
SPRINT 4 REPORT

TO: Dr. Jeff McGough
TEAM: Team Two Cents
PROJECT: Teen Court Database
SPRINT NUMBER: Sprint 4
DATE OF SPRINT: 1/16/2013 – 2/6/2013

Most of sprint 4 was spent on the user access portion of the project. This included the database interaction for looking up users, granting access, and session information. The hashing process for the user password was completed. This uses a 128 character string that stores a salted hash for their email address and password. This is regenerated every time a user logs in. Session security and auto-logout times were completed. One last part of user access that needs to be implemented is limiting the number of failed login attempts.

We decided to add time zone information for users and programs. Users will have their time zone set to the default one the program uses, but will be able to change it within their control panel. This time zone gets set when the user logs in and will display any database times and dates consistent with the user's local time zone. Modifications to the database included adding fields to the program and user tables and a new table for available time zones. These time zones are in PHP format and all six major time in the United States are listed – with a special zone for non-DST in Arizona. The following is an example of the display name and PHP value:

timezoneID	Display	timezone
1	Eastern Standard Time (EST)	America/New_York
2	Central Standard Time (CST)	America/Chicago

The next portion that was worked on was the registration page and admin section for managing programs and users. The PHP/HTML pages were completed and work was started on the data listing class. This class will be used to generate JSON formatted database information that will be used to list users, programs, courts, etc. The registration page is mostly complete and just needs the add user functionality in the user class. These areas should be completed by the start of the next sprint (Tuesday, February 12th at the latest).

Lastly, form validation was implemented via a JQuery plugin. This plugin allows interaction with forms to validate data entry. For example, on the registration page, the email is checked asynchronously to verify it is not already in use, passwords match, and required fields are checked.

BACKLOG ITEMS RETAINED

We selected more backlog items than we could have accomplished this sprint. We wanted to get the entire administrator areas for programs and users completed, but fell short. The remaining backlog items include the user and program implementation for administrators, the program class code and individual user control panel. We should have a good start on the data listing class and the entire user access and registration should be done by Tuesday, February 12th.

SPRINT 5 EXPECTATION

During sprint 5, we expect to have the administration sections completed and start on the defendant management. This is the major part of the site and will require a significant amount of work. Some of it may need to be spread out over the final sprint.

MEETING NOTES

Meeting: 1/10/13: Discuss current state of prototype. Andy covered IE fixes and brought up the idea to change to RECAPTCHA, a free captcha service.

Meeting: 1/15/13: IE Fixes done and captcha changed. Discuss work for court program/user admin areas. Robert was assigned the layout for the HTML portion of these pages while Andy will work on the user login and password encryption.

Meeting: 1/22/13: We discussed User Access and Registration functionality. Also, decided to add Time zone information for users so anything with timestamps in the database stay local.

Meeting 1/29/13: Bobby was assigned the data class. Discussed how it should function (PHP class -> MYSQL interaction -> JSON encoding). Also, continuing work on User Registration / Admin areas... admin gets separate menu, etc.

Meeting 2/7/13: We talked about why the data class is behind schedule. Bobby is still learning the interaction between PHP Classes and MYSQL. Assigned a due date for Tuesday, February 12th.