

Functional Requirements – Step 3B

1. Error handling log
2. Allow line-by-line programming
3. Upon startup, a description of functionality should be given
4. Run-time error handling
5. Programs should be able to be reprogrammed before termination
6. Programming should be allowed from text files
7. Commenting on files should be supported
8. PC and memory should be reported when run-time error occurs
9. Memory overflow should cause an immediate HALT and output a message
10. Editing of entered program should be available
11. Run/Stop button for execution (halting)
12. The system should have a menu with options at start up
13. Accumulator and PC should be displayed, for better real time programming
14. Help manual should be included.
15. Main memory should be displayed at runtime.