

# WordApplication

**WordApplication** is only available in **WordWriter Enterprise Edition**. (*WordWriter Editions*)

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## Description

[WordApplication](#) is the main class for pure code-based Word document generation (for information about template-based workbook generation, see [WordTemplate](#) ). This class is an engine used to open, create, and write (save to disk or stream to a browser) Word documents. A single instance of `WordApplication` can generate multiple documents.

### C#

```
public sealed class WordApplication
```

### vb.net

```
Public NotInheritable Class WordApplication
```

## Remarks

A generated document is represented by the [Document](#) class.

The `WordApplication` class is in the `SoftArtisans.OfficeWriter.WordWriter` namespace. The class can be referenced as `SoftArtisans.OfficeWriter.WordWriter`. To minimize typing and errors, import the namespace to the `aspx` page, and reference the class as `WordApplication`, without the namespace prefix. If you are coding directly in the `aspx` page, following the `Page` directive, include:

If you are coding in the code-behind page (`.aspx.cs` or `.aspx.vb`), include a `using` or `Imports` statement at the top of the code behind page:

### C#

```
using SoftArtisans.OfficeWriter.WordWriter;
```

### vb.net

```
Imports SoftArtisans.OfficeWriter.WordWriter
```

## Examples

### C#

```
//--- Create an instance of the WordApplication class
WordApplication oWordApplication = new WordApplication();
```

### vb.net

```
'--- Create an instance of the WordApplication class
Dim oWordApplication As New WordApplication()
```

## Properties

Name	Description
<a href="#">AlwaysUseUnicode</a>	Returns a boolean that represents whether or not <code>WordWriter</code> will write all text using unicode. A value of <code>false</code> can result in smaller file sizes but text that is not part of cp1252 (Windows-1252) will be unreadable. This is set to <code>true</code> by default. It is recommended that you should set this to <code>false</code> if it is known that only characters supported by Windows-1252 are in the document, especially when creating large documents.
<a href="#">LicenseKey</a>	Sets or returns the license key used for this instance of <code>WordApplication</code> . This property is mainly used for debugging purposes. For managing your license keys, please use the License Key Manager that is installed with OfficeWriter.
<a href="#">Preserve</a>	Sets or returns a boolean that represents whether or not <code>WordWriter</code> will preserve feature of an existing document that it does not natively support. Setting this to <code>false</code> can result in smaller file sizes, but features that are not natively supported by <code>WordWriter</code> will be stripped out. This is set to <code>true</code> by default.
<a href="#">Version</a>	Returns the exact version of <code>WordWriter</code> . The format of the version string returned is:

## Methods

Name	Description
<a href="#">Create()</a>	Creates and returns a new <code>Document</code> based on the Normal style.
<a href="#">Open(String)</a>	Opens and returns an existing <code>Document</code> from disk.
<a href="#">Open(System.IO.Stream)</a>	Opens and returns an existing <code>Document</code> from the specified <code>Stream</code> .
<a href="#">Open(WordTemplate)</a>	Takes a <code>WordTemplate</code> object representing a template Word file, and opens the file as a <code>Document</code> object.
<a href="#">Save(Document, String)</a>	Writes a <code>Document</code> to a file.

Save(Document, System.IO.Stream)	Writes a <a href="#">Document</a> to a stream in the form of a Microsoft Word document.
Save(Document, System.Web.HttpResponse, String, Boolean)	Streams a <a href="#">Document</a> to an HttpResponse with the option of having it open in the user's web browser. The fileName specified will appear in the browser window. In addition, the content-type to use when streaming the file is specified.
Save(Document, System.Web.HttpResponse, String, Boolean, String)	Streams a <a href="#">Document</a> to an HttpResponse with the option of having it open in the user's web browser. The fileName specified will appear in the browser window. In addition, the content-type to use when streaming the file is specified.
WordApplication()	Creates a new <a href="#">WordApplication</a> object

## Extension Methods

Overload	Description
Open(Microsoft.SharePoint.SPDocumentLibrary, String)	Opens and returns an existing <a href="#">Document</a> from a SharePoint Document Library.
Open(Microsoft.SharePoint.SPListItem, String)	Opens and returns an existing <a href="#">Document</a> from a SharePoint List Item.
Save(Document, Microsoft.SharePoint.SPDocumentLibrary, String, Boolean)	Writes a <a href="#">Document</a> to a file and saves it to a SharePoint Document Library.
Save(Document, Microsoft.SharePoint.SPListItem, String)	Writes a <a href="#">Document</a> to a file and saves it to a SharePoint List Item.