

FR1: Memory manipulation

FR2: Branching, unconditional and conditional

FR3: Program should have a RUN/HALT button, especially when loading files

FR3: Option to memory dump to text file instead of console

FR4: Accumulator and PC should be displayed, for better real time programming

FR5: A button, when clicked, should open a file to show README & other info of the system

FR6: Commands should be enterable using buttons (like a drag and drop)

FR7: Commenting on files should be supported

FR8: Run-time error checking for bad operations

FR9: PC and memory should be reported when run-time error occurs

FR10: Pre-run-time error checking for invalid character input

FR11: Memory should be visible at runtime for better real time programming

FR12: A brief description at startup should display before users can enter programs

FR13: Print character (ASCII) command should be implemented: (printOp)(2-digitASCIIcode)

FR14: Memory overflow should cause an immediate HALT and output a message

FR15: A function should catch all errors and send them to a file