# I Broke My Word – Part 1

## Expected Time: More complicated than looks, got a bit snarled up on unit tests, took 1hr 10 mins

Your organisation has a data warehouse solution which takes in **large** amounts of text from other systems.

As part of this solution they have a class which will check text for certain words or terms and if it finds them log them for a cloud tag type dashboard.

The interface for this class is as follows:

Public interface ITermChecker

{

Int CheckForTerms(string text);

}

Where the input text is the text to be analysed for terms and the returned integer is the number of terms which were found and logged.

There is however a problem with this class as it is simply a wrapper around an API supplied by a 3rd party who limit calls to up to 512 characters only.

Your organisation wants you to write a new implementation of the interface which can accept unlimited text.

You do not have access to the 3rd party API directly but you do have access to the previous implementation of the term checker which can be obtained via dependency injection.

Your new implementation must return the total number of terms found in the input text and in order to capture all terms must not break words across the 512 character limit.