String Tokenizer

```
using System;
/*
* $Id: StringTokenizer.cs,v 1.4 2006/06/16 10:52:26 psoares33 Exp $
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you should check if
* you aren't using an obsolete version:
* http://www.lowagie.com/iText/
*/

namespace System.util {

// a replacement for the StringTokenizer java class
// it's more or less the same as the one in the GNU classpath
public class StringTokenizer {
private int pos;
private String str;
private int len;
private String delim;
private bool retDelims;

public StringTokenizer(String str) : this(str, ”

f”, false) {
}

public StringTokenizer(String str, String delim) : this(str,
delim, false) {
}

public StringTokenizer(String str, String delim, bool
retDelims) {
len = str.Length;
this.str = str;
this.delim = delim;
this.retDelims = retDelims;
this.pos = 0;
}

public bool HasMoreTokens() {
if (! retDelims) {
```

```
while (pos < len && delim.IndexOf(str[pos]) >= 0)
pos++;
}
return pos < len; } public String NextToken(String delim) {
this.delim = delim; return NextToken(); } public String
NextToken() { if (pos < len && delim.IndexOf(str[pos]) >= 0) {
if (retDelims)
return str.Substring(pos++, 1);
while (++pos < len && delim.IndexOf(str[pos]) >= 0);
}
if (pos < len) { int start = pos; while (++pos < len &&
delim.IndexOf(str[pos]) < 0); return str.Substring(start, pos
- start); } throw new IndexOutOfRangeException(); } public int
CountTokens() { int count = 0; int delimiterCount = 0; bool
tokenFound = false; int tmpPos = pos; while (tmpPos < len) {
if (delim.IndexOf(str[tmpPos++]) >= 0) {
if (tokenFound) {
count++;
tokenFound = false;
}
delimiterCount++;
}
else {
tokenFound = true;
while (tmpPos < len && delim.IndexOf(str[tmpPos]) < 0)
++tmpPos; } } if (tokenFound) count++; return retDelims ?
count + delimiterCount : count; } } } [/csharp]
```