\_c.php, a controller is loaded: <http://caffeine.ucsd.edu/scrabble/experiment.php>

This can be left alone if you wish to create a new project with a similar format to scrabble (load 6 tests from three options, and each test is given twice per user with a break half way in between).

However, the items that have to be changed on the pages are:

Database queries:

$mysqli = new mysqli("localhost","root", "paintFRAME!", "scrabble");

$delete\_q = "DELETE FROM `demographics\_test` WHERE

and more.

* All database queries must have the parameters changed to have the new project’s database name and the correct table name from the new database.
* It is possible that the new projects has all the same tables as scrabble, but in a different database. This can reduce the amount of development, but will limit the data collected to what scrabble has set up already.

4)

Half way in between the test, <http://caffeine.ucsd.edu/scrabble/break.php> is called. You can change this page completely without affecting the rest of the experiment as this is an independent item from the actual experiment.

* If you simply wish to change the video that is played, change:

<source src="sp.mp4" type="video/mp4" autoplay>

The source srce=”xxx” refers to any video file saved into the project directory. For scrabble, the directory will be :

var/www/scrabble/sp.mp4

5)

The experiment resumes, and when done, it loads <http://caffeine.ucsd.edu/scrabble/done.php>

This page simply displays a thank you picture, and queries the database for the qualtrics ID, which is displayed to the user. You can change the image here:

<style>

body {

background-attachment: fixed;

background-image: url(''),

url('ty.jpg');

background-position: 50% 50%;

background-size: auto, cover;

font-size: 100%;

}

</style>

\*\*The logic behind the queries that “gets the current user’s information” is bad. Currently, both queries in qualtrics.php and done.php retrieves the last stored user information from the database and assigns it to the current user….what if after user “a” signs in and is half way through the test, usesr “b” signs up as well…then on done.php, user “a” will be given user “b”’s qualtrics ID.\*\*