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## SPRINT 1 REPORT

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**TO:** JEFF MCGOUGH  
**TEAM:** TWOCENTS SOFTWARE  
**PROJECT:** TEEN COURT DATABASE  
**SPRINT NUMBER:** SPRINT 1  
**DATE OF SPRINT:** 9/19/2012 – 10/3/2012

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This report is to inform you of the completion of Sprint 1 and will list the team members, give a brief overview of the project and list any deliverables submitted to the GitHub repository. The team members for this senior design project are Andrew Thompson and Robert Reilly.

**The Problem:** Teen, or youth court, programs provide an alternative solution for first-time offenders by offering a peer-driven sentencing program instead of regular court prosecutions. These types of programs results in reduced costs per case versus traditional justice system and lower recidivism rates. The problem comes with the ability to track defendants and gather statistics to reinforce the benefits of youth court programs. With a better solution to track and generate statistics, additional funding or budget increases could be an option for these programs.

**The Sponsor:** The Teen Court Database project is sponsored by Marlene Todd, Program Director for Lawrence County Teen Court. Working with the National Association of Youth Courts, this application could be marketed to any of the 1050+ youth courts across the nation. The statistics gathered could be used by local and state judicial systems.

**The Solution:** Marlene would like an application developed that would offer similar data tracking of their current Access Database. Other youth courts could be setup and allowed access to the application to track their own data. This information would be only accessible by the individual courts. The application administrators will be able to generate some statistics from data in the entire system. This would give real-time statistics for youth court programs on a national level.

**The Project:** This application will be developed on a server running Linux operating system and Apache HTTP web server. The language used to develop the application will be PHP. PHP Data Object will be used as a data access layer between the application and the database server. MySQL will be used as the Relational Database Management System. The only cost associated with this project will be a hosting fee from eCoastDesign and the registration of a domain name. Both of these fees will be paid by the product owner. The name of this project is still yet to be determined and Marlene was doing research on it. Possible names may be something neutral – like *youthcourtdb.com*.

**The Sprint:** During sprint 1, we worked on the initial documentation for the project requirements and design. We met with Marlene Todd on September 18<sup>th</sup> and discussed her vision of the project and what sort of problems they are having now. We also obtained a copy of the documentation for the Access Database application they are currently using. From this we were able to make a list of requirements needed for the project. Robert Reilly worked on the Software Requirements Document and Andrew worked on the Software Design Document.

Andrew also was in contact with Michael Roth from eCoastStudios to discuss hosting options and server environments. This is the web design and hosting company that the National Association of Youth Courts uses. Marlene and Michael are currently working on the details for web hosting and domain registration.

**Deliverables:** Uploaded to the GitHub repository are:

- Mission Statement
- Initial Software Requirements Document (SRD)
- Initial Software Design Document (SDD)
- Approved Software Agreement – will be signed at client presentation on October 11<sup>th</sup>.

**Next Sprint Backlog:** The next sprint is scheduled to start on October 10<sup>th</sup> and will be the design phase. Some of the items coming up in this sprint are:

- Design the database schema
- Develop class data and methods
- Initial design of the user interface
- Start prototype

**Backlog Items Retained:** Items from last sprint not completed due to client action needed:

- Determine Domain Name
- Obtain Web Space