**Functional Requirements:**

* The Program will have a GUI to read BasicML instructions in a .txt files
* The Program will have a run button to execute the loaded program
* The Program will support CPU operations to do arithmetic.
* The Program will support control flow operations like BRANCH
* The Program will validate instructions syntax before running
* The Program will have 2 scroll bars, for the console and instructions section.
* The Program will take user input via input boxes.
* The Program will output to the console if the WRITE() method is called.
* The Program will read imputed text or .txt files if the READ() method is called.
* The Program will allow the user to make BasicML instructions in the text pane.
* The Program will allow the user to save BasicML instructions.
* The Program will allow the user to load BasicML instructions from saved.
* The Console will give a prompt when the READ() method is called.
* The Program will have a “reset” button to empty the input boxes.
* The Program will handle overflow instructions.

**Functional Requirements:**

* The Program will have a clear and easy to follow user interface for all interactions.
* The Program will be compatible with any system that has the .NET platform.
* The Program will respond within nominal times during input and file loading.