

## Discussion Questions for “Swing Components”

1. Looking at the GUI on the first page of the lecture notes, can you identify what are probably the specific components on that screen? (Some are labeled on page 4 of the notes, but what about the others?)
2. Since JComponent inherits the old AWT “Component” class, and the component class has a “setSize” method, why does JComponent also have a “setMaximumSize” and “setMinimumSize” method? (Note, there is also a “setPreferredSize” method.) Why is it useful to have so many different size methods for a single component?
3. When you resize a component that contains text, does the text size change? Should it? How can you resize a font? (Think of how that font is rendered.)
4. Do all characters in a specific font have the same height? Do all characters have the same width? Discuss the advantages and disadvantages in having characters with equal or different heights and widths.
5. Are there any widgets other than the standard ones presented that you might want to use in a GUI? If so, what would that widget look like, and what features would it have?