

CS 212 – Spring 2017 – Project 4

Assigned: 25 April 2017

Due: 9 May 2017

Cutoff: 12 May 2017

1. Use a TreeMap to sort the Words that are to be displayed, as usual, in the right column of the GridLayout. All the code you need is in the PowerPoint on TreeMaps. You will need to create a Comparator for the class Word.
2. Use a Regular Expression to verify that the passed to the constructor of a Word is three letters.

The format of the input file will be the same as Project 1.

Submitting the Project.

You should now have at least the following files to submit for this project:

```
Project4.java
Word.java
WordGUI.java
WordNode.java
WordList.java
UnsortedWordList.java
SortedWordList.java
FileMenuHandler.java
WordComparator.java
IllegalWord212Exception.java
```

Submit a jar file.

Create a jar file called **Project4.jar** and submit and upload it to Blackboard by the due date for full credit.