

# HBDA Score Tracker Sprint 1

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# Project Focus

## Who it's For

Hemophilia and Bleeding Disorders of Alabama (HBDA) for use with event attendance and summer camp scoreboard.

## What it Does

Use a point tracking system for a friendly competition between groups of campers throughout the week<sup>1</sup>

Track attendance of attendees for specific events (other than the summer camp)

# Sprint Goals

- ⬡ Set up the frame/boilerplate of the app
- ⬡ Allow a user to add campers and subsequently add them to groups
- ⬡ Allow a user to see team points on a scoreboard
- ⬡ Allow a user to add and remove points from each team listed on the scoreboard

# Major Achievements

## DATABASE

Setting up and deploying an Azure SQL DB server, revising schema to better fit data

Endpoints for viewing, creating, and deleting Attendees and Groups with input validation

## REST API

## BACKEND LOGIC

Connected to Azure SQL DB server with Python, and can add, delete, and get Attendees and Groups

Set up initial React App  
Created forms to add Attendees and Groups  
Created a simple Scoreboard

## FRONTEND

# Sprint Backlog

- ⬡ Research
- ⬡ Set up database
- ⬡ Set up Python/Flask
- ⬡ Set up React app
- ⬡ Superusers/Admins should be able to add campers
- ⬡ Superusers/Admins should be able to add campers to groups/teams
- ⬡ Users should be able to view a scoreboard with points for each team or camper
- ⬡ Users should be able to add/subtract points for each team or camper

# Project Backlog

ID	Story	Estimation (hours)	Priority	Sprint When Finished
1	Set up database	4	1	1
2	Set up python/flask	1	1	1
3	Set up React App	0.5	1	1
4	Users should be able to sign up and log in	6	2	
5	Users should be able to view a scoreboard with points for each team or camper	4	1	
6	Superusers/Admins should be able to add campers	4	1	1
7	Superusers/Admins should be able to add campers to groups/teams	1	1	
8	Superusers/Admins should be able to add/subtract points	2	1	1
9	Superusers/Admins should be able to remove campers	3	3	
10	Superusers/Admins should be able to update campers	3	2	
11	Superusers/Admins should be able to remove campers from a team	3	3	
12	Superusers/Admins should be able to remove users	4	4	
13	Superusers/Admins should be able to change user access	2	3	
14	Superusers/admins should be able to track camper attendance	5	4	
15	User Interface should be easy to use on a mobile device	8	5	
16	Users should be able to update their password	6	5	
17	Users should be able to make point update requests	6	2	
18	Superusers/Admins should be able to approve or deny point requests from users with less access	3	2	
19	Find a longterm host for web app	3	5	
20	App should have simple navigation	2	4	
21	Add styling/theme to app	12	5	
22	Users can only sign up with approval from admin (link)	10	3	

# Incomplete Goals

What we did not finish and what we learned from it



# Unfinished Tasks

- ⬡ Users unable to add campers to a group
- ⬡ Database exists with tables but it is not yet connected to the frontend
- ⬡ Points aren't stored anywhere, reset on page refresh



# Lessons Learned

## Timing Underestimations

- ⬡ Integration
- ⬡ Debugging
- ⬡ Learning process for new tools and APIs

## Communication Improvements for Sprint 2

- ⬡ Revisit GitHub Issues in team meetings
- ⬡ Pair Programming more frequently (at least once a week)
- ⬡ Code Walkthroughs to explain what the code is actually doing
- ⬡ More frequent commits to keep repository up to date

# Demo

Quick demonstration of  
functionality

