Microsoft® Visual C#® Default Key Bindings

Editing

Edit.CollapseTo-Definitions	**CTRL + M, O**	Collapses declaration bodies to provide a high-level view of the types and members in the source file.
Edit.HideSelection	**CTRL + M, CTRL + H**	Collapses current selection to an outlining region.
Edit.ToggleAll-Outlining	**CTRL + M, L**	Toggles all previously collapsed outlining regions between collapsed and expanded states.
Edit.Toggle-OutliningExpansion	**CTRL + M, M**	Toggles the currently selected collapsed region between the collapsed and expanded state.
Edit.StopOutlining	**CTRL + M, P**	Removes all outlining information from the whole document.
Edit.Comment-Selection	**CTRL + K, C** or **CTRL + E, C**	Inserts // at the beginning of the current line or every line of the current selection.
Edit.Uncomment-Selection	**CTRL + K, U** or **CTRL + E, U**	Removes the // at the beginning of the current line or every line of the current selection.
Edit.Format-Document	**CTRL + K, D** or **CTRL + E, D**	Formats the current document according to the indentation and code formatting settings specified on the **Formatting** pane under **Tools	Options	Text Editor	C#**.
Edit.Format-Selection	**CTRL + K, F** or **CTRL + E, F**	Formats the current selection according to the indentation and code formatting settings specified on the **Formatting** pane under **Tools	Options	Text Editor	C#**.
Edit.InsertSnippet	**CTRL + K, X**	Displays the Code Snippet Picker. The selected code snippet will be inserted at the caret position.
Edit.SurroundWith	**CTRL + K, S**	Displays the Code Snippet Picker. The selected code snippet will be wrapped around the selected text.
Edit.InvokeSnippet-FromShortcut	**TAB**	Inserts the expanded code snippet from the shortcut name.
Edit.Cycle-ClipboardRing	**CTRL + SHIFT + V**	Pastes text from the Clipboard ring to the caret location in the file. Subsequent use of the shortcut key iterates through the items in the Clipboard ring.
Edit.Replace	**CTRL + H**	Displays the replace options in the **Quick Replace** tab of the **Find and Replace** dialog box.
Edit.ReplaceInFiles	**CTRL + SHIFT + H**	Displays the replace options on the **Replace in Files** tab of the **Find and Replace** dialog box.
View.Show-SmartTag	**CTRL + PERIOD (.)** or **SHIFT + ALT + F10**	Displays the available options on the Smart Tag menu.

Edit.Toggle-CompletionMode	**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.
Edit.<Direction>ExtendColumn	**SHIFT + ALT + <ARROW KEY>**	Creates a box selection instead of a stream selection.

File

File.NewProject	**CTRL + SHIFT + N**	Displays the **New Project** dialog box.
File.OpenProject	**CTRL + SHIFT + O**	Displays the **Open Project** dialog box, where existing projects can be added to the solution.
Project.AddClass	**SHIFT + ALT + C**	Displays the **Add New Item** dialog box and selects Class template as default.
Project.Add-ExistingItem	**SHIFT + ALT + A**	Displays the **Add Existing Item** dialog box, where existing files can be added to the current project.
Project.Add-NewItem	**CTRL + SHIFT + A**	Displays the **Add New Item** dialog box, where a new file can be added to the current project.
Window.ShowEz-MDIFileList	**CTRL + ALT + DOWN ARROW**	Displays a pop-up listing of all open documents.

IntelliSense

Edit.CompleteWord	**CTRL + SPACEBAR** or **CTRL + K, W**	Completes the current word in the completion list.
Edit.ListMembers	**CTRL + J** or **CTRL + K, L**	Invokes the IntelliSense® completion list.
Edit.QuickInfo	**CTRL + K, I**	Displays the complete declaration for the specified identifier in your code in a Quick Info tooltip.
Edit.ParameterInfo	**CTRL + SHIFT + SPACEBAR** or **CTRL K, P**	Displays the name, number, and type of parameters required for the specified method.
Make Completion List Transparent	**CTRL**	Causes a visible completion list to become transparent.

Navigation

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.
Edit.FindAll-References	**SHIFT + F12** or **CTRL + K, R**	Displays a list of all references for the symbol selected.
Edit.GoToBrace	**CTRL +]**	Moves the caret location to the matching brace in the source file.

Edit.GoToDefinition	**F12**	Navigates to the declaration for the selected symbol in code.
Edit.GoToNext-Location	**F8**	Moves the caret to the next item, such as a task in the **Task List** window or a search match in the **Find Results** window. Subsequent invocations will move to the next item in the list.
Edit.Incremental-Search	**CTRL + I**	Activates incremental search. If incremental search is on, but no input is passed, the previous search query is used. If search input has been found, next invocation searches for the next occurrence of the input text.
Edit.FindNext, Edit.FindPrevious	**F3** and **SHIFT + F3**	Searches again for the last search pattern in the direction specified.
Edit.FindNext-Selected, Edit.FindPrevious-Selected	**CTRL + F3** and **CTRL + SHIFT + F3**	Sets the search pattern to the selected text, then search in the direction specified.
View.Forward-BrowseContext	**CTRL + SHIFT + 7**	Moves to the next item called in code in the current file. Uses the Go To Definition navigation stack.
View.PopBrowse-Context	**CTRL + SHIFT + 8**	Moves to the previous item called in code in the current file. Uses the Go To Definition navigation stack.
View.Navigate-Backward	**CTRL + HYPHEN (-)**	Moves to the previously browsed line of code.
View.Navigate-Forward	**CTRL + SHIFT + HYPHEN (-)**	Moves to the next browsed line of code.
Edit.FindInFiles	**CTRL + SHIFT + F**	Displays the **Find in Files** tab of the **Find and Replace** dialog box.
Edit.FindSymbol	**ALT + F12**	Displays the **Find Symbol** pane of the **Find and Replace** dialog box.
View.ViewCode	**F7**	Displays the selected item in **Code** view of the editor.
View.ViewDesigner, View.ViewMarkup	**SHIFT + F7**	Switches between **Design** and **Source** views for the current document
Window.MoveTo-NavigationBar	**CTRL + F2**	Moves focus to the drop-down bar located at the top of the editor when the editor is in **Code** view or **Server Code** view.
Edit.Find	**CTRL + F**	Displays the **Find Quick** tab of the **Find and Replace** dialog box.
Edit.GoTo	**CTRL + G**	Displays the **Go to Line** dialog box.
Edit.GoToFind-Combo	**CTRL + /**	Moves focus to the **Find/Command** box on the **Standard** toolbar.

Command	Shortcut	Description
EditorContext-Menus.Code-Window.ViewCall-Hierarchy	CTRL + K, T	Brings focus to the **Call Hierarchy** window using the member at the caret as a top-level node.
Edit.NextHigh-lightedReference, Edit.PreviousHigh-lightedReference	CTRL + SHIFT + DOWN ARROW and CTRL + SHIFT + UP ARROW	Moves the caret to the next or previous highlighted identifier matching the current one.

Window

Command	Shortcut	Description
View.ClassView	CTRL + W, C	Displays the **Class View** window.
View.Code-DefinitionWindow	CTRL + W, D	Displays the **Code Definition** window.
View.ErrorList	CTRL + W, E	Displays the **Error List** window.
View.ObjectBrowser	CTRL + W, J	Displays the **Object Browser**.
View.Output	CTRL + W, O	Displays the **Output** window, where status messages can be viewed at run time.
View.Properties-Window	CTRL + W, P	Displays the **Properties** window, which lists the design-time properties and events for the currently selected item.
View.Solution-Explorer	CTRL + W, S	Displays **Solution Explorer**, which lists the projects and files in the current solution.
View.TaskList	CTRL + W, T	Displays the **Task List** window, which displays custom tasks, comments, shortcuts, warnings, and error messages.
View.Toolbox	CTRL + W, X	Displays the **Toolbox**, which contains controls that can be included or used with your code.
View.ServerExplorer	CTRL + W, L	Displays **Server Explorer**, which lets you view and manipulate database servers, event logs, message queues, Web services, and other operating system services.
Window.CloseTool-Window	SHIFT + ESC	Closes the current tool window.
Data.ShowData-Sources	SHIFT + ALT + D	Displays the **Data Sources** window.
Window.Close-DocumentWindow	CTRL + F4	Closes the current tab.
Window.NextDocu-mentWindowNav	CTRL + TAB	Displays the **IDE Navigator**, with the first document window selected.
View.CallHierarchy	CTRL + W, K	Displays the **Call Hierarchy** window, which lists callers and callees for a given member.
View.ZoomIn, View.ZoomOut	CTRL + SHIFT + PERIOD (.) and CTRL + SHIFT + COMMA (,)	Increases (>) or decreases (<) the size of contents in the editor.

Debugging

Command	Shortcut	Description
Debug.Autos	CTRL+D, A	Displays the **Autos** window, which displays variables used in the current line of code and the preceding line of code.
Debug.CallStack	CTRL+D, C	Displays the **Call Stack** window, which displays a list of all active methods or stack frames for the current thread of execution.
Debug.Immediate	CTRL+D, I	Displays the **Immediate** window, where expressions can be evaluated.
Debug.Locals	CTRL+D, L	Displays the **Locals** window, which displays the local variables and their values for each method in the current stack frame.
Debug.QuickWatch	CTRL+D, Q	Displays the **QuickWatch** dialog box that has the current value of the selected expression.
Debug.Start	F5	Launches the application under the debugger based on the settings from the startup project. When in Break mode, invoking this command will run the application until the next breakpoint.
Debug.Start-WithoutDebugging	CTRL+F5	Launches the application without invoking the debugger.
Debug.StepInto	F11	Executes code one statement at a time, following execution into method calls.
Debug.Step-IntoSpecific	SHIFT+ALT+F11	Prompts to select which sub expression to step into, regardless of the tools options setting for skipping properties and operators.
Debug.StepOut	SHIFT+F11	Executes the remaining lines of a method in which the current execution point is located.
Debug.StepOver	F10	Executes the next line of code, but does not follow execution through any method calls.
Debug.Stop-Debugging	SHIFT+F5	Stops running the current application under the debugger.
Debug.Toggle-Breakpoint	F9	Sets or removes a breakpoint at the current line.
Debug.Watch	CTRL+D, W	Displays the **Watch** window, which displays the values of selected variables or watch expressions.
Debug.Enable-Breakpoint	CTRL+F9	Toggles the breakpoint between disabled and enabled.
Make Datatip Transparent	[CTRL]	Causes a visible datatip to become transparent.
Test.RunTestsIn-CurrentContext	CTRL+R, T	Runs the unit test containing the caret.
Test.RunAllTests-InSolution	CTRL+R, A	Runs all of the unit tests in the solution.

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.

Command	Shortcut	Description
Refactor.-EncapsulateField	CTRL + R, E	Displays the **Encapsulate Field** dialog box, which allows creation of a property from an existing field and updates all references to use the new property.
Refactor.Extract-Interface	CTRL + R, I	Displays the **Extract Interface** dialog box, which allows creation of a new interface with members derived from an existing class, struct, or interface.
Refactor.Extract-Method	CTRL + R, M	Displays the **Extract Method** dialog box, which allows creation of a new method from the selected code.
Refactor.Remove-Parameters	CTRL + R, V	Displays the **Remove Parameters** dialog box, which allows removal of parameters from methods, indexers, or delegates by changing the declaration at any locations where the member is called.
Refactor.Rename	CTRL + R, R or F2	Displays the **Rename** dialog box, which allows renaming all references for an identifier.
Refactor.Reorder-Parameters	CTRL + R, O	Displays the **Reorder Parameters** dialog box, which allows changes to the order of the parameters for methods, indexers, and delegates.
Refactor!	CTRL + BACKQUOTE (`)	Invokes available Developer Express Inc. refactorings when it is installed.

Build

Command	Shortcut	Description
Build.BuildSolution	F6 or CTRL+SHIFT+B	Builds all the projects in the solution.
Build.BuildSelection	SHIFT+F6	Builds the selected project and its dependencies.

Note: You can choose to use these key bindings from the Visual C# Development Settings. To change these settings, go to **Tools | Import and Export Settings...** and select **Reset All Settings**. Then select **Visual C# Development Settings**. You could also import only the key bindings by selecting **Import Selected Environment Settings** instead of **Reset All Settings**. To customize individual key bindings, go to **Tools | Options | Environment | Keyboard**.

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