

CEG4913 Weekly Progress Report

Week #: 5

SCRUM/Sprint No. 13

Group Number: 3

Date: October 23rd, 2025

One line summary of progress:

Work Completed

Hardware:

- Completed and tested stereo camera driver
- Designed and integrated adjustable camera mount into main casing

Software:

- Screen UI tweaks
- Twilio development
- REST API integration with website

Team Member Contributions:

Aaditya Shah:

- Implemented and tested stereo camera driver

Abdullah Ramadan:

- Designed and integrated adjustable camera mount into main body

Keith Tran:

- Working on Twilio API integration

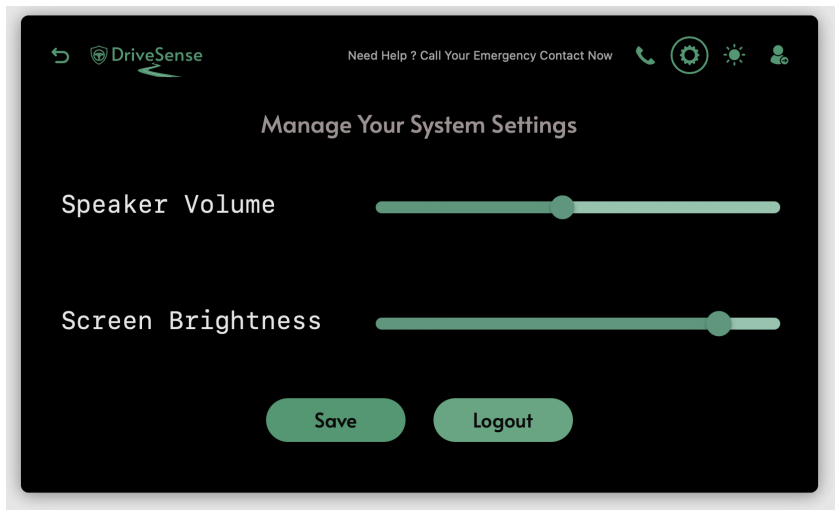
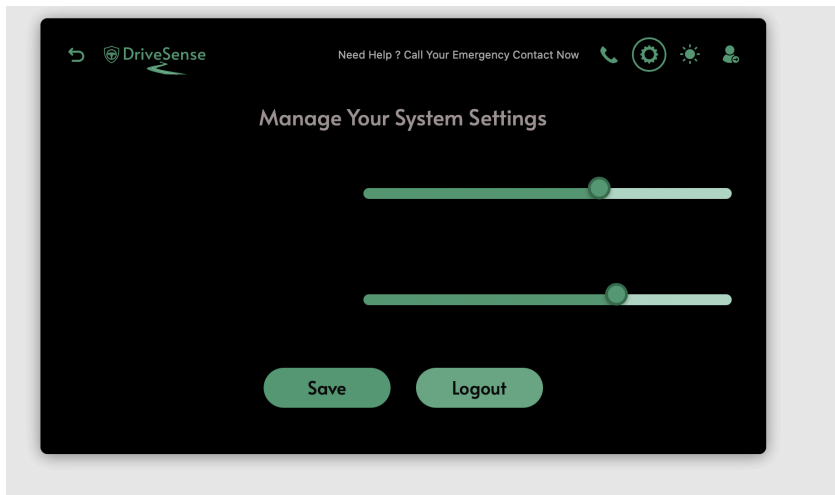
Kevin Dang:

- Working on REST API integration with website
- Preparing to improve yawning AI model

Hajer Fguir:

- Fixed Dark/Light mode issues on the ui screen

- Fixed the toggle bar
- Rest APIs Prep



Saurav Guduru:

- Writing and testing main thread with drivers

Issues and Resolutions:

Issue: None

Status: N/A

Resolution: N/A

Plans for next week:

Hardware Goals:

- 3D print first prototype for main body

Software Goals:

- Fully integrate Twilio APIs with screen UI application
- Fully finish the screen UI Frontend and prepare APIs
- Begin development to improve AI model

Management Board Screenshots:

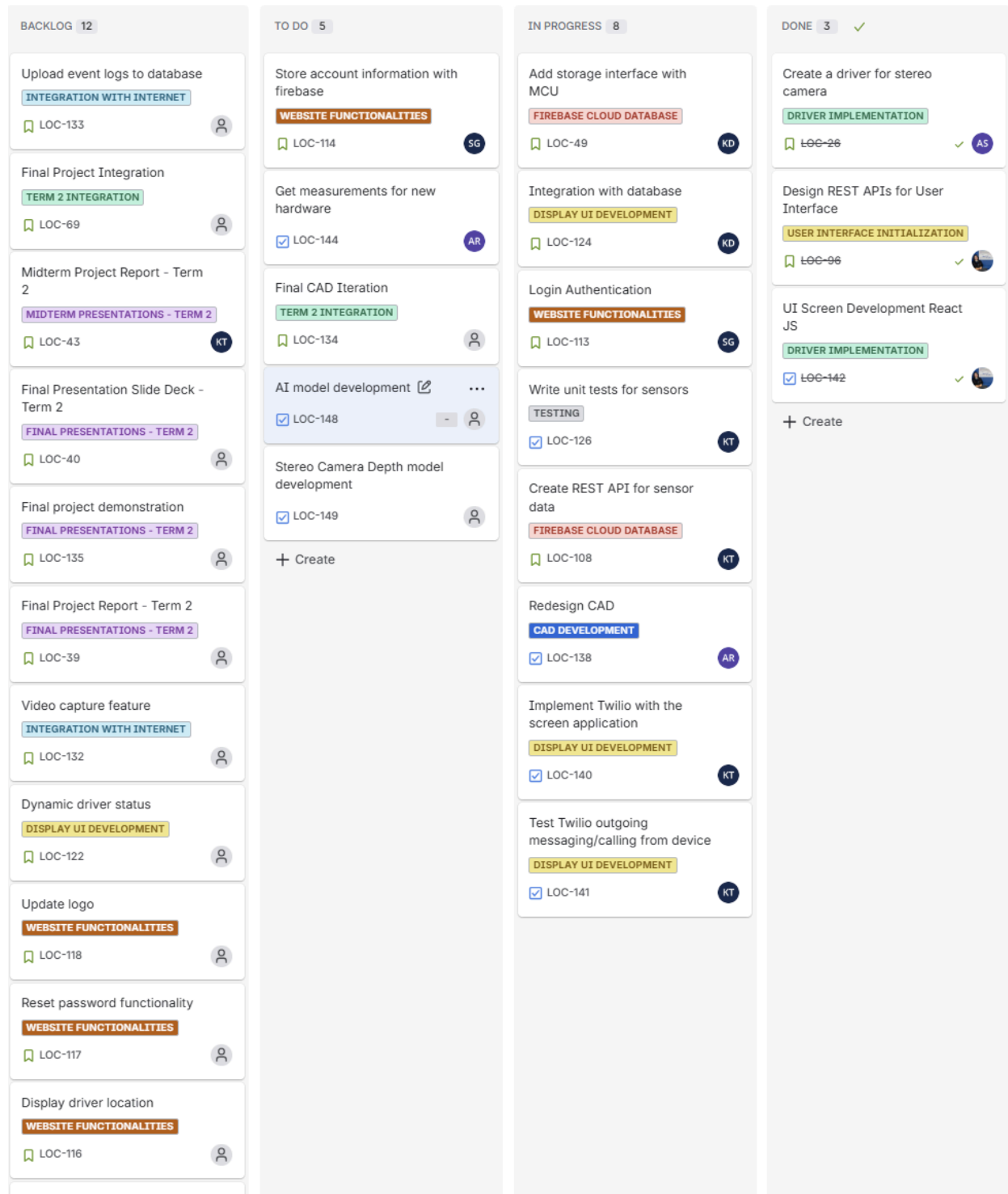


Figure 1 - General Management Board

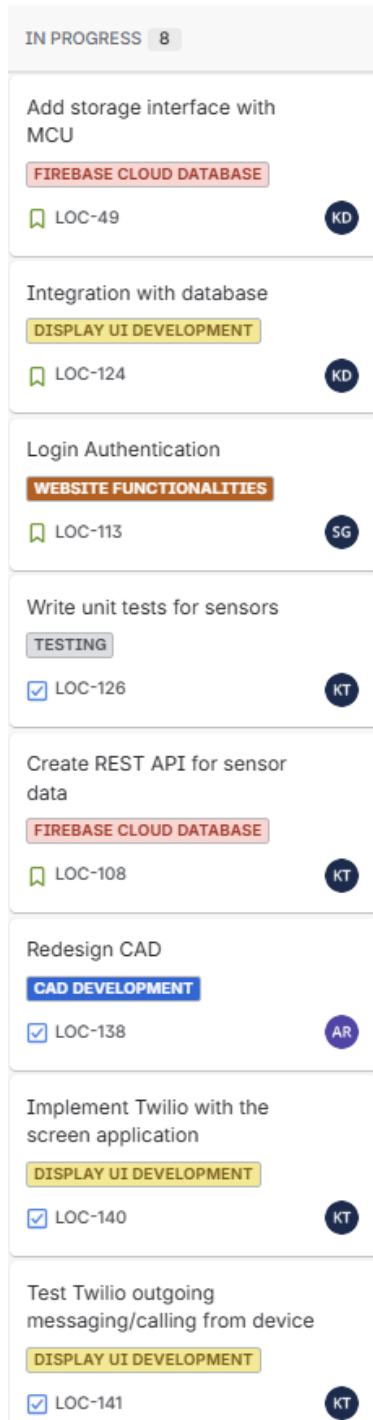


Figure 2 - This Week's Sprint

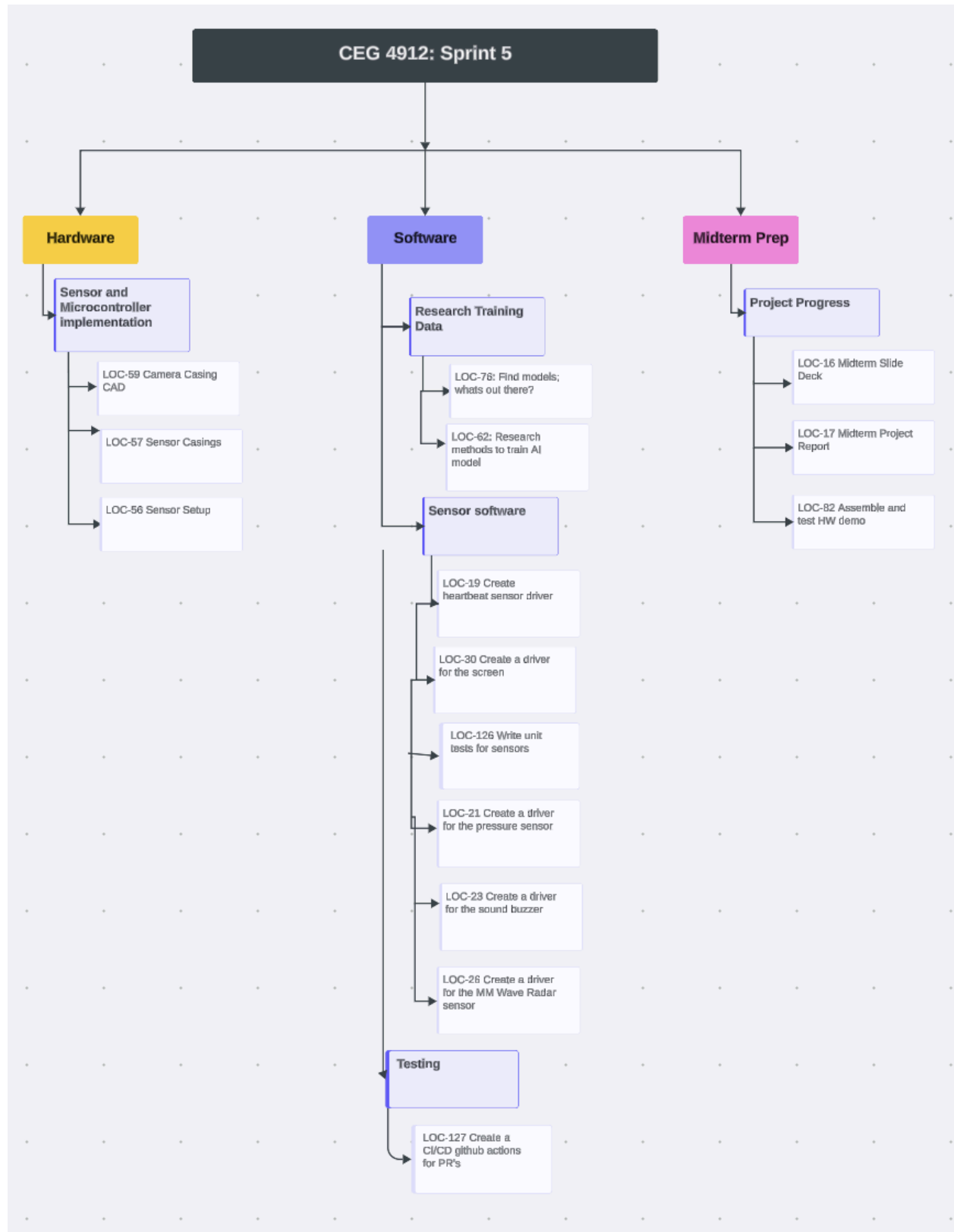


Figure 3 - WBS

Additional Notes: