Spacecraft Design-Build-Fly Lab

16/18-873

Fall 2023 – Spring 2024

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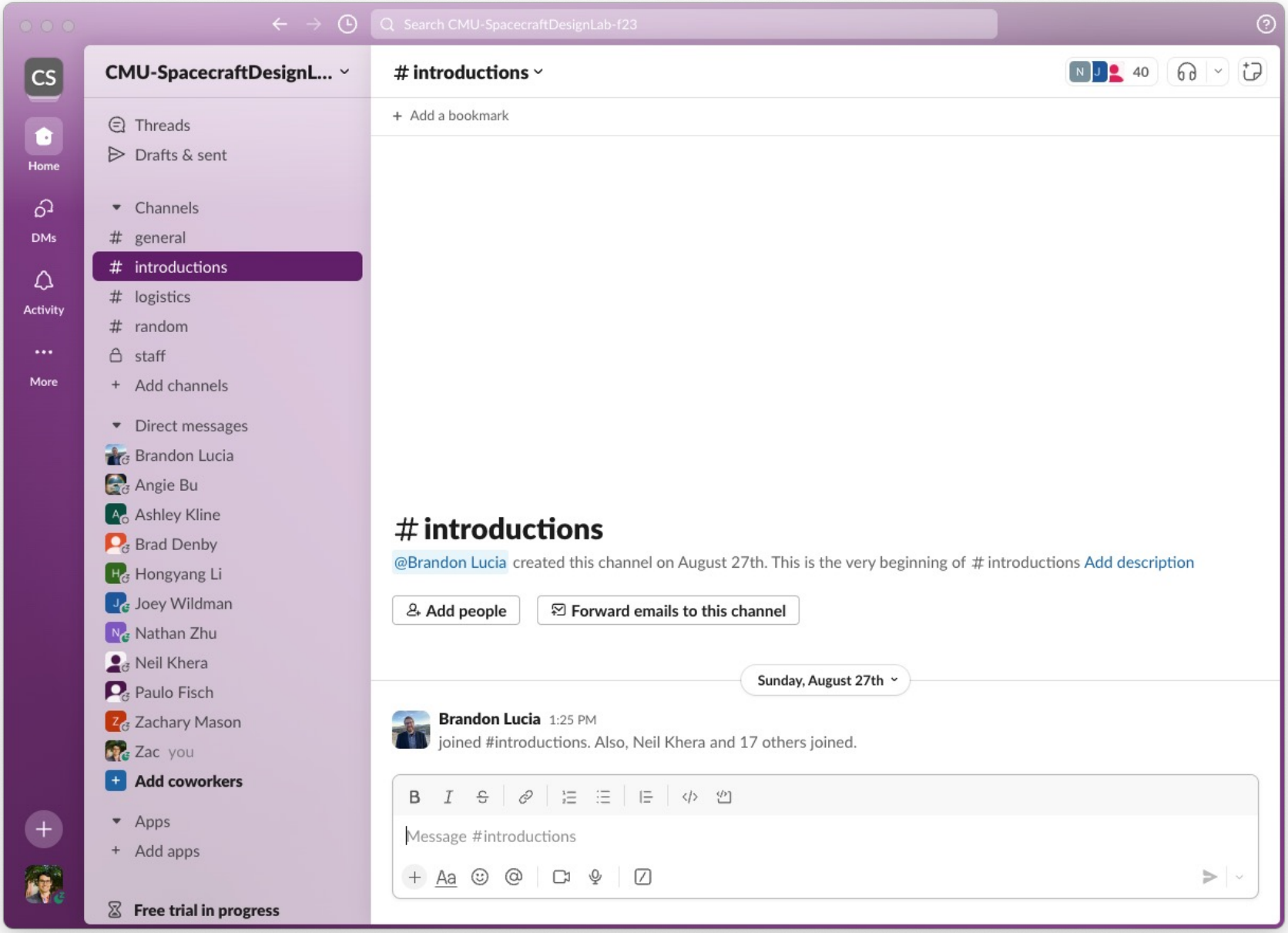

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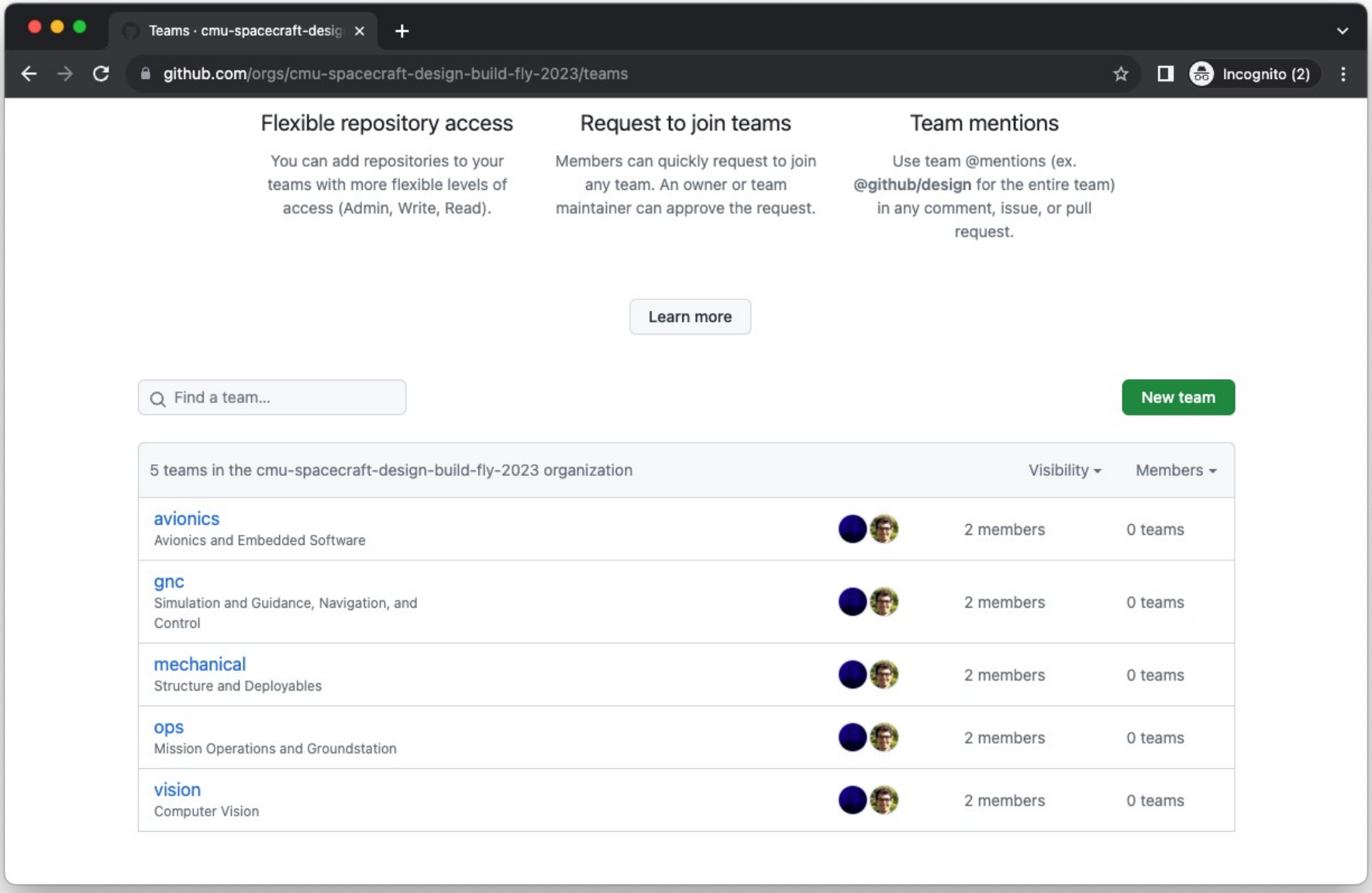

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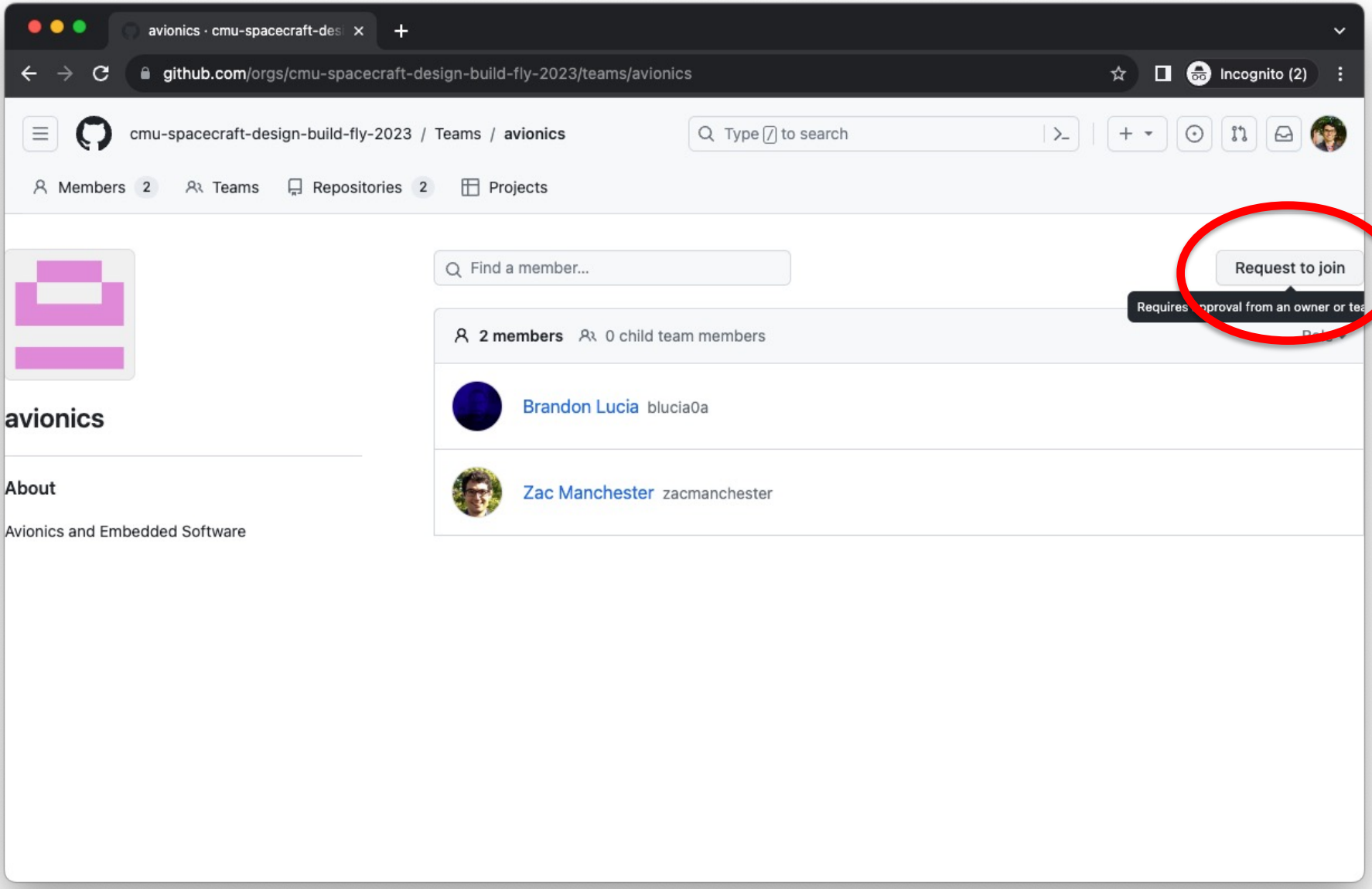

Teams

GNC
Zach Mason
Atharv Pulapaka
Shivam Tripathy
Sachit Goyal
Luyi Tang
Elakhya Nedumaran
Hongyang Li

Ops (Comms)
Angie Bu
Akshat Sahay
Jason Smith
David Morvay
Tim Mayer

Vision
Melissa Pan
Weihao Zeng
Rohit Bangal
Eddie (Yilei) Li
Nathan Zhu
Tong Jin

Mechanical
Colm Barry
Joey Wildman
Ashley Kline
Mrinali Nakhre
Allison Weller
Colton Amos

Avionics
Rohan Raavi
Nischal Mahadeshwar
Harry Rosmann
Karen Abruzzo
Nischal Mahadeshwar
Mindy Hsu
Gordonson Yan

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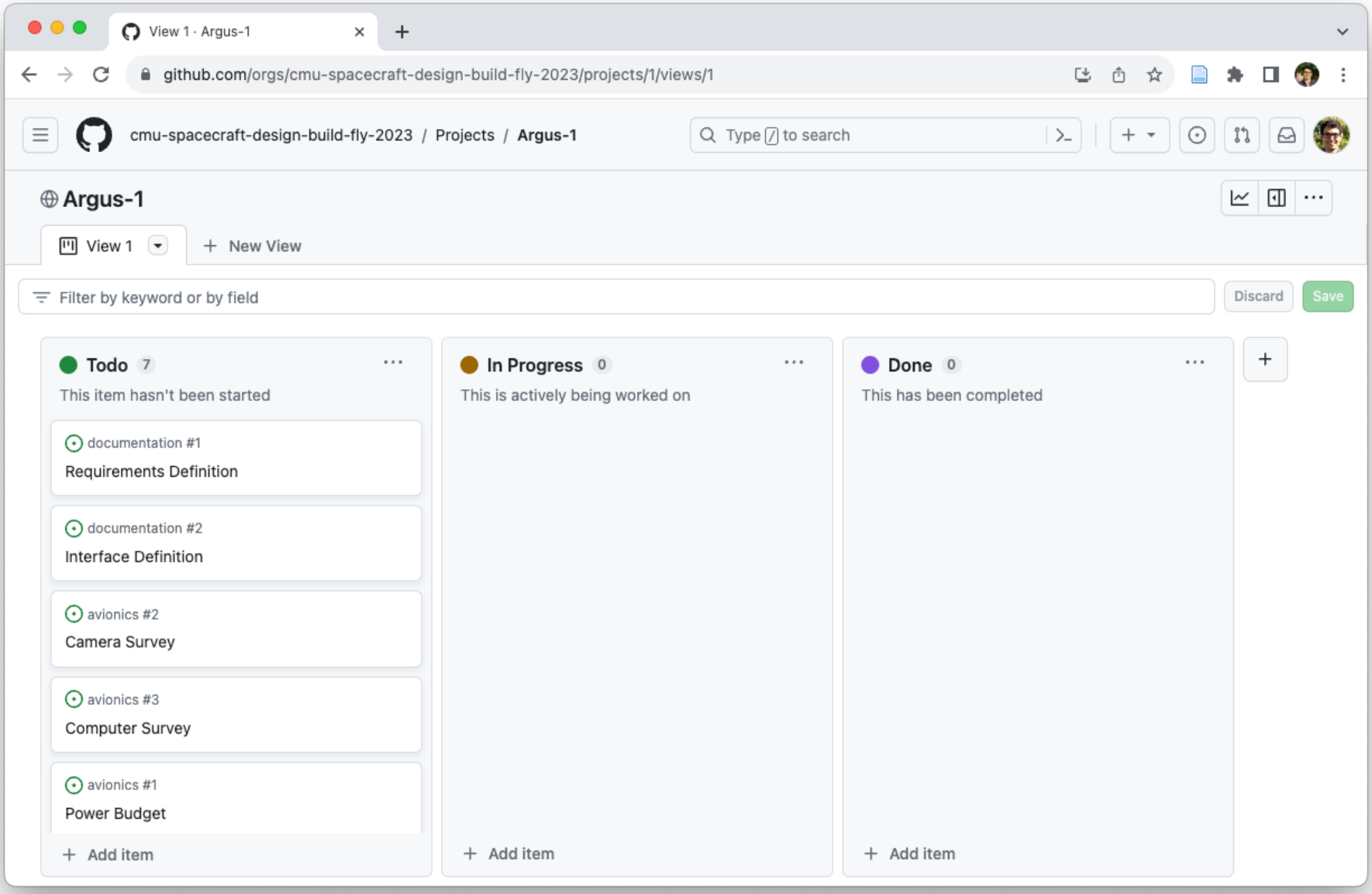

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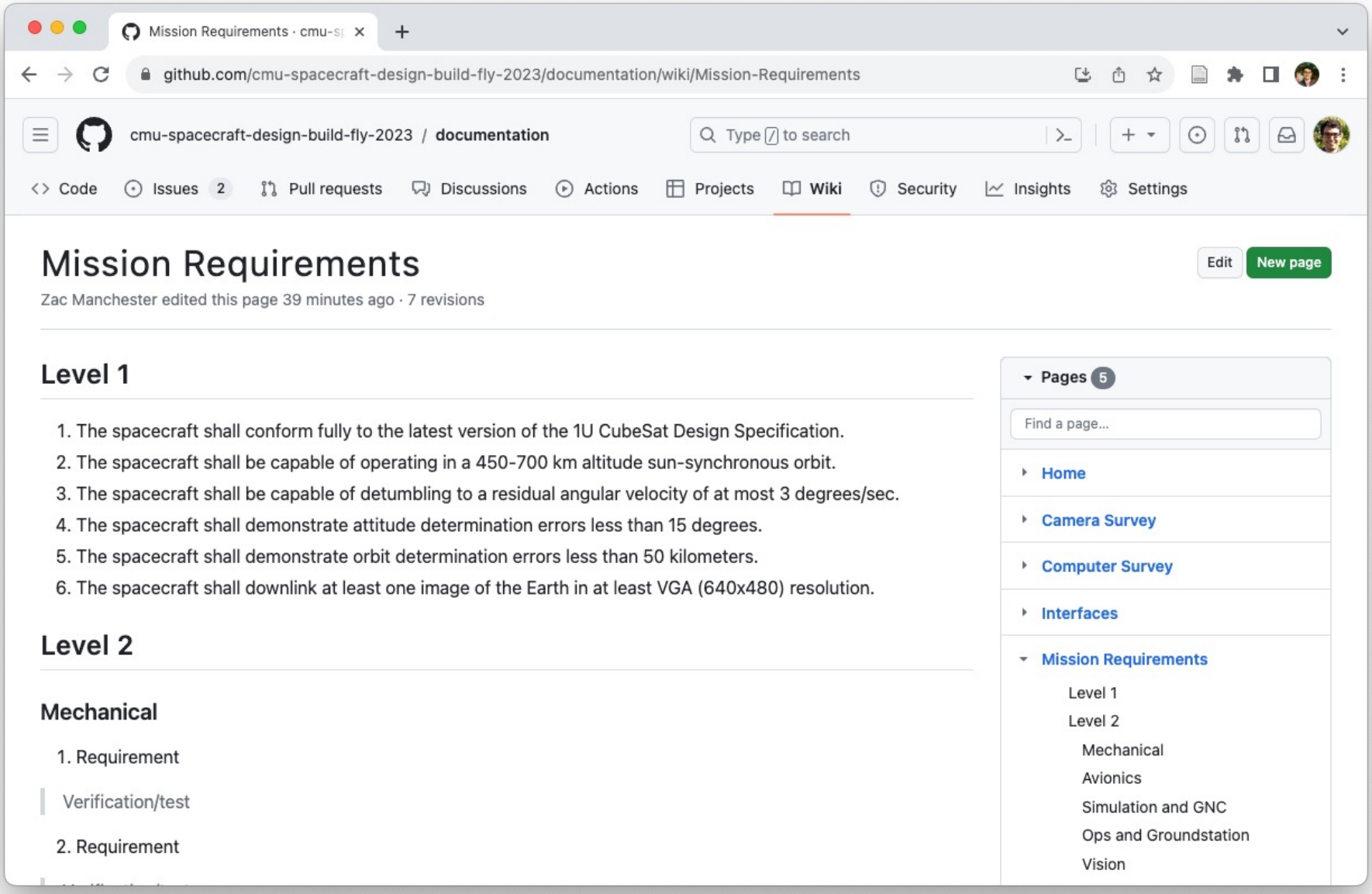

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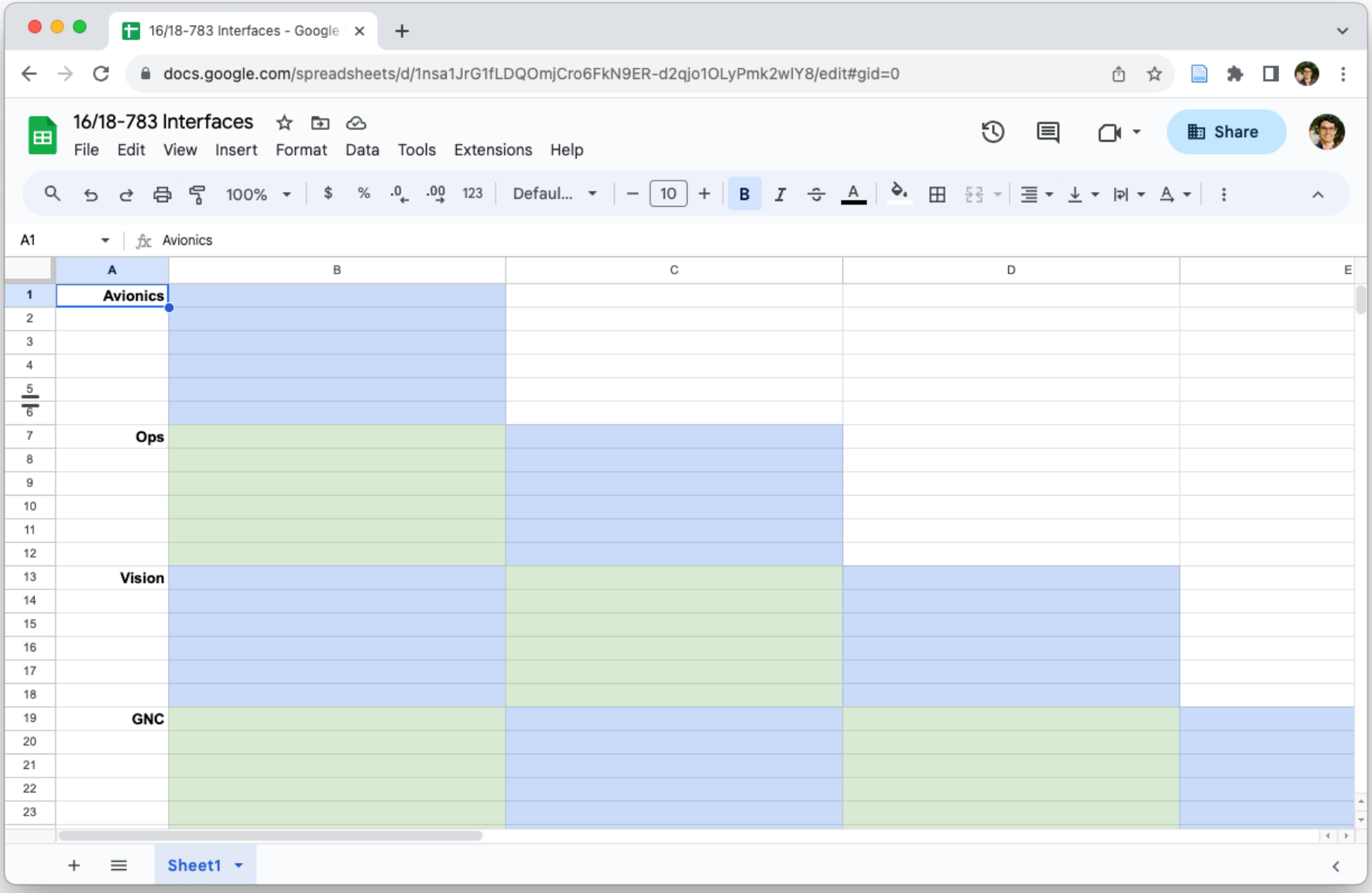

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7. Each team will present their requirements and interfaces next Wednesday.

Weekly Quad Chart

Concrete update *with images / figures w/ caption*?

What are your team's blockers, and which tasks are those blockers associated with?

What are your (new) tech requirements? What tools/software/etc do you need access to?

What were the major milestones achieved?

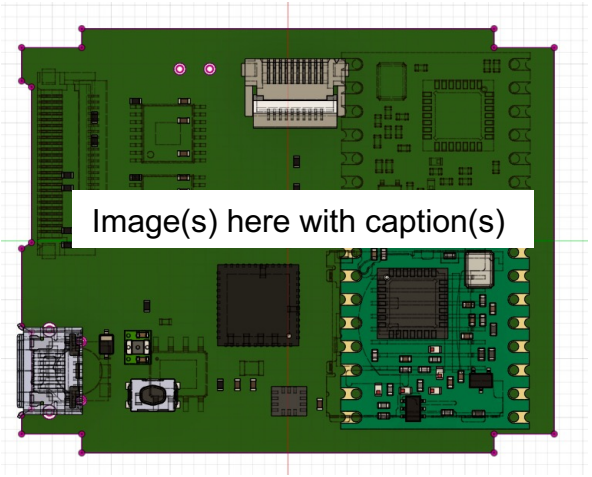
What are you doing this week, as concretely as possible and which milestones are those tasks attached to.

Is everything on schedule?

What are the cross-team issues and interfaces that require communication between your team and other teams?

What is your plan and timeline for communicating and merging your teams' plans?

Team Name / Week # / 16/18-873F23



Blockers

- No access to Pittsburgh Supercomputing Center for ML training
- Can't make camera work with test driver
- Two teammembers out of town for 5 days

Requirements

- Need login information for PSC ML training cluster
- Need Ansys thermal modeling tool for chassis thermal evaluation

Weekly Results

What you did

Things that worked, things that didn't

Next Week

What's next on your plate?

Updated Key Milestones (past + present)

Milestone #1	MM/YY
Milestone #2	MM/YY
Milestone #3	MM/YY
Milestone #4	MM/YY
etc	

Interfaces

Other Team 1
- None

Other Team 2
- Antenna placement
- Battery testing

Other Team 3
- Integration of sensor calibrations into software

Other Team 4
- Need magnetic moment values for sim

Fill out this whenisgood: https://whenisgood.net/zn595yw