

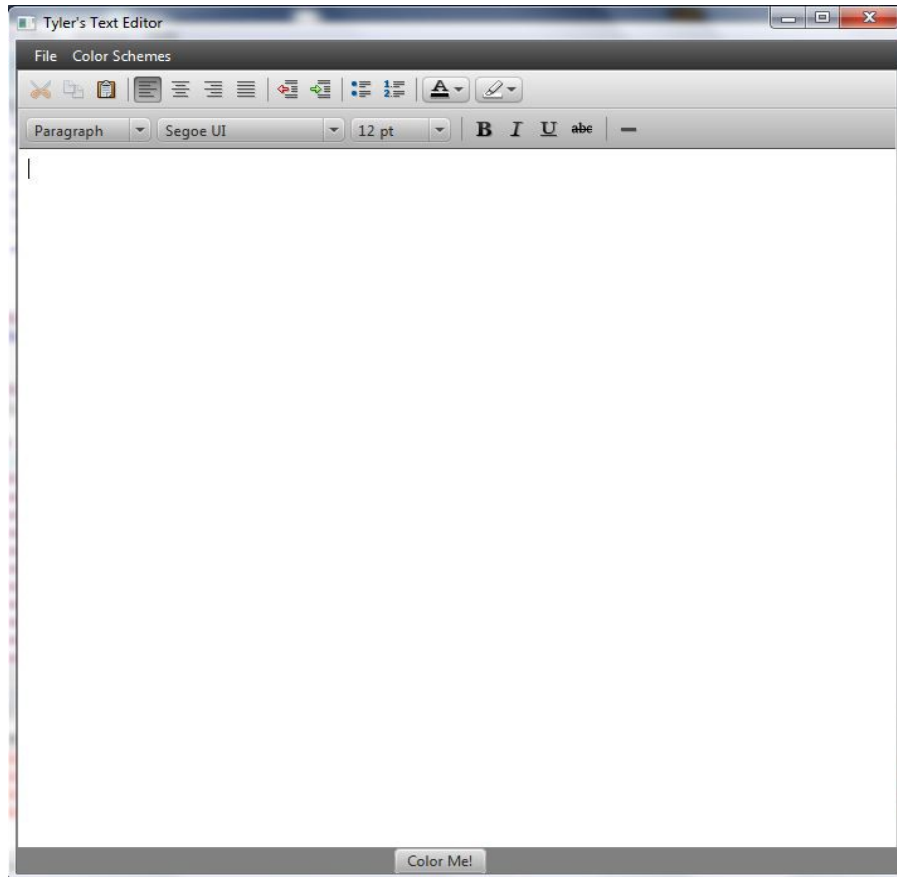
Formal Languages and Computability
Professor Rivas
Final Project Documentation

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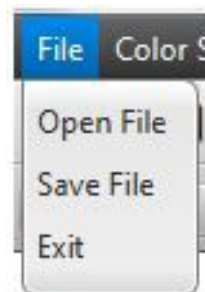
Our project was a text editor that changed colors based on a DFA for a mock language. The text editor is written in Java, and used JavaFX and Swing.

Demo:

- 1) Importing the project into Eclipse and then running the project will yield this window:



- 2) The menu bar has two options: File and Color Schemes. Opening the File menu will show you these options:

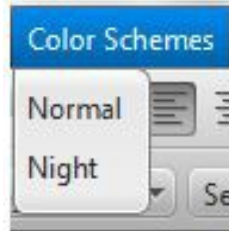


- "Open File" will open a file explorer, allowing the user to open a file from their computer to edit.
- "Save File" currently doesn't work, but eventually it will allow the user to save whatever

file they were working on in the editor to their computer.

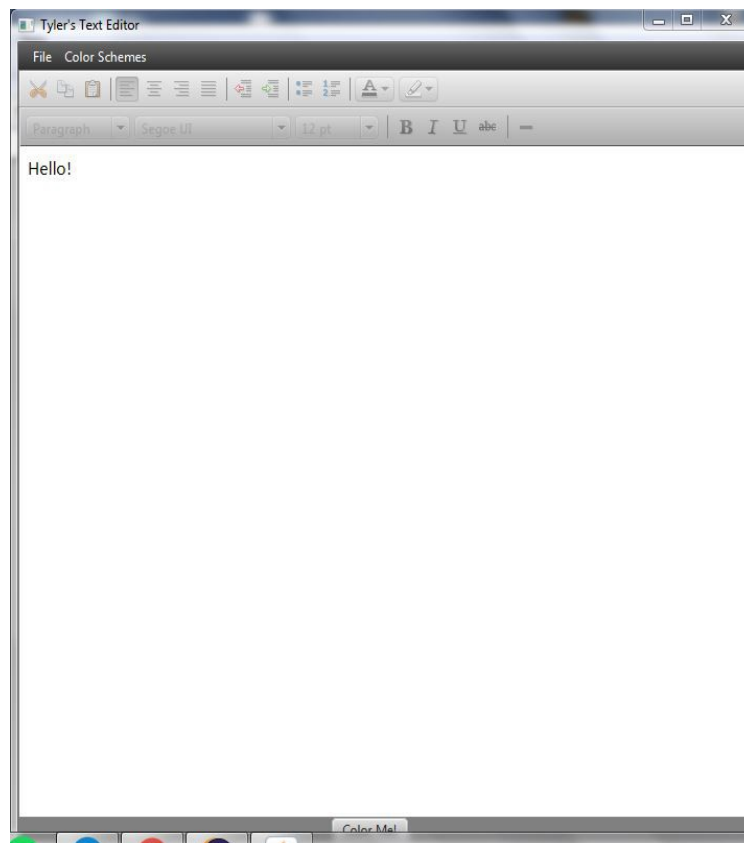
- “Exit” will close the text editor.

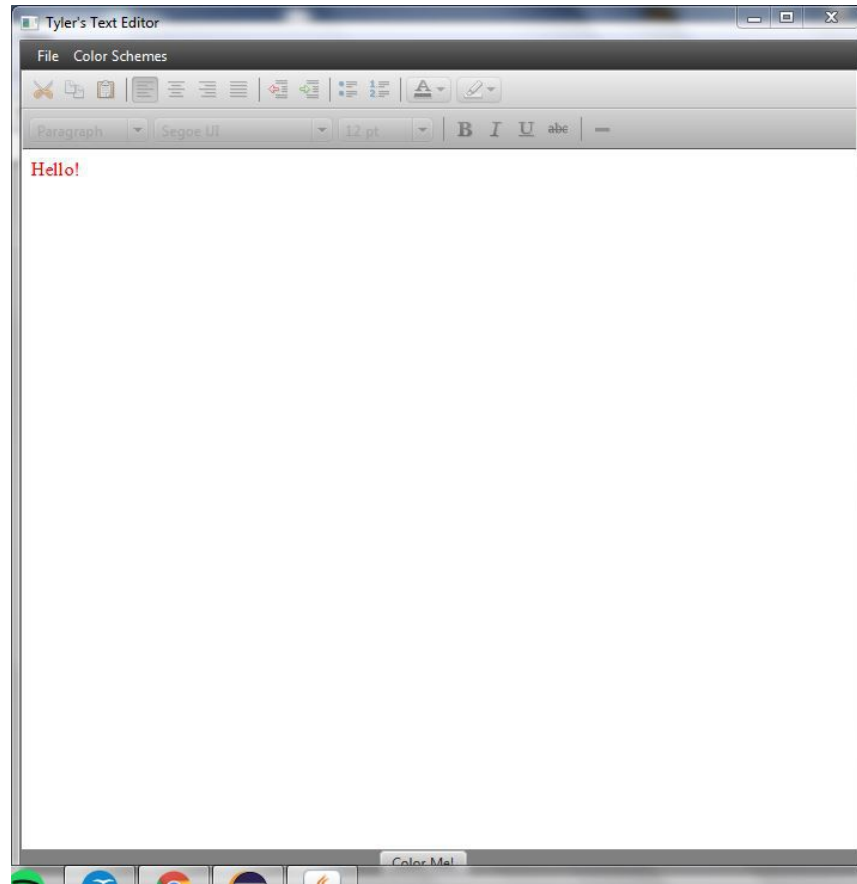
3) Opening the Color Scheme menu will show you these options:



- The “Normal” option is the default color scheme: white background with black text.
- The “Night” option will change the background to black and the text to white.

4) The editor is a rich-text editor with many style capabilities. However, once hitting the “Color Me!” button on the bottom, all of that styling will be removed and the text will be colored. Let's see an example:





5) As you can see, the text is colored to red! While the DFA for the language coincides with the grammar and should produce different colors for the different parts of our language, right now everything will be colored red as an error.