Peter Kirkpatrick

November 14, 2008

CS 110 Assignment 3

Question # 2a: compareString

**Problem Definition**

Design and implement a GUI program to compare two strings and display the larger one.

**Problem Analysis**

-Inputs

* a string, (str1)
* another string, (str2)

-Outputs

* the larger of the two string

-Relate I/O

* if str1 is larger than str2; display str1
* if str2 is larger than str1; display str2

-Other Constraints

* must use GUI

**Algorithm Design**

-Get Inputs

-Process Inputs

-Display Outputs

**Step-Wise Refinement**

-Get Inputs

* a string, (str1)
* another string, (str2)

-Process Inputs

* Determine which string is larger
  + If(str1 > str2)

Display str1

Else

Display str2

-Display Outputs

* Display the larger of the two strings

-Desk Checking

Assumed Inputs:

str1 = aaaa str2 = bbbb

str1 ! = str2

display str2