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### Written Response - Java GUI

Over the past week my partner and I were at a struggle against time and a new language in order to create a small notepad application using Java GUI. During development my partner focused on smaller subjects such as font type (bold, italics, and plain) whereas I focused on integrating a menu that allows the user to select different fonts.

When creating the font list I first setup a JMenuBar that would include every option that would affect the JTextArea, including drop downs that changed font color, type, and allow different fonts. The main difficulties started to arise when creating the action listeners responsible for changing fonts. Each option changed much more than the font itself, in order for the code to work a size and type such as italics or bold must be set to the font. This caused an issue where the user would change their font but would reset their text to plain if they selected italics or bold. In order to resolve this we changed the code in the italics and bold selections that would make it so that there wouldn't be changes to the font other than bold or italics. To do so, font() was removed from the string and replaced with just two quotations "". I didn't think this would work at first but when tested bold or italics did not change the font type to serif or dialog.