

CEG4913 Weekly Progress Report

Week #: 6

SCRUM/Sprint No. 14

Group Number: 3

Date: October 30th, 2025

One line summary of progress: Finalized the main body CAD prototype, advancing API integration, refining AI model, and developing login authentication and UI features.

Work Completed

Hardware:

- Modified and finalized main body CAD prototype

Software:

- API integration with website
- AI model research
- Login authentication development

Team Member Contributions:

Aaditya Shah:

- Working on depth scanning model

Abdullah Ramadan:

- Modified main body prototype

Keith Tran:

- Working on Twilio API integration

Kevin Dang:

- Working on API integration with website
- Researched methods to improve yawning AI model

Hajer Fguir:

- Finished the UI Screen Light/Dark Mode
- Prepared env for the API integration

Saurav Guduru:

- Working on login authentication for website

- Researched methods to improve AI model proficiency

Issues and Resolutions:

Issue: None

Status: N/A

Resolution: N/A

Plans for next week:

Hardware Goals:

- Print main body prototype

Software Goals:

- API integration with website
- Fully integrate Twilio APIs with screen UI application
- Continue developing AI models

Management Board Screenshots:

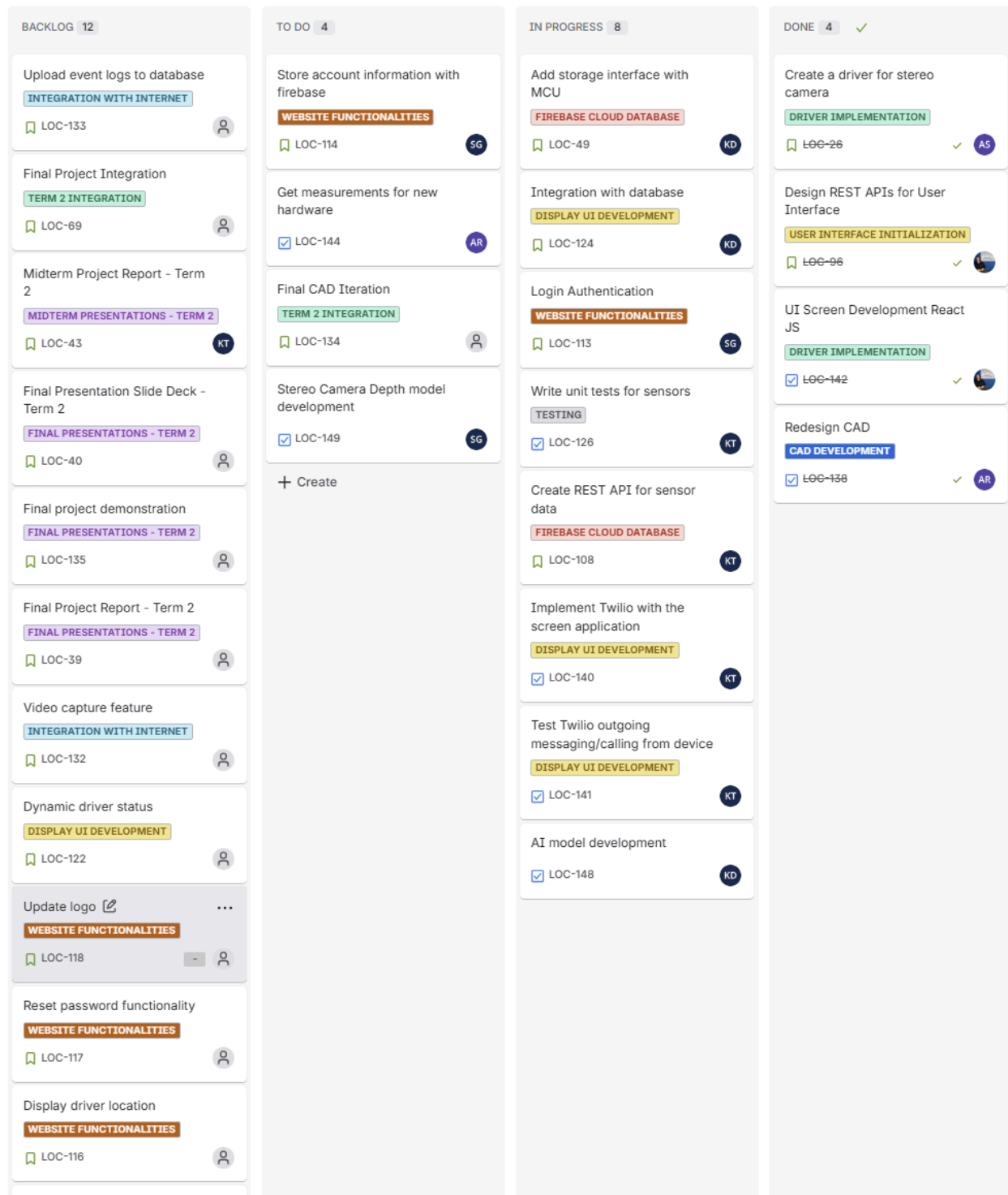


Figure 1 - General Management Board

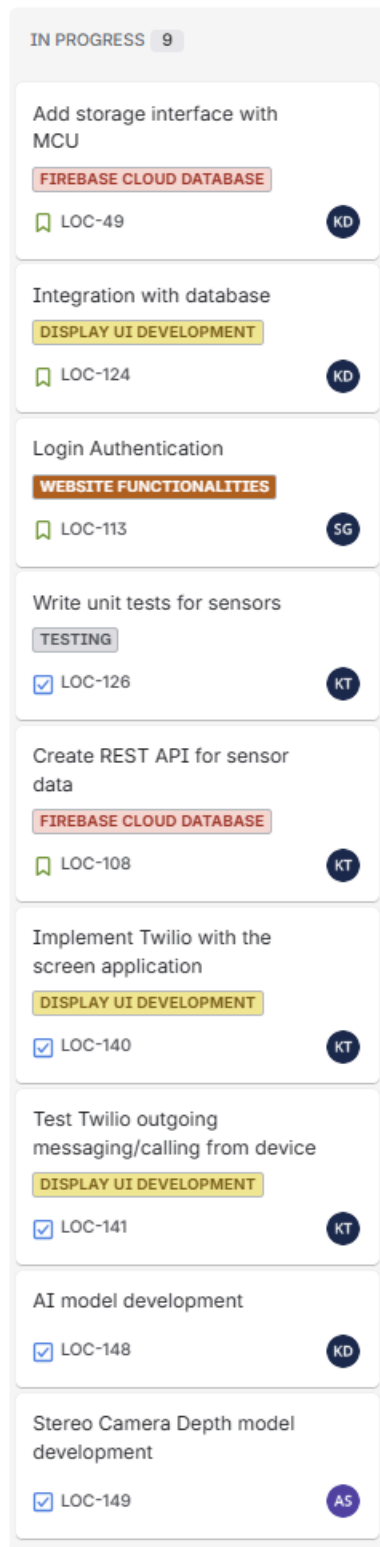


Figure 2 - This Week's Sprint

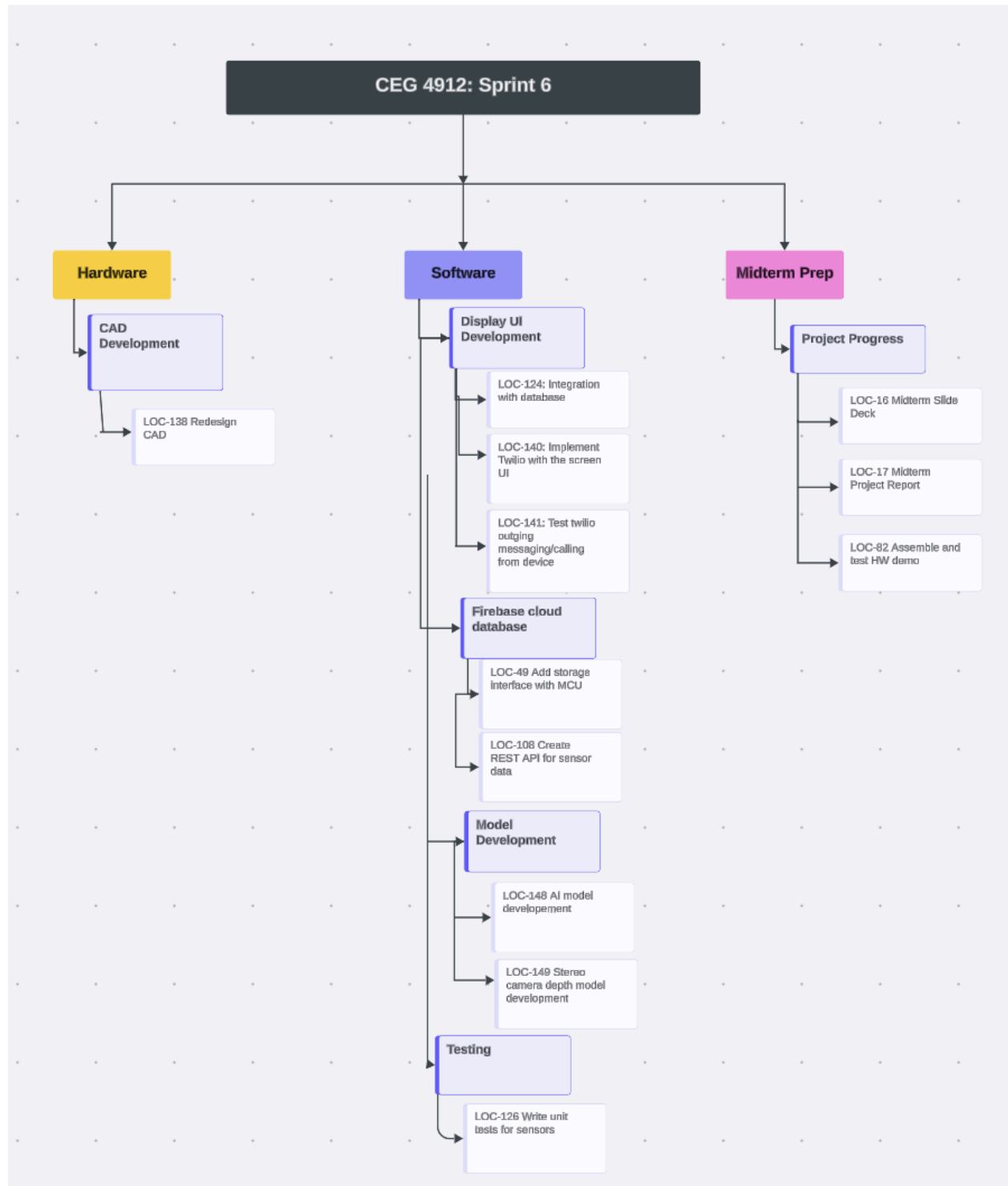


Figure 3 - WBS

Additional Notes: