

Reflecting on the coffee project
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Does your program flow in a logical order?

The program has a logical order and I like the idea of a constant loop that runs, checking the state and updating as things happen. I think this flow works for a machine like a coffee maker since it has a simple purpose and no other programs will be trying to access the processor or anything like that.

What variables are implied by your design? Do they account for everything in the problem statement?

In the flowchart there are a lot of assumed variables that I think I explained well in the pseudocode. Things like the state, acceptable temperature for the heat pad, a boolean for the water dispenser. I think this design does account for everything in the problem statement.

What sections of the code might make sense to put in main()? What pieces of the code would make sense in a function or functions?

My pseudocode shows what should be in main and what should be functions. I hope that's not too confusing. Really, main will be made up of the state, a timer loop, and a nested state loop. So as the program runs, the state will change and run the various state functions.

Which method do you prefer, the visual flowchart or the text-based pseudocode? Why?

I like the visualization of the diagram best but it feels incomplete without pseudocode to back it up. The flowchart makes a nice picture and is a good introduction to the flow. I think a combination of the two is the best way to express how the program should run.