.NET Contest

The following is a small coding exercise. You have to provide a working program that fulfils a number of requirements. The assessment of your answer will be based on fulfilment of functionality requirements and the quality of the implementation.

The basic requirement is to provide a program that can convert text into XML formatted data. The text is to be parsed, broken into sentences.

The program must be able to input text and parse this text into relevant model classes and then be able to convert the structure to XML format.

Note: In output XML file there are no punctuation marks (comma, full stop). You are allowed to use any .NET technology.

Input:

"Mary had a little lamb. Peter called for the wolf, and Aesop came. Cinderella likes shoes."

Output:

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<text>
   <sentence>
        <word>Mary</word>
        <word>had</word>
        <word>a</word>
        <word>little</word>
        <word>lamb</word>
   </sentence>
   <sentence>
        <word>Peter</word>
        <word>called</word>
        <word>for</word>
        <word>the</word>
        <word>wolf</word>
        <word>and</word>
        <word>Aesop</word>
        <word>came</word>
   </sentence>
   <sentence>
        <word>Cinderella</word>
        <word>likes</word>
        <word>shoes</word>
   </sentence>
</text>
```