

Sprint 2 Reflection: WASM as OS

Team: CTRL 5 Members Present (Sprint 2 Meeting): Ololade Awoyemi, Shivam Sakthivel Pandi, Biraj Sharma, Benjamin Wilson, Sritan Reddy Gangidi **Date:** November 8, 2025

Accomplishments (Tasks Completed and Team Contribution)

Demo Rust Backend CLI developed with file loading and deletion: Benjamin

Demo Javascript Frontend Developed: Shivam, Sritan

Test Document Updated: Naomi, Biraj

Early Backed Rust Tests written: Biraj

Design Document Design Rational, CLI screenshots and Rust Backend Class Diagram added: Benjamin

Key Milestones Achieved:

- First Rust and Frontend Demo completed
- Design Document Updated

What Went Well:

- Team spoke with confidence during meeting
- No issues running code during meeting
- Sizable amount of code has been pushed to the Github Repository
- Early version of CLI/Web UI finished development (demo)

What Could be Improved:

- Web Ui and Rust backend need to be integrated
- Existing Tests need to be refined and new ones should be written
- Group planning and meetings need work, once or twice a week would be adequate preferably during class hours. Assigning a team leader could be beneficial.
- Group communication needs improvement
- Design document needs to better fit TA's ideals
- Requirements doc needs updating
- Demo was not satisfactory

Plans for Sprint 3

- Updated demo with integrated web UI and Rust backend
- Ability to parse a wasm file
- Ability to start and stop a wasm module
- Full suite of integration, functional and unit test cases
- Update requirements doc with client
- Get client feedback on work done so far
- Update Test Document
- Update Design Document to better fit TA's criticism