**FanSports Scope Statement**

**Project Title:** Open Source Fantasy Sports Web Application

**Project Application Description:** The proposed web based application will allow a group of users commonly referred to as owners to form competitive fantasy leagues and events. Each owner will choose a roster based on a weekly salary amount for each player and a cap that they must adhere to. The performance of a team will be based on the actual statistical performance of each player on the team from week-to-week. The statistical information used to score each players production in the league will be readily accessible to the owners in order to track progress and make inform management decisions. Additionally, any and all friendly wagers between users or groups of users are tracked by the application but are not dispersed through the application, unlike similar applications such as DraftKings and Fanduel. The application is intended to provide an "open-source" experience to the current Daily Fantasy phenomenon.

**Project Scope:** The application should function within any modern browser connected to the internet. The statistical data will be fed into the application via a python script into a Postgres database which will then be queried by a PHP back end in order to run queries, manipulate data and provide application updates. The GUI will be built using HTML and CSS while the functionality of the application will be implemented using JavaScript and associated AJAX techniques.

At a minimum the web application should be built to the point where users can sign up and customize their profiles, a single group can be created, a format of play chosen (e.g. Head to Head and 50/50s) and all data populated accurately. Additional features such as multiple groups, formats of play such as Guaranteed Prize Pool or tournament play, user forums etc. will all be considered as time permits but are not considered essential to the goal of the project

**Project Deliverables:**

* Project Plan
* Programmers Manual
* User Documentation
* Final Web Application