IDE Documentation

Christopher Piccirillo

Pablo Rivas

Formal Languages + Computability

May 2nd, 2016

Part 1: How to set up

Part 2: How to use the GUI (with screenshots)

Part 3: Enjoy!

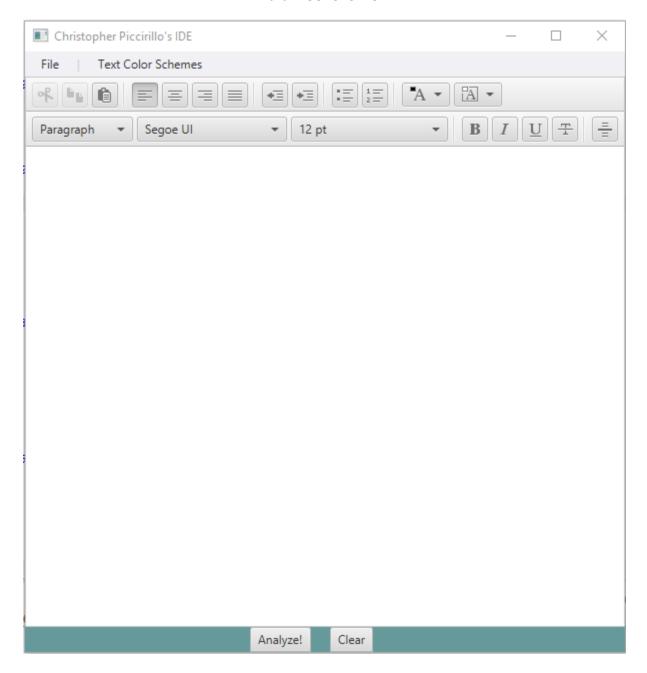
Part 1: How to set up (IN COMMAND PROMPT)

- Pull files from Github: Link below https://github.com/ChristopherPiccirillo/Formal-Languages/tree/master/Final Project/MileStone 2
- 2) Open Command Prompt
- 3) Navigate to the folder the 3 java files are located (GUI, checkUserInput, Matrix)
- 4) Compile these files (javac GUI.java, javac checkUserInput.java, javac Matrix.java)
- 5) Run GUI.java, (java GUI)
- 6) This will open the IDE and full functionality will be available.
- 7) Enjoy using the five test programs provided and/or creating your own!

Part 1: How to set up (IN AN IDE)

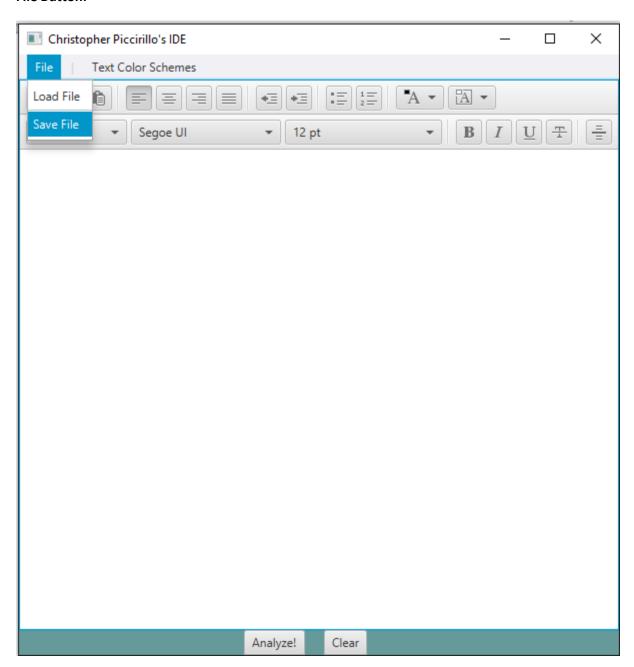
- Pull files from Github: Link below https://github.com/ChristopherPiccirillo/Formal-Languages/tree/master/Final Project/MileStone 2
- 2) Open the three java files in an IDE of your choice. (I used Eclipse)
- 3) Compile all files and run GUI.java
- 4) This will open the IDE and full functionality will be available.
- 5) Enjoy using the five test programs provided and/or creating your own!

Part 2: GUI Overview



My IDE consists of four main buttons aside from the rich HTML editor's built in functionality.

File Button:

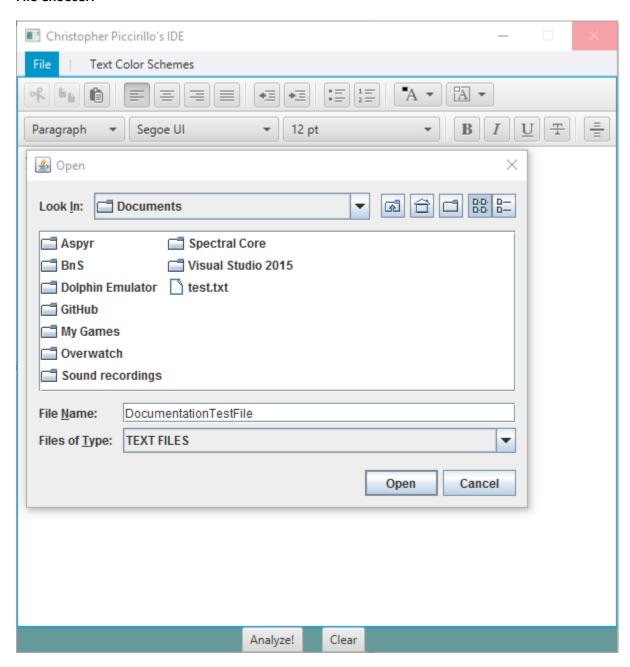


The File button allows a user to load a file from their PC with the Load File button.

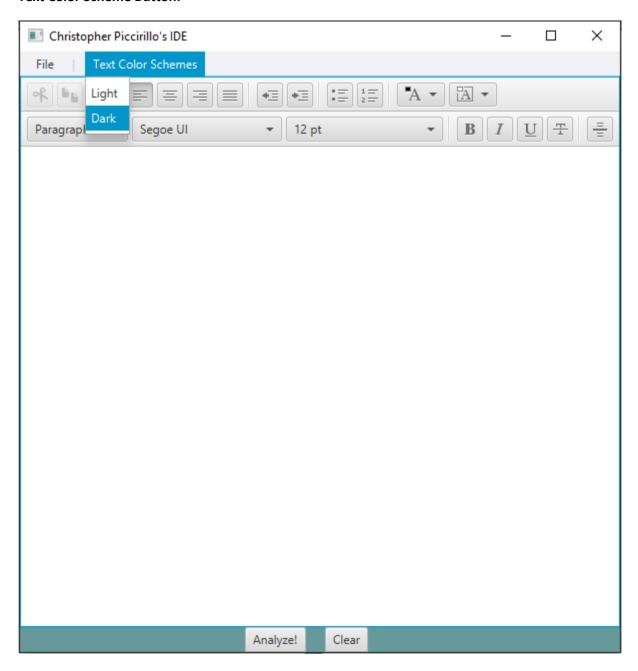
It also allows a user to save a file to their PC with the save file button.

Both use a similar interface shown on the next page.

File Chooser:

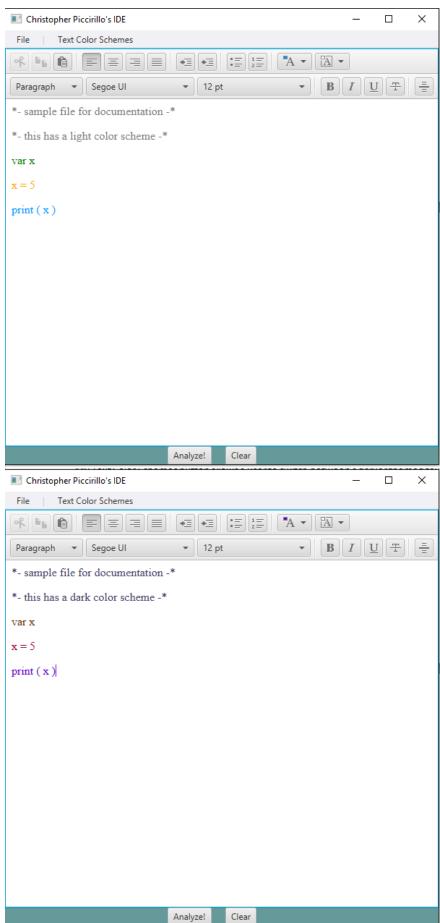


Text Color Scheme Button:



My Text Color Schemes button allows a user to switch between a darker themed text and a lighter themed text. Both of which are shown on the next page.

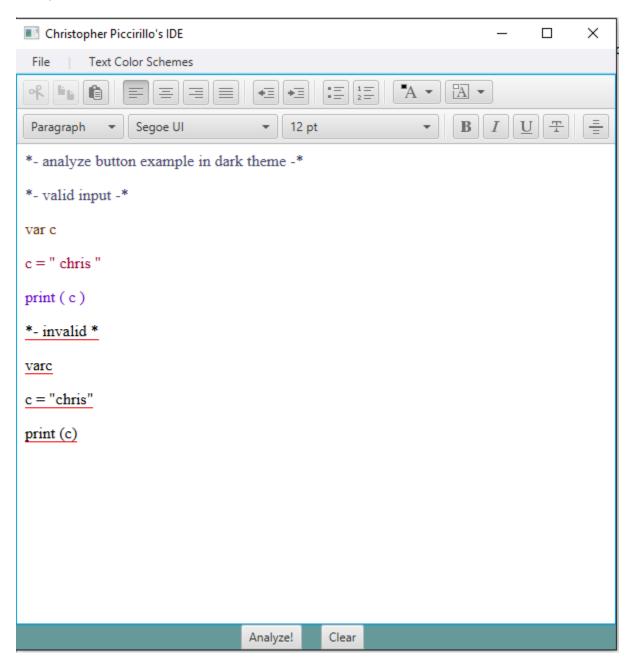
Light/Dark Text Color Schemes:



Analyze Button:

The analyze button will compare the inputted text to our grammar using a very large DFA. If any of the text does not match our grammar it will be underlined red to alert the user of an error.

Example below:



Clear Button:

This	button is ver	v simple.	Once	pressed it will	completely	delete and	l clear i	the text	area of	our IDE.
11113	Dutton 13 vci	V JIIIIDIC.	Olice	DI COSCA IL WIII	COLLIDICTCIA	acicic and	i cicai		ai ca oi	Oui IDL

Part 3:

This concludes the documentation for this project. All of the code is properly formatted and documented. Any discrepancies should be cleared up in the demo provided.

Enjoy!