Lab Report

*greathousee-connc-L2*

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**Initial Design Plan**

//Greets the user then asks for the number of possible answers

//Checks to make sure the possible answer is a 4 || 5

//Calls the function histo

// over load histo

//histo asks the user how many “a”s, “b”s, “c”s, “d”s, (and “e”s).

// histo then calls a function that determines the maximum and creates a histrogram.

**Summary**

The initial design plan was written down early in the process of designing the program. Soon after writing the code down, it was implanted onto the codeblocks. It was difficult at first to design at the histogram without using the max function. However, after receiving help from Chad Peruggia, and Cody Aldridge, my direction quickly changed to a better looking code. The overall time spent on the program is approximately 4 hours. The final result proved splendid, as the program meets all the requirements of the assignment. The program designs histograms based on 4 or 5 possible answers to a question. The resulting histogram displays the frequency of the correct answer, useful to for test makers to determine a “distracter.”

**Implementations**

* The usage of the max function
* Understanding overloading
* Remove all bugs

**Testing**

* 3- a number less than 3 will return 0
* 6- a number greater than 5 will return 0
* J- entering a letter causes a glitch in the program

**Files**

* Greathousee-connc-L2

**Errors**

* Could not overcome removing the bug in which entering a letter for the number of possible solutions outputs an infinite loop.

**Comments**

This lab was challenging, but after receiving multiple help from several TA’s (including Chad Peruggia, Cody Aldridge, and Suzzanne Dazo) my partner and I were able to create a beautiful program that makes beautiful histograms.