

Lab02 - Quote Generator

Due: Fri Apr 11, 2014

Please create a random quote generator and a GUI to play with it.

Concepts in Lab 02 include:

- ❑ Chapter 11 - interface, abstract class
- ❑ Chapter 13 - menubar, menu, menu item, color chooser
- ❑ And probably, `BufferedReader.readLine()` and `ArrayList`.

QuoteGenerator

Here's some code for you:

- [QuoteGenerator.java](#) - the interface
- [QuoteGeneratorAbs.java](#) - an abstract class, implements the random quote gen method
- [ProfBillQuotes.java](#) - my class for you to use for a while

My quotes class will get you started. Please implement your own QuoteGenerator that reads a file of quotes, one per line. Here's an example file I made for you:

- ❖ [forbes_inspirational_quotes.txt](#)

All those files are on the k: drive as well.

The GUI

Your GUI should include:

- A text window showing the current quote
- A menu bar
- With Menus: Lab02 (or QuoteGen or whatever), Format, Quote
- Lab02/About menu item: Display a text box proclaiming your authorship of Lab02
- Lab02/Exit menu item: exit the program
- Format/Font menu item: Allow user to change the font of the quote
- Format/Color menu item: Allow user change the color of the quote
- Quote/Random menu item: Show a new random quote
- Quote/Select menu item: Select a quote by number
- Quote/Info menu item: Show the number of quotes and their source description

One requirement: Our text loves the "is-a" inheritance relationship between an app and JFrame. Please create your app with a "has-a" composition relationship with its JFrame.

Thanks, Bill

PS - Wednesday twist? We'll see. Probably not though. We've got to play some Rogue!