

### Touchsides Application Points of Improvement

1. Using a List makes the performance of the application really slow as it has to iterate through each item in the list in order to calculate how many times each word appears in the list.
2. This is primarily a lookup operation that would be better suited for a Dictionary as it is a collection comprising of a key-value pair. Key-Value pairs makes it extremely easier to do a lookup and find a value in a collection without having to iterate each element in the collection. You use the key to find an item in a dictionary.
3. The over usage of the if-conditions to exclude special characters not handled in the regular expression also hinders the performance of the application as the compiler has to check each condition and determine whether it evaluates to true or not and do so for every condition proceeding each 'OR' operator.

Output snippet:

```
Most frequent word: 'the' occurred 31714 times.  
Most frequent 7-character word: 'Natasha' occurred 1037 times.  
Highest scoring word(s): 'or' occurred 295 times.
```