Test - .NET Application Developer (C#)

## Introduction

The primary focus of this test is to check your ability on creating readable and efficient code by using C#. We’ll check how well you understand the technical requirements and how well you are able structure and isolate components in your source code.

# Task

Please design and write a function that

takes a very long text as input parameter (as a single string)  
returns the number of words in the text  
additionly returns the number of words of each word-length (e.g. how many words are in the text with 3 letters, how many words with 4 letters etc.)

Notes and Constraints:

Text inside quotes or double quotes is counted as exactly one word  
A ‘word’ is any combination of latin letters without whitespace in between.  
Punctuation marks, slashes, currency signs., non-english letters etc. count as whitespace-separator.  
Combinations of letters and numbers, e.g. “test123”, are not considered as words.  
Exception: Everything inside quoted or double quoted text counts as a single word (excluding first and last quotation mark).

Example:

Please visit our "customer portal" at ​http://www.exocad.com now! This text has 10 words:

words with 1 letter did not occur  
words with 2 letters occured 1 times (words=at)  
words with 3 letters occured 4 times (words=now, our, www, com)  
words with 4 letters occured 1 times: (words=http)  
words with 5 letters occured 1 times: (words=visit)  
words with 6 letters occured 2 times: (words=Please; exocad)  
words with 15 letters occured 1 times: (words=customer portal)

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| info.png | * You can use the free Visual Studio 2017 Community Edition, which is available via <https://www.visualstudio.com/downloads/> * The application can target .NET Framework 4.x, .Net Core or .Net 5/6 * Do not use optional frameworks or API’s that are not part of the .NET Framework * Please use code comments if you want to highlight things for the reviewer |

**Please provide all files necessary to compile and run the project to us within 7 days**