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CST213\_Week01\_ShortAssignment\_1b

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**Assignment**

Create an entity bean that reads the content of an external data source (i.e., a text file) and provides information about the data read. Create a text file of at least 100 words, which include at least 5 numbers, peppered throughout the file. Your entity bean will provide the following information about the file:

1. The number of characters
2. The number of words
3. The sum of all numbers

Design the bean as an entity and session and explain which one is a more appropriate choice, and why. Upon making the choice, implement the bean. Create an application that uses the bean and displays the results. Note that this is a server based application.

**Approach to design and implementation**

My approach to this file was difficult. I looked and did research but I could not find a clear understanding of what a entity bean is. I read the book and looked online but I don’t have a clear idea what that is so I made a bean like earlier in the week. I read the text from the file into a text buffer and when through and found the specific information.

I counted all the spaces to find out the number of words in the file. I then removed all od the spaces and found the length to get the character count. Last I removed all characters that where not a number and that found the sum of all the numbers using a for loop.

**See a list of all classes, methods, variables, and beans below.**

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private static int totalWords;

private static int totalCharacters;

private static int totalNumber;

private static String numbers;

private static String textFile;

setTotalWords()

setTotalCharacters()

setNumbers()

setTextFile()

getTotalWords()

getTotalCharacters()

getNumbers()

getTextFile()

printLog()