

Softball Team 2



EE/CprE/SE 491 WEEKLY REPORT 9

Nov 7, 2024 12:00 PM - Nov 14, 2024

Group number: 49

Project title: Slowpitch softball device

Client/Advisor: Nicholas Fila

Team Members/Role:

Cael Schreier: Bookkeeper and Code Review

Andrew Kinneer: Lead System Designer

Kyle Nachiangane: Lead Testing Engineer

Sam Skaar: Coordination and Documentation Lead

Kolby Moorman: Lead Frontend Developer

○ **Weekly Summary**

We're reaching the end of the semester, so we have begun to compile all of our work and documents to get ready for our final presentation and faculty panel. We also gave our group lightning talk this week about ethics, which was received very well! We have also continued to fine-tune our height tracking, and ball tracking throughout any time of day, and are working on a consistent development plan for our mobile application.

○ **Past week's accomplishments**

- Andrew Kinneer: Further investigation into consistent ball tracking across different lighting conditions. Looked into consistently narrowing where we are looking for the ball. Used slow-pitch softball footage from YouTube to get more footage to test tracking in different conditions.
- Kyle Nachiangane: Keep working with qt to get the iPhone emulator working and get some sort of ball tracking.
- Cael Schreier: I made some slight changes to our height-tracking algorithm to allow for more consistency, and have begun working on preparing for our final faculty panel presentation.
- Kolby Moorman: Finally got QT up and running on my phone but still experiencing some errors in terms of the application finding files.
- Sam Skaar: Was on a trip to California this week for work.

○ **Pending issues**

- Live height tracking vs preprocessed height detection
- Pitcher vs Tripod height detection
- QT vs Flutter
- QT Creator build errors

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Andrew Kinneer	Improving tracking with different lighting conditions	5	44
Kyle Nachiangane	Try using native React for phone	5	42

	development.		
Cael Schreier	Slight height tracking tweaks and preparing for faculty panel	4	43
Kolby Moorman	Got a simple QT app up and running on my iphone.	6	42
Sam Skaar	On a work Trip in California all week	0	39

○ **Plans for the upcoming week**

- Andrew Kinneer: Continue to narrow down a solid implementation for softball tracking across multiple different lighting conditions and fields.
- Kyle Nachiangane: Try using native react for phone development.
- Cael Schreier: Prepare for our semester demo and faculty panel, and help compile all code and documents from the semester.
- Kolby Moorman: Going to look into flutter for application development. You can only write and test QT applications that work for iphones on a mac which leaves only two of us that could do it so looking into other more expandable options.
- Sam Skaar: Finish team website and panel presentation preparation.

○ **Summary of weekly advisor meeting**

This week in our weekly advisor meeting we went over our ethics presentation to give a broad overview of what we currently have for our presentation. We then demoed our updated height tracking and simple qt application that we got deployed on our iphone.