

Milestone 5 - Weekly Report

- **Old to new conversion**

Either allow old and new files or One-way Convert the existing four-digit opcodes to six-digit. For the new file format, appending leading zeroes. This applies to both functional codes and numerical values. Functional codes should be prefixed with a zero (eg 10 becomes 010), do not allow mixing and matching 4 and 6 digit words within an individual file -- each file should be only one or the other. Only 4-digit to 6-digit conversion is necessary, NOT 6 to 4

- Example: 1007 (READ to memory address 07) becomes 010007
- Example: 5555 (number value) becomes 005555 Kainny

- **Multiple file opening.**

Allow only 1 file to be run at the time, create the option to open multiple files to be edited (though not allowing to change to another file to run if there's a current file already being run). We can use GUI tabs, sub-windows, or other options. Scott

Adapt UVsim to be 000-249

Update the UVsim to handle addresses from 000 to 249, modifying the system to allow new 6-digit format across all functions, ensuring proper overflow of opcodes still works. These modifications should work with new leading-zero opcodes and it should only do the 250 addresses (0-249) even if technically the new format allows up to 1000. Jordan, Alex

Additional Notes

Ensure comprehensive documentation updates including:

- Use cases
- Class diagrams
- GUI wireframes
- Functional specifications
- README instructions
- Jackson

TODOs

- TODO Fix program to allow the Advanced Edit button to work even after the program is executed and halted and correctly resize memory display. kainny
- TODO Fix GUI as it does not seem to actually modify the memory when modifying the opcodes from the main memory display. kainny
- TODO Make a log of values displayed by the program instead of displaying just the most recent. Jordan
- TODO Fix branching issues, test 2 and test 4 still don't pass. Alex

- TODO Modify app so it doesn't have the first two intro screens so that everything is just on one main window (Welcome UVsim and Load File). **scott**
- TODO Allow users to change color from the main program window. done
- TODO Fix program so loading for a second file after the initial one actually gets loaded. **Should work**
- TODO Modify save file option so that it actually saves the file. **Jordan**
- TODO Fix start simulation so it's able to run a file for a second time (self.simulation_running) **Jordan**
- TODO Update use cases, requirements, and class definition doc. (Additional Notes)
- TODO Update README with current changes. (Additional Notes)

Weekly meeting 1:
07/17/2024

Kainny
Scott
Jackson

In this meeting we assigned the main milestone updates and the to-do list among the team members, Objective is to have it done by the next meeting.
Created git issues for each work described above and assigned them.
Set a goal to do the code by next week, hopefully wednesday, Jordan, is going to be on a trip so he will be unable to attend weekly meetings
Objective is to have most of our codes done by the next meeting.

Weekly meeting 2
07/24/2024

Kainny
Alex
Jackson
Scott

We talked on the TODOs that were pending, some tasks were resigned to distribute some workload. Some issues were discussed about the code and we merged most of our changes to the main that were ready. Everything looked on track. Jackson will be updating the docs as the merges come into the main.
Objectives were to have the remainder task done by friday.