

Hello CS50 Staff!

The design of my website is based entirely off of pset7. I have an html folder with all of the code that is world executable. Then from that code it requires() a lot of templates, constants, functions, global javascript etc., etc., so that it can display the html that is necessary.

Although there is not a lot of Javascript/JQuery involved, most of what I have is written into the html documents themselves and not in the global js file. Although google analytics' code is in the global js file.

Organizing Information

The difficult part of this project was making separate tables for judges, tournaments and teams. This entire project could've been implemented very quickly with only one table including all of the reports. The problem with this, however, is that it doesn't allow, in the future, statistical analysis. For example – if I want to find out my win percentage with “David Heidt” as the judge, I can't do it easily without having David Heidt's name standardized in a database. So when you enter a report a lot of parsing through the string happens to ensure your judge name is correct and then entered into the database. The same is true for tournament and team.

Aesthetics

Making my website do the stuff that it needs to really isn't that hard. What is difficult, however, is ensuring that the browser will display everything correctly. If you take a look at the CSS file, you will see what.css. This is the css that runs the entire website and I pretty much made the whole thing from scratch. We didn't have a pset on CSS or anything so I'm not sure if I'm following convention or if it looks good. Just looking at the website though, it works.

Quick Tour

I guess the quickest way to do get acquainted with some of this is to just look through the source code. Let's start with html/index.php. Very simple – it renders the report form. So go to templates/report_form.php. Here you will notice the divs that are form_fields etc., those are used in all of the templates for any form that needs to be filled out.

Follow the action of report_form.php to html/report.php. Report first parses all of the fields. You should also probably take a look at the get_judge_names and get_judge_ids functions in includes/functions.php. They're interesting and worth looking at. Then after the judges, report goes ahead and sends all of the emails and texts to the subscribers.

After that you can probably take a look at the html/quick.php and html/search.php along with the templates/show_reports.php files to get a feel of what searching is like. Essentially the quick search is very easy and the full search is very difficult and requires a lot of string manipulation and concatenation. of strings.

The toggle bars, add_teams, add_tournaments, and updates are pretty straight forward. You can quickly glance at those if you so choose. The next thing to look at that's interesting is probably html/download_reports.php. This is the function used for teams to download all or some of their debates so that they can store it and access them even if there's no internet.

There's nothing that revolutionary in any of this code, it's rather similar to pset7, just done on a larger scale with a lot more data in each table. The next step of improving this website will probably be to use more javascript. Originally I did not want any of the functionality of the website to rely upon javascript. This is because a lot of times there's not good wifi at tournaments so some teams will have to enter their reports from their phones. If this is the case – then some phones (older ones) might not like javascript too much or might display things differently. This probably isn't that good of a reason though to not use javascript considering facebook loses most of its functionality without javascript – so that's what I will develop more.

-Willy Xiao