

## Camp Blue Skies Overview

Camp blue skies is a non profit organization with offices in multiple states and a presence in Charlotte. They raise money through various channels and rent summer camps during the off season. They then offer a summer camp experience for mentally disabled adults. Usually, they focus on those with relatively severe conditions, such as autism and down syndrome. During this time, they encourage them to socialize with their peers and teach them skills which are essential for independence while providing fun activities.

## How They Raise Funds

Although they raise money through a variety of channels, their primary means of raising money is through the use of a March Madness bracket competition. Each spring in the United States, 64 of the best basketball teams are chosen to play against each other. After each game, the losing team is eliminated from the competition. The last team remaining wins. This means first there are 64 teams, then 32, then 16, 8, and so on. A common practice in the united states is to try to guess which teams will win and which will lose. This is done by drawing a bracket. In the case of Camp Blue Skies, each person playing makes a small donation before playing. Here is an example of a filled out bracket.

<http://espn.go.com/mens-college-basketball/tournament/bracket>

Obviously, it is very very difficult to guess all of the brackets correctly (there are \$100 million dollar lotteries if you can get it right) However, your friends and coworkers are also unlikely to get it correct. This means that you will typically receive a certain amount of points for certain parts of the bracket being correct. The person in your group with the most points when the season is over wins the competition.

## Project Goals

Camp Blue Skies currently handles brackets manually. Unfortunately, this is very time consuming with around 60 companies participating. To get around this problem, they want to automate as much as possible. We want to accomplish this objective. To do this, we will use the services of an existing site known as tourneytopia, customize it with camp blue skies branding, and implement a separate linked webpage which tracks a user's performance in their company or group and in camp blue skies as a whole.

## Job Tasks

### **(2-3 members) Customize Tourneytopia page for Camp Blue Skies:**

The team doing this task will customize the tourneytopia camp blue skies page with as much camp blue skies branding as possible and as little tourneytopia branding as possible. The camp blue skies website is here: <http://www.campblueskies.org/> This person will also communicate with the camp blue skies team to determine what it should look like and make sure they are satisfied with the final appearance. Amy (contact

info in extra credit document) is a good camp blue skies contact.

**(2 members) Setup WePay for Camp Blue Skies Tourneytopia page**

Camp blue skies wants to require participants to make a small donation before making bracket picks. Tourneytopia will allow this through a site known as wepay. The team doing this task must work with a Camp Blue Skies employee to setup a WePay account and customize the tourneytopia page so that the donation is required before bracket picks.

**(2 members) Acquire domain name and setup domain name in tourneytopia**

The person doing this task will locate a suitable domain name for Amy (or another camp blue skies representative) to purchase. They will then walk the employee through the purchasing process as needed and setup tourneytopia to use this domain name.

**(2-3 members) Design a single styled static webpage to show rankings**

The team doing this task will create two styled webpages with camp blue skies branding. The first webpage will contain two sections. The top section will be titled "Rankings in Team" The bottom section will be titled "Rankings in Camp Blue Skies." The top section will contain a stylish table that shows the first name, last name, rank in team, rank in camp blue skies, team name, team number, points, and tiebreaker choice. The bottom section will contain this same information but for all participants in camp blue skies. The second page will be mostly blank with an easily observed field that requests the user to enter their team number and click a button called "Show Rankings." The team making this page does not have to make it actually display real data or do anything and can use placeholder data.

**(5-7 members) Design a small java application that downloads a csv file**

This application should run on a 24 hour timer. Every 24 hours, at 3:00am eastern time, the application should scrape the webpages of tourneytopia and login with a hardcoded username and password. Once logged in, it should navigate to a hardcoded url and download the csv file called "Scored Entries with Demographics." This file is currently accessible under "admin" and then "reports" after logging in. Once downloaded, the file should be saved on a local directory.

**(8-10 members) Design a small dynamic website**

The team doing this task should convert the webpages from the webpage team into a dynamic website. It may be a servlet or jsp page. The first page should receive the team number from the second page. Once it receives that number it should open the local spreadsheet (see the above) and sort the data. It should use this data to calculate the ranks of the people on the team identified by the entered team number (using the team number as what defines a team). This rank is how they compare to other members on their team. . The page should display the following information from each participant in the top part of the page: team number, the first name, last name, team name, team number, score, rank in team, rank in camp blue skies for everyone on the same team as the entered number. It will be sorted by rank in team. The bottom

section will consist of everyone in the spreadsheet and will contain the same information. The bottom section will be sorted by rank in all of camp blue skies.

**(4-6 members) Update hexarity website**

The team doing this should update the hexarity website in the following ways:. Note that this is a static site using html, css, and javascript.

1. This team should update the members page to include the names of all those who participated in the extra credit opportunity. The existing style should be used. Pictures should be collected from each student, with their permission of course, and used in the page.
2. This team should modify the website to support internet explorer
3. The links at the top of the site shift very slightly when the links are clicked. The team should fix this problem.