Kata 5: Word Cloud - Intographic

Breakdown:

- The word (Key), and value, the proposed font size for the word cloud.
- + The higher the value, the higher the frequency.

Input: "After beating the eggs, Dana read the next ster"
"Add milk and eggs, then add fluor and sugar"

What can be done?

A hash table must not be designed such that "Add" and "add" are different words. In a higher level, it could be to learn words. For example:

hola = ola = holis = quobo =

But we need to down the string first:

- Remove unnecesary whitespaces
- Remove cases HOLA Phola

Furthermone, we can add some word recognition and get rid of articles, prepositions or repetitive words or tokens.

But how?

Steps to follow:

① Clean string: Remove spaces 1
② (hange all to lowercase 1)

// This is done so we can avoid errors on the hash
③ For every token in string: 1
- Insert into hashtable 1
- Set initial size to 12. 1
- If there are previous occurrences, then 1
increase the size of the font.
④ Iterate over the HT to print all Keys and values

Average complexity: O(n)

For this kata, the hash table implementation will be the class' implementation. So, the code added will cornespond to an string tokenizer and the functions needed to "clean" the string.