Microsoft® Visual Studio® 2010

Microsoft® Visual Basic® Default Key Bindings

Editing

Command	Key Binding	Description
Toggle All Outlining	CTRL + M, CTRL + L	Toggles all existing regions between collapsed and expanded states. (Edit.ToggleAllOutlining)
Hide Selection	CTRL + M, CTRL + H	Collapses current selection to an outlining region.
Comment and Uncomment	CTRL + K, CTRL + C and CTRL + K, CTRL + U	Inserts and removes, respectively, the apostrophe (') at the beginning of the current line or every selected line. (Edit.CommentSelection and Edit.UncommentSelection)
Undo	CTRL + Z	Undoes the last action. (Edit.Undo)
Redo	CTRL + SHIFT + Z	Redoes the last action. (Edit.Redo)
Cut Line	CTRL + Y	Cuts the current line of code. (Edit.LineCut)
Insert Blank Line	CTRL + ENTER and CTRL + SHIFT + ENTER	Inserts a blank line above or below, respectively, the line containing the caret. (Edit.LineOpenAbove and Edit.LineOpenBelow)
Select Word	CTRL + SHIFT + W	Selects the word containing, or to the right of, the insertion point. (Edit.SelectCurrentWord)
Delete Word	CTRL + BACKSPACE and CTRL + DELETE	Deletes to the beginning and end of the word, respectively. (Edit.WordDeleteToStart and Edit.WordDeleteToEnd)
Change Casing	CTRL + U and CTRL + SHIFT + U	Changes the selected text to lowercase and uppercase characters, respectively. (Edit.MakeLowercase and Edit.MakeUppercase)
Replace	CTRL + H and CTRL + SHIFT + H	Displays the Quick Replace tab and the Replace in Files tab, respectively, of the Find and Replace dialog box. (Edit.Replace and Edit.ReplaceInFiles)
Extend Selection	SHIFT + UP ARROW and SHIFT + DOWN + ARROW	Moves the caret one line up or down, respectively, extending the line selection. (Edit.LineUpExtend and Edit.LineDownExtend)
Format Code	CTRL + K, CTRL + D and CTRL + K, CTRL + F	Formats the current document or selection, respectively. (Edit.FormatDocument and Edit.FormatSelection)
Display Smart Tag	CTRL + PERIOD (.) or SHIFT + ALT + F10	Displays the available options on the Smart Tag menu. (View.ShowSmartTag)
Help	F1	Displays a topic from Help that corresponds to the current user inter-face element or to the code item or error message selected. (Help.F1Help)
Toggle Completion Mode	CTRL + ALT + SPACEBAR	Toggles between suggestion mode (all commit characters except for tab leave entered text as-is, tab chooses a completion item in the list) and completion mode.
<Direction> Extend Column	SHIFT + ALT + <ARROW KEY>	Creates a box selection instead of a stream selection.

Navigation

Command	Key Binding	Description
Edit.NavigateTo	CTRL + COMMA (,)	Displays the NavigateTo window, which allows quick navigation to files, types, and members. The word at the caret seeds the search.
Go to Definition	F12 or SHIFT + F2	Moves to the code declaration for the selected symbol. (Edit.GoToDefinition)
Navigate Backward	CTRL + SHIFT + F2 or CTRL + HYPHEN (-)	Moves to the previously browsed line of code. (View.NavigateBackward)
Navigate Forward	CTRL + SHIFT + HYPHEN (-)	Moves to the next browsed line of code. (View.NavigateForward)
Previous Method or Type	CTRL + UP ARROW or CTRL + PAGE UP	Moves to the previous method or type in the document. (Edit.PreviousMethod)
Next Method or Type	CTRL + DOWN ARROW or CTRL + PAGE DOWN	Moves to the next method or type in the document. (Edit.NextMethod)
Previous and Next Word	CTRL + LEFT ARROW and CTRL + RIGHT ARROW	Moves the insertion point left or right one word, respectively. (Edit.WordPrevious and Edit.WordNext)
IDE Navigator	CTRL + TAB	Displays the IDE Navigator, with the first document window selected. The IDE Navigator functions similarly to the Windows Navigator (ALT+SHIFT+TAB), only it is for files and tool windows within Visual Studio. (Window.NextDocumentWindowNav)
View All Open Documents	CTRL + ALT + DOWN ARROW	Displays a pop-up listing of all open documents. (Window.ShowEzMDIFileList)
View Code	F7	Displays the selected item in Code view of the Editor. (View.ViewCode)
View Designer	SHIFT + F7	Displays the selected item in Design view of the Editor. (View.ViewDesigner)
View Document Outline	CTRL + ALT + T	Displays the Document Outline window. Particularly useful in the Form Designer and HTML Designer. (View.DocumentOutline)
Add or Remove Bookmark	CTRL + K, CTRL + K	Sets or removes a bookmark at the current line. (Edit.ToggleBookmark)
Navigate Bookmarks	CTRL + K, N and CTRL + K, P	Moves to the next or previous bookmark, respectively. (Edit.NextBookmark and Edit.PreviousBookmark)
Delete All Bookmarks	CTRL + K, CTRL + L	Deletes all bookmarks. (Edit.ClearBookmarks)
Next Highlighted Reference, Previous Highlighted Reference	CTRL + SHIFT + DOWN ARROW and CTRL + SHIFT + UP ARROW	Moves the caret to the next or previous highlighted identifier matching the current one.

Search

Command	Key Binding	Description
Find Symbol	ALT + F12	Displays the Find Symbol dialog box. (Edit.FindSymbol)
Find All References	ALT + F2	Displays a list of all references for the symbol selected. (Edit.FindAllReferences)
Next and Previous Search Result	F3 and SHIFT + F3	Finds the next and previous occurrence, respectively, of the text from the most recent search. (Edit.FindNext and Edit.FindPrevious)
Next and Previous Selected	CTRL + F3 and CTRL + SHIFT + F3	Finds the next and previous occurrence, respectively, of the currently selected text or the word at the insertion point. (Edit.FindNextSelected and Edit.FindPreviousSelected)
Incremental Search	ALT + I and ALT + SHIFT + I	Activates incremental search in the forward and reverse direction, respectively. If no input is passed, the previous search query is used. (Edit.IncrementalSearch and Edit.ReverseIncrementalSearch)
Stop Search	ALT + F3, S	Halts the current Find in Files operation. (Edit.StopSearch)

Windows

Command	Key Binding	Description
Navigation Bar	CTRL + F2	Moves focus to the drop-down bar located at the top of the Code Editor. (Window.MoveToNavigationBar)
Object Browser	F2	Displays the Object Browser.
Properties Window	F4	Displays the Properties window for the currently selected item. (View.PropertiesWindow)
Solution Explorer	CTRL + R	Displays Solution Explorer. (View.SolutionExplorer)
View Server Explorer	CTRL + ALT + S	Displays Server Explorer. (View.ServerExplorer)
Show Data Sources	SHIFT + ALT + D	Displays the Data Sources window. (Data.ShowDataSources)
Toolbox	CTRL + ALT + X	Displays the Toolbox. (View.Toolbox)
Error List	CTRL + \, E	Displays the Error List window. (View.ErrorList)
Close Tool Window	SHIFT + ESC	Closes the current tool window. (Window.CloseToolWindow)
Close Document Window	CTRL + F4	Closes the current tab. (Window.CloseDocumentWindow)
Zoom In, Zoom Out	CTRL + SHIFT + PERIOD (.) and CTRL + SHIFT + COMMA (,)	Increases (>) or decreases (<) the size of contents in the editor.

Debugging

Start Debugging	**F5**	Starts the application in the debugger. When in Break mode, invoking this command runs the application until the next breakpoint. *(Debug.Start)*
Start Without Debugging	**CTRL + F5**	Starts the application without invoking the debugger. This is used exclusively rather than F5 for Web site debugging. *(Debug.StartWithoutDebugging)*
Step Into	**F8** or **F11**	Executes code one statement at a time, following execution into method calls. *(Debug.StepInto)*
Step Into Specific	**SHIFT + ALT + F11**	Prompts to select which sub expression to step into, regardless of the tools options setting for skipping properties and operators.
Step Out	**CTRL + SHIFT + F8** or **SHIFT + F11**	Executes the remaining lines of the method in which the current execution point is located. *(Debug.StepOut)*
Step Over	**SHIFT + F8** or **F10**	Executes the next line of code, but does not follow execution into any method calls. *(Debug.StepOver)*
Stop Debugging	**CTRL + ALT + BREAK**	Stops running the current application in the debugger. *(Debug.StopDebugging)*
Toggle Breakpoint	**F9**	Sets or removes a breakpoint at the current line. *(Debug.ToggleBreakpoint)*
Set Next Statement	**CTRL + F9**	Sets the execution point to the line of code you choose. *(Debug.SetNextStatement)*
Break at a Function	**CTRL + B**	Displays the New Breakpoint window. *(Debug.BreakatFunction)*
Attach to Process	**CTRL + ALT + P**	Displays the Attach to Process dialog box. *(Tools.AttachToProcess)*
Make Datatip Transparent	**CTRL**	Hides the current datatip so that you can see the code beneath. Must be invoked while a datatip is active.
Immediate Window	**CTRL + G**	Displays the Immediate window. *(Debug.Immediate)*
Call Stack Window	**CTRL + L**	Displays the Call Stack window. *(Debug.CallStack)*
QuickWatch Window	**SHIFT + F9**	Displays the QuickWatch dialog box. *(Debug.QuickWatch)*
Run Tests in Current Context	**CTRL + R, T**	Runs the unit test containing the caret.
Run All Tests in Solution	**CTRL + R, A**	Runs all of the unit tests in the solution.

Build

Build Solution	**CTRL + SHIFT + B**	Builds all the projects in the solution. *(Build.BuildSolution)*

Refactoring

CodeRush Xpress is a free plug-in from Developer Express Inc., in partnership with Microsoft. CodeRush Xpress supports more than 50 refactoring features. See **www.devexpress.com/Products/Visual_Studio_Add-in/CodeRushX/** for more information.

Refactor!	**CTRL + BACKQUOTE (`)**	Invokes available Developer Express Inc. refactorings.

File

New Project	**CTRL + N** or **CTRL + SHIFT + N**	Displays the **New Project** dialog box. *(File.NewProject)*
Open Project	**CTRL + O** or **CTRL + SHIFT + O**	Displays the **Open Project** dialog box. *(File.OpenProject)*
Add New Item	**CTRL + SHIFT + A**	Displays the **Add New Item** dialog box. *(Project.AddNewItem)*
Add Existing Item	**CTRL + D**	Displays the **Add Existing Item** dialog box. *(Project.AddExistingItem)*

Snippets

You can use Code Snippets Manager on the Tools menu to find the snippet shortcuts for the "Insert Snippet from Shortcut" commands listed below. You can also customize snippet shortcuts by editing the Shortcut tag of the snippet XML files. The Code Snippet Editor for Visual Basic 2010 is a free application that you can download to help do this. See **go.microsoft.com/fwlink/?LinkId=75013** for more information.

Insert Snippet	**Type "?"** and **press TAB**	Displays the Code Snippet Picker in the **Code Editor**. The selected code snippet is then inserted at the caret position. *(Edit.InsertSnippet)*
Insert Snippet from Shortcut	**Type the *snippet shortcut*** and **press TAB**	Inserts the expanded code snippet. *(Edit.InvokeSnippetFromShortcut)*
Insert Property Snippet	**Type "property"** and **press TAB**	Inserts a Property snippet. *(Example of Edit.InvokeSnippetFromShortcut)*
Insert For Snippet	**Type "for"** and **press TAB**	Inserts a For...Next snippet. *(Example of Edit.InvokeSnippetFromShortcut)*
List Snippet Shortcuts	**Type the *snippet shortcut* prefix,** **type "?"** and **press TAB**	Displays the Code Snippet Shortcut Picker. The shortcut in the list, which most closely matches the prefix, is selected.
List Snippet Replacements	**CTRL + SPACEBAR**	Invokes an IntelliSense completion list for the currently selected snippet replacement.
Escape Replacement Selection	**ESC**	Deselects the current text. A second ESC deselects the replacement. Can be useful when you want to type at the end of a replacement without extending its bounds.

IntelliSense

Make IntelliSense Transparent	**CTRL**	Hides the current IntelliSense® window so that you can see the code beneath. Must be invoked while IntelliSense is active.
Display a Filtered List	**CTRL + J**	Displays the IntelliSense completion list for the current caret position. *(Edit.ListMembers)*
Display the Global List or Complete a Word	**CTRL + SPACEBAR**	If invoked while no list is active, displays the IntelliSense completion list for the current caret position. If a substring has already been typed and there is an exact match in the list, completes the word without invoking the list. If invoked while a filtered list is active, switches to the global list. *(Edit.CompleteWord)*
Common Tab	**ALT + COMMA (,)**	Decreases the filter level of the active IntelliSense list to the **Common** tab.
All Tab	**ALT + PERIOD (.)**	Increases the filter level of the active IntelliSense list to the **All** tab.
Navigate Up	**CTRL + PAGE UP**	Navigates to the first item in the IntelliSense completion list.
Navigate Down	**CTRL + PAGE DOWN**	Navigates to the last item in the IntelliSense completion list.
Commit an Item	**TAB** or **SPACEBAR** or **ENTER**	Inserts the currently selected item in the list. The following characters can also be used to commit: { } ( ) . , : ; + - * / ^ ! = < > \
Escape the List	**ESC**	Closes the IntelliSense completion list. This can be useful if you want to prevent the currently selected item from being inserted.

Notes: This document contains the keyboard shortcuts that are set by default when you use the Visual Basic Development Settings. To reset the Visual Basic Development Settings, go to **Tools | Options**, select **Show All Settings**, and then select **Environment | Keyboard**. Select the Visual Basic 6 keyboard mapping scheme from the drop-down menu and press **OK**.

You can also customize individual command shortcuts yourself. To do so, go to **Tools | Options**, select **Show All Settings**, and then select **Environment | Keyboard**. To edit a shortcut, locate the command name in the dialog box and then assign a shortcut key. Command names for the commands included here are in parentheses.

For a complete list of commands along with their keyboard shortcuts and detailed descriptions, see **go.microsoft.com/fwlink/?LinkId=74687**.

Microsoft®