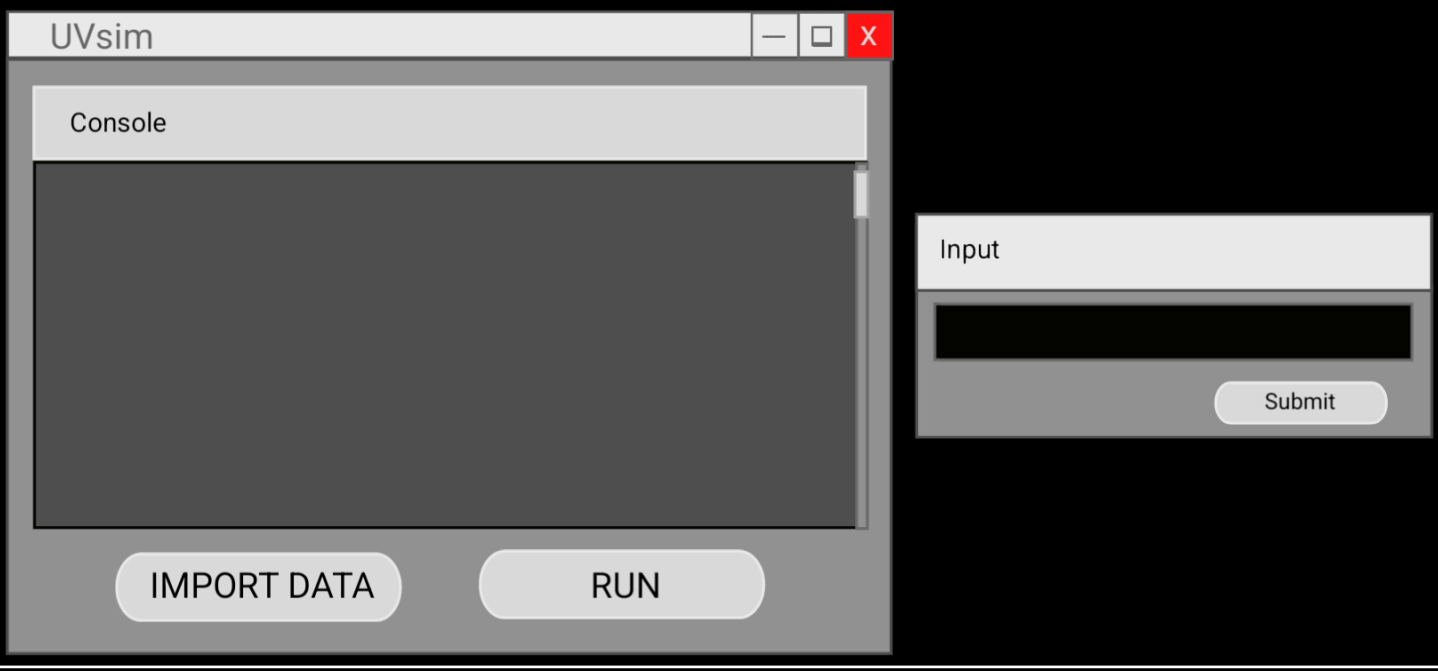
GUI Design



Description

Main GUI Window

Output Console: a text scroll field that will display any output (errors, BasicML WRITE outputs, etc.)

Import Button: opens a file explorer on press. Allowing for the user to find and import a *.txt file containing BasicML instructions.

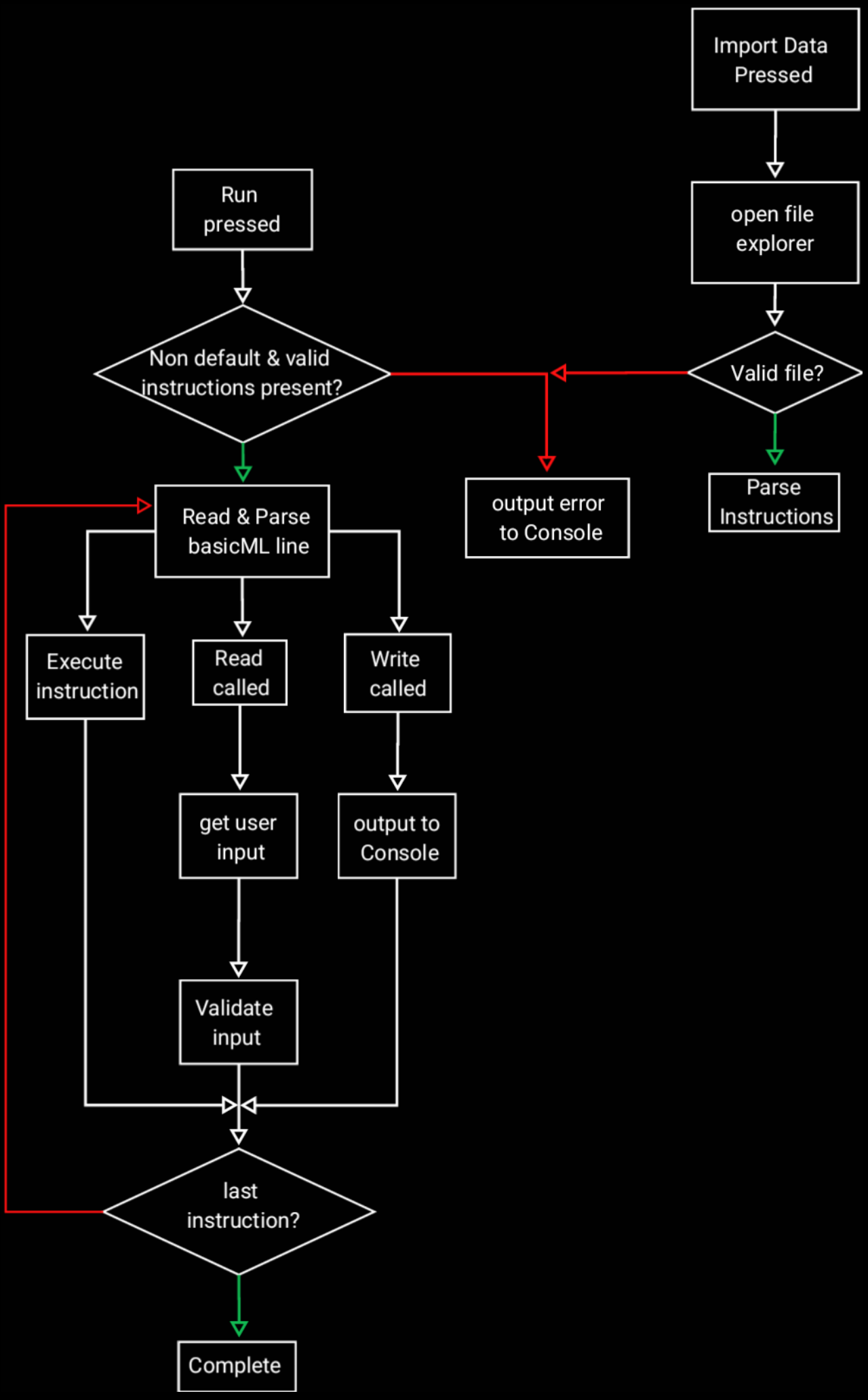
Run Button: executes the program on press.

User Input Window: appears when the program performs the BasicML READ instruction.

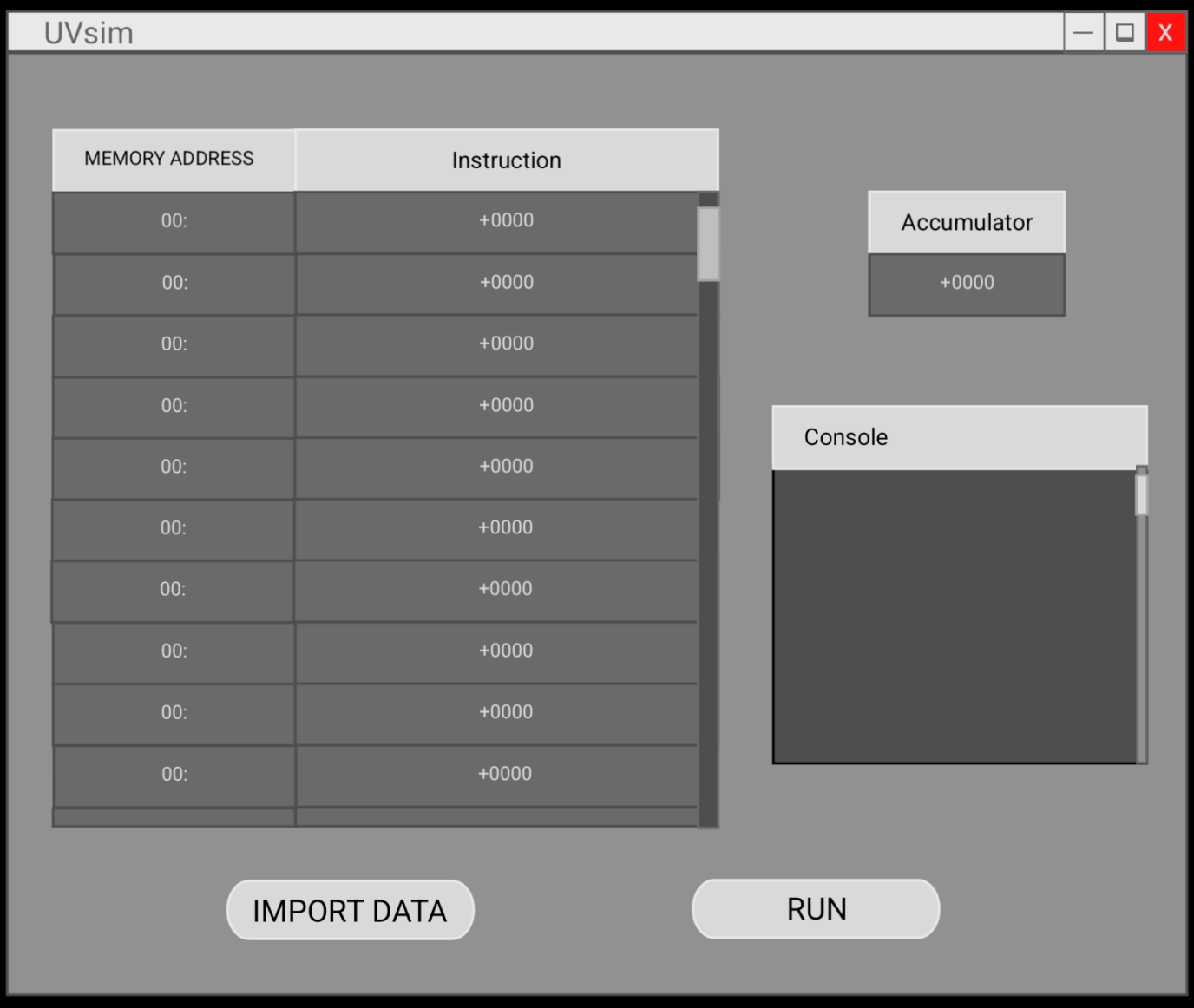
Entry Text Field: input field that expects a signed 4-digit numerical value.

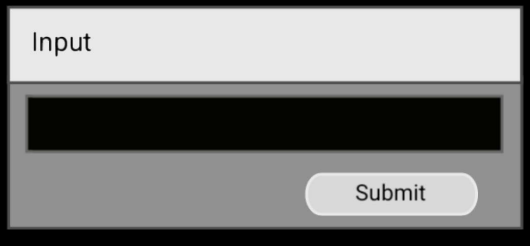
Submit Button: submits entered input to the program.

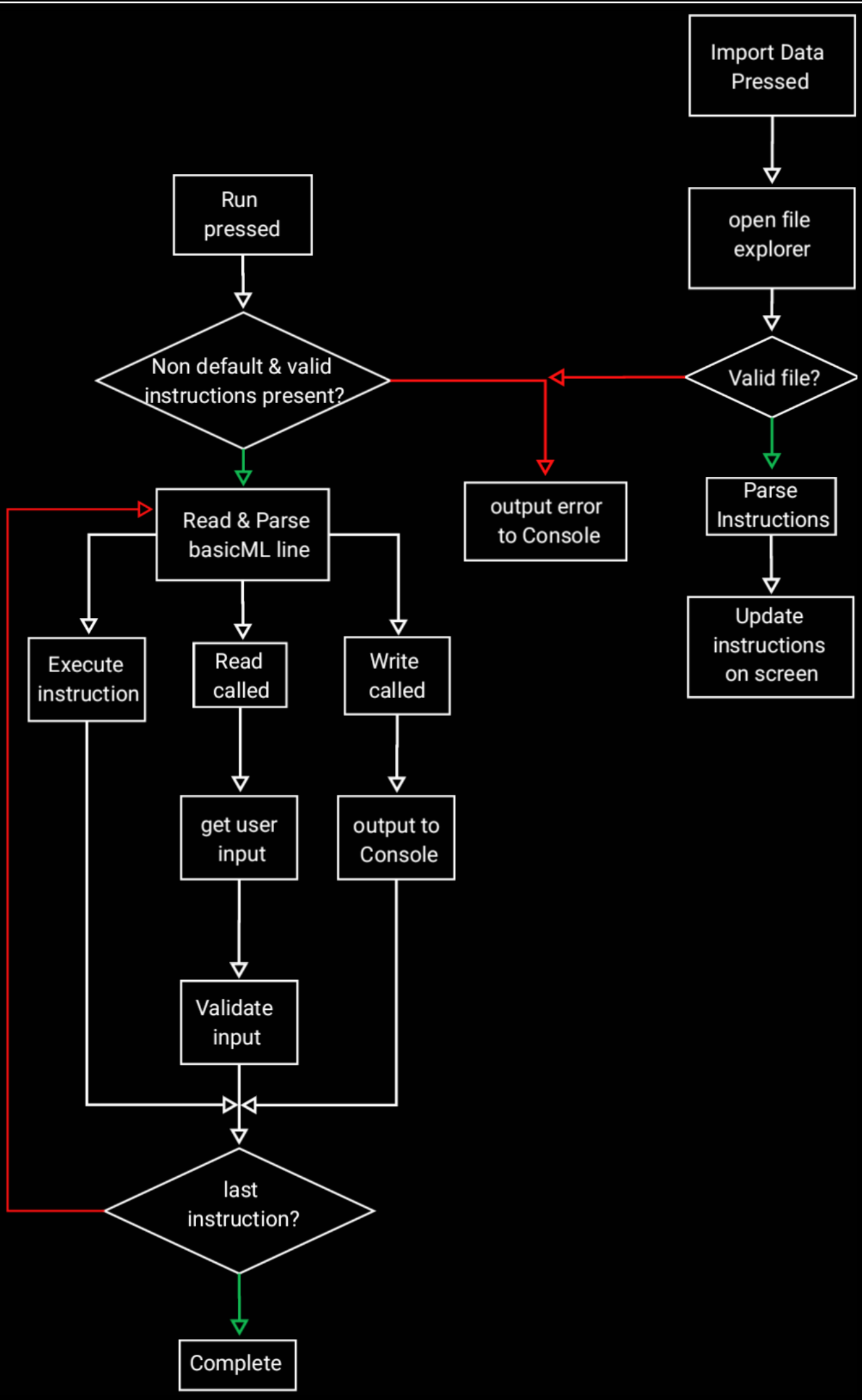
Rough Program Flowchart



Potential Future Look






Import Data Pressed
open file explorer
Valid file?
Parse Instructions
Update instructions on screen
output error to Console
Run pressed
Non default & valid instructions present?
Read & Parse basicML line
Execute instruction
Read called
Write called
get user input
output to Console
Validate input
last instruction?
Complete