ISC-3313-1: Assignment 4

Due date: Tuesday November 16th
Delivery: email to beerli@fsu.edu or beerli@me.com
Subjectline: [ISC-3313] Assignment 4

Write an outline of your capstone project

Define an area of investigation for your project. The magnitude of the project should be about 2-4 times that of a standard assignment (for example assignment 2 or 3). The project will need considerably more text than the older assignments. I also expect that you write new classes and/or new methods to achieve results. These results need to be discussed, I also expect that you show citations if you need them. Work from the following outline, the chapters do not need to have the titles I chose but should contain content that fit into such categories. The following outline is for this assignment. Material in brackets should be added for the final project.

1. Title: Be concise (For example: Was Shakespeare one or multiple people)

2. Introduction: Describe the problem and why you are interested, check whether others have solve a similar problem (I suggest this order: Google, Google Scholar, Library). If you cite other work, cite their publications and try to avoid simply stating websites. (for example: compare the word usage of all Shakespeare pieces, because it is unclear whether all were written by the same person.)
   Tasks need to do:
   - Get all the texts of all the pieces and make sure only ”Shakespeare” text is in the files
   - Check whether others have done that already, write an introduction to the topic

3. Methods: Develop a plan how to solve the problem, I do not expect Java code but a work order or a list of tasks that need to be accomplished to get the result. Start by using a top-down approach, here a simple tiny example from our counting word example, I expect something like this:

   Develop a program to count the words for each piece
   - Read the textfile
   - Sort the words, and count each unique word
   - Print out a sorted list of the 100 top words

4. Results [Final project: No need to do this yet – because for this you need to have a functioning program]
• Get the top 100 words of all pieces and compare the word usage (here this could be done statistically, but a simple average rank comparison of words that occur in all texts would give an idea whether some text are outliers.

Discussion: [final project]
write a discussion of the results

Literature
: [if you have some citations use this also for the assignment] add the literature list

The capstone projects will be used to demonstrate to the University that a course like is worthy to be declared "computer literacy" improvements, strong projects will help you and to improve the variability of computer literacy classes, most of which are deplorable excel and word classes.

I expect from you for this assignment

1. title
2. introduction: motivation, background on topic
3. method: workorder (very rough pseudocode – sequence of things that have to be done by the program and you)
4. Literature list, if you use other people’s work cite it and give the sources.