

## Unit 8 Assignment

### Directions:

Please complete the following assignment to signify your completion of Unit 8. All programming projects need to be completed and submitted electronically, following the Electronic Submission Guidelines discussed in class.

### Background:

The purpose of this assignment is to get practice working with hashes. Hashes are very powerful ways of keeping track of information. The programming project below will ask you to learn some of these new capabilities.

### Project 1: Histogram

Create a Ruby program which reads a string of information and uses a Hash to keep track of letter frequencies and then displays a Histogram using this frequency information.

IN ORDER TO RECEIVE FULL CREDIT, YOUR CODE SHOULD PROPERLY PROCESS THE STRING INFORMATION, COUNTING FREQUENCIES BY USING A HASH.

A number of different program dialogues describe the program I am looking for.

Enter Data: *supercalifragilisticexpialadocious*

A - 4 - \*\*\*\*  
C - 3 - \*\*\*  
D - 1 - \*  
E - 2 - \*\*  
F - 1 - \*  
G - 1 - \*  
I - 6 - \*\*\*\*\*  
L - 3 - \*\*\*  
O - 2 - \*\*  
P - 2 - \*\*  
R - 2 - \*\*  
S - 3 - \*\*\*  
T - 1 - \*  
U - 2 - \*\*  
X - 1 - \*