User Manual

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Intro:

Our purpose was to design a back-end compiler that will accept grammar based on the given rules that the instructor provided us with. A compiler takes the source file and processes it into a lower level language that can directly run by the hardware. This project will be the front-end, while the back-end will be handled by the programs mini and mICE.

How to Run:

This compiler is designed to accept the given grammar, defined in the System Manual. The input to this project will be a text file, whose file path is hard coded to be found on my Desktop. The output file will be used by Mini, then used by Mice which will compile the back-end of the compiler. This project will only handle the front end-compiler. The output file will be named CompilerOutput.jam and stored in the ICE folder.

To start the program, set the path of the document to your desired input file and run the program. This will store the .jam file in the ICE folder. Open up the command prompt and run mini. This will ask you for an input document which you will specify as: CompilerOutput.jam. This will then store a CompilerOutput.jam.out file in the ICE folder. Now the user needs to run mice in the command prompt, and specify the input file as CompilerOutput.jam.out. This will then run the program and give you the desired output.