**SRS milestone 3 - Tait Draper**

**Functional Requirements:**

Read the program file from the user.

Read input from the keyboard.

Write output to the screen.

Load data into the accumulator.

Store data from the accumulator.

Add data to the accumulator.

Subtract data from the accumulator.

Multiply data with the accumulator.

Divide accumulator by data.

Branch to a memory location.

Branch if the accumulator is negative.

Branch if the accumulator is zero.

Halt the program.

Initialize memory to zero.

Store signed four-digit numbers

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**Non-Functional Requirements**

Performance: Execute instructions quickly.

Usability: Provide a user-friendly GUI.

Reliability: Validate input files.