

## **Homework 7**

**Due November 30, 1:00pm**

**50 points**

**CS 2235**

**Data Structures and Algorithms**

**Dr. Leslie Kerby**

1. Create a program to count and store the word frequency in a document.
  - a. Ignore punctuation and case. Hyphenated words count separately.
  - b. Use a `java.util.HashMap` to store the frequency (values) for each word (keys).
2. Use your program to print out the word frequency in the excerpt by Malala Yousafzai, attached in the file `Malala2013.txt`.
  - a. Do not hard-code the excerpt into your program.
  - b. Print the contents of your `HashMap` in the format  
`<word1>: <count1>`  
`<word2>: <count2>`  
etc...

This may be written without creating additional classes if you so choose.

Demonstrate that your program works. Submit your source code and output screenshots.