

CET 350 Technical Computing Using Java

Optional Group Program Menu Application (this program will replace the lowest program from programs 1 through 5)

Using an IDE, write a java application that will contain a textarea to act as an editor. The application will be an operating window. Include a menu with the following features:"

```
FILE
    NEW
        DOCUMENT (Ctrl-D)
    OPEN (Ctrl-O)
    SAVE (Ctrl-S)
    SAVE AS
    QUIT
TEXT
    SIZE
        9
        10
        11
        12
        13
        14
    STYLE
        BOLD (Ctrl-B)
        ITALIC (Ctrl-I)
        BOLD-ITALIC
        PLAIN
FONT
    TimesNewRoman
    Courier
    SansSerif
    Helvetica
EDIT
    COPY (Ctrl-C)
    CUT (Ctrl-X)
    PASTE (Ctrl-V)
    DELETE
```

The user can use the textarea to type text, insert text, select portions of text, and perform the TEXT and EDIT options above. TEXT features will be applied to the entire textarea and can not be applied only to parts of the textarea. The FILE features will start a new textarea, save the existing textarea, providing it has a file name, save the text area with a specified file name, and open a specified file. Use the window file program to facilitate the FILE features. All features contained in the menu will function via the menu or the short cut keys.

Supply the Java source code.

At the top of the program, place a comment header containing:

- a. Your name(s)
- b. CET 350
- c. Group number
- d. Your e-mail address.

Name your program Optional.java

Properly comment the program.

Only turn in a program that will compile without errors. A program that has compile errors will be returned un-checked.

Late points will continue to accumulate until a program is turned in that compiles without errors.