

The part that I struggled the most with while writing this code was definitely the "sorting for zreport". There is already an error in this section. If the switch times are the same, my code is not moving the first one added to the top of the other one, which it should. Secondly, there are boolean control points in one of my code blocks, and I am expecting a high likelihood of errors in these areas. Another challenge I faced was with the storage capacity and energy consumption of the Smart cameras and Smart plugs. I designed this system to update values with time changes, but I haven't been able to test if it updates at certain intervals during certain operations. Honestly, I couldn't find suitable input to test this. Overall, I don't think there are any major issues in the system. It successfully executes all intended tasks using the input1.txt file despite its numerous errors, effectively debugging them in the process.. As I mentioned earlier, I have an error in the sorting section(remains unresolved), and although I haven't encountered any errors with the boolean control points, I don't know you may encounter them while testing. Additionally, you may also encounter errors regarding the storage capacity and energy consumption, which I haven't tested yet.