

## Milestone 2 Journal

Oct 28, 2025:

- Created the GitHub repository for the project.

Oct 30, 2025:

- Pushed the lab files to the GitHub repository.

Nov 2, 2025:

- Created an Overleaf project where my team mate and I began drafting guidelines for naming and formatting conventions for the project. We iterated back and forth until we reached a satisfactory version. Spent the day renaming files, wires, and signals, and fixing the formatting of both files and comments.

Nov 7, 2025:

- Integrated the immediate generator, ALU modules, and the diines.v files from Canvas.

Nov 8, 2025:

- Completed the implementation of the R, B, and U instruction formats, tested them, and pushed the final version to GitHub.
- Created the branch.v file to decide on the branch outcome
- Created the shifter.v file to add the shifting functionality
- Updated the alu\_control.v to accommodate the new instructions.
- Added a mux to A input of the ALU.
- Updated the control\_unit.v file to accommodate all the new instructions.

Nov 9, 2025:

- Started working on the draft for the block diagram and the project report with my team mate

Nov 10, 2025:

- Finalized the project report and block diagram collaboratively with my team mate