

Softball Team 2



EE/CprE/SE 491 Status Report 7

Apr 4, 2025 12:00 AM-Apr 17, 2025

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 Nachiengane: Lead Testing Engineer

Sam Skaar: Coordination and Documentation Lead

Kolby Moorman: Lead Frontend Developer

○ **Weekly Summary**

○ **Past week's accomplishments**

- Andrew Kinneer: This week, I worked on finishing pitch detection. Made tweaks to the constants of the system to achieve better results. Now, if the ball reaches its peak and has not reached the minimum height, then an illegal pitch is detected. The sound played when an illegal pitch is thrown is now properly hooked up with the new pitch detection.
- Kyle Nachiengane:
- Cael Schreier: I worked on many bug fixes this week on our calibration and detection sides and helped test our pitch logic. Additionally, I changed our replay logic to replay the last pitch instead of the last five seconds of video.
- Kolby Moorman: This week, I went through the stats page and figured out why I was having the errors I was last week. I fixed those errors so that it was functioning as expected. This worked but then noticed new errors and informed the team.
- Sam Skaar: This week I added the hotzones for correctly framing the field mid game. I also made it work with the left and right logic so that it shows only two zones once a direction is chosen. I think this logic could be improved though in practice.

○ **Pending issues**

- Height tracking improvements for edge cases
- Sending game data from Android to Flutter
- Field Testing

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Andrew Kinneer	Finished pitch detection	7	138
Kyle Nachiengane	Did testing with main	3	119
Cael Schreier	Bug fixes, testing, replay changed to pitches	8	129

Kolby Moorman	Fixed stats page to work as expected	5	120
Sam Skaar	Hotzones for frame placement	5	120

○ **Plans for the upcoming week**

- Andrew Kinneer: A bunch of field testing and fixing bugs that come up from field testing.
- Kyle Nachiengane: Get together for field testing and account for edge cases.
- Cael Schreier: Field testing, final bug fixes, and final deliverables. I would like to be done with all of these sooner rather than later.
- Kolby Moorman: Drew and Cael made changes so I need to go through and update the stats page to take into account for the changes that were pushed and be done with that tasks once and for all.
- Sam Skaar: Add pdf stuff into the app. Refresh do android UI. Get started on the website, poster, deliverables etc.

○ **Summary of weekly advisor meeting**