Functional Requirements

* UVSim will have a Run button to execute programs.
* 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.
* UVSim will report BasicML errors.
* UVSim will handle bad txt files without crashing.
* UVSim will be able to save text files.
* UVSim will be able to load text files.
* The Program will have 2 scroll bars, for the console and instructions section.
* The Program will have an indicator for when its running
* The Program will have an indicator for when it's waiting for user input.
* The Program will handle overflow instructions.
* UVSim will be able to write output to the console.
* The Program will be able to parse/interpret txt files.
* UVSim will allow editing existing text files.

Non Functional Requirements

* The Program will run code in less than 10 seconds.
* The UVSim will have a tutorial page to guide new users.
* The Program will have a debugger.