How to: Programmatically Restore Selections After Searches

If you find and replace text in a document, you might want to restore the user's original selection after the search is completed.

Applies to: The information in this topic applies to document-level projects and VSTO add-in projects for Word. For more information, see Features Available by Office Application and Project Type.

The code in the sample procedure makes use of two Range objects. One stores the current Selection, and one sets the entire document to use as a search range.

To restore the user's original selection after a search

1. Create the Range objects for the document and the current selection.

C#

```csharp
        Word.Range start = Application.Selection.Range;
        Word.Range searchArea = Application.ActiveDocument.Range(ref missing, ref
missing);
```

2. Perform the search and replace operation.

C#

```csharp
        searchArea.Find.ClearFormatting();
        searchArea.Find.Text = "find me";

        searchArea.Find.Replacement.ClearFormatting();
        searchArea.Find.Replacement.Text = "Found";

        object replaceAll = Word.WdReplace.wdReplaceAll;

        searchArea.Find.Execute(
            ref missing, ref missing, ref missing, ref missing, ref missing,
            ref missing, ref missing, ref missing, ref missing, ref missing,
            ref replaceAll, ref missing, ref missing, ref missing, ref missing);
```

3. Select the start range to restore the user's original selection.

C#

```
                        start.Select();
```

The following example shows the complete method.

Example

C#

```csharp
        internal void ReplaceRestoreSelection()
        {
            Word.Range start = Application.Selection.Range;
            Word.Range searchArea = Application.ActiveDocument.Range(ref missing, ref missing);

            searchArea.Find.ClearFormatting();
            searchArea.Find.Text = "find me";

            searchArea.Find.Replacement.ClearFormatting();
            searchArea.Find.Replacement.Text = "Found";

            object replaceAll = Word.WdReplace.wdReplaceAll;

            searchArea.Find.Execute(
                ref missing, ref missing, ref missing, ref missing, ref missing,
                ref missing, ref missing, ref missing, ref missing, ref missing,
                ref replaceAll, ref missing, ref missing, ref missing, ref missing);

            start.Select();
        }
```

See Also

How to: Programmatically Search for and Replace Text in Documents
How to: Programmatically Set Search Options in Word
How to: Programmatically Loop Through Found Items in Documents
Optional Parameters in Office Solutions

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