

CodeRush Shortcuts

Clipboard*

Feature	Shortcut	Context
Smart Copy	Ctrl+C or Ctrl+Insert	No selection; caret on token
Smart Cut	Ctrl+X or Shift+Delete	No selection; caret on token
Paste Image	Ctrl+V or Shift+Insert	Caret in a comment

*To Show Embedded Images in Source Code, enable **Rich Comments** on the [Editor](#) | [All Languages](#) | [Rich Comments](#) CodeRush Options page.

Defining Selections

Feature	Shortcut	Context
Selection Increase	Num+ or Ctrl+W	Editor has focus
Selection Decrease	Num- or Ctrl+Shift+W	Editor has focus
Select CamelCase Left	Alt+Shift+Left	Editor has focus
Select CamelCase Right	Alt+Shift+Right	Editor has focus
SmartNav Select	Caps+Shift+{Arrow Key}	Caret on token
Multi-Select	Ctrl+Alt+Enter	Editor has focus

Combine these **Nav** keys with **Shift** to select.

Wrapping Selections*

Feature	Shortcut	Context
Comment/Uncomment	/ or ' (VB)	Multi-line selection
Block begin/end	B or Shift+[	Multi-line selection
try/catch	C	Multi-line selection
try/finally	F	Multi-line selection
try/catch/finally	T	Multi-line selection
Parens	Shift+0 or Shift+9	Any selection
Not Parens	Shift+1	Any selection

*Enable in the CodeRush Setup Wizard on the **One-key Selection Embedding** page.

Code Generation & Refactoring*

Feature	Shortcut	Context
Refactor/Declare	Num 0 or Ctrl+.	Editor has focus
Expand Template	Space or Tab	Caret after template
Cycle Scope Up	Alt+Up	At member/type declaration
Cycle Scope Down	Alt+Down	At member/type declaration
Dupl. Line/Selection	Shift+Enter	Editor has focus
Declare Class	Caps+C	On undeclared class
Declare Method	Caps+M	On undeclared method
Declare Property	Caps+P	On undeclared property
Declare Field	Caps+F	On undeclared variable
Declare Local	Caps+L	On unassigned expression
Declare Constant	Caps+Q	On primitive expression
Args Up/Down	Caps+/	On an argument/param list
Delete Unused	Caps+Delete	Editor has focus
Add Code	Caps+Insert	Editor has focus
Toggle Code	Caps+Space	Editor has focus

*Enable **Caps** shortcut bindings in the **Setup Wizard** on the **Caps as a Modifier** page. To learn more: [CodeRush](#) | [Support](#) | [Open Learning CodeRush Solution](#).

Add Code (Caps+Insert)	Context
Add Parameter	In parameter/argument list
Add Missing Constructors	On a class name
Add to Interface	On a new member inside a class that implements an interface

Delete Unused (Caps+Delete)	Context
Redundant Block Delimiters	On unneeded block delimiters
Redundant Constructors	On an empty constructor
Unused Locals	On an unused local variable
Unused Parameters	On an unused parameter
Unused Types	On an unused internal type

Navigation

Feature	Shortcut	Context
Tab to Next Reference	Tab	Caret inside identifier
Tab to Previous Reference	Shift+Tab	Caret inside identifier
Jump to Symbol	Ctrl+Shift+Q or Num Enter	Editor has focus
Jump to File	Ctrl+Alt+F	Available Anywhere
Jump to Everything	Ctrl+Shift+E	Available Anywhere
Jump Menu	Ctrl+Alt+N or Num Del	Editor has focus
Find All References	Shift+F12	Caret on identifier
Drop Marker	Alt+Home	Editor has focus
Collect Marker	Escape or Alt+End	Editor focused; marker dropped
Swap with Top Marker	Alt+Shift+Home	Editor focused; marker dropped
Collect Marker and Paste	Shift+Escape	Editor focused; marker dropped
Camel Case Nav Left	Alt+Left	Caret on CamelCase token
Camel Case Nav Right	Alt+Right	Caret on CamelCase token
SmartNav	Caps+{Arrow Key}	Caret on token
Toggle Bookmark	Ctrl+Alt+{Number}	Editor has focus
Toggle Next Bookmark	Ctrl+Num+	Editor has focus
Go to Recent Bookmark	Ctrl+Num-	Editor has focus

Smart Nav

SmartNav tries to preserve relative caret position or selection as you move among sibling nodes in your code.

Caps Lock

 +

↑

←

↓

→

Combine with the **Shift** key to select at the landing point.

Extended Shortcuts

Enable on the **Numeric Keypad Bindings** page in the CodeRush Setup Wizard to get new extended shortcuts to help you **refactor**, **select**, and **navigate** through your code.

Num Lock

 / * - Selection Decrease
7 8 9 + Selection Increase
4 5 6
1 2 3 Enter Jump to Symbol
0 . Refactor Jump to... (menu)

Debugging

Feature	Shortcut	Context
Toggle Temporary Breakpoint	Alt+F9	Debugging, editor has focus
Step into Member	Ctrl+Shift+F11	Debugging, on member reference
Show Expression Explorer	Alt+Down	Debugging, inside expression
Toggle Debug Visualizer	Ctrl+Alt+D	Debugging, editor has focus
Refresh/Evaluate Expression	Ctrl+R	Debugging, editor has focus

Test Runner

Feature	Shortcut	Context
Run Active Test	Ctrl+T, R	Caret in test method
Debug Active Test	Ctrl+T, D	Caret in test method
Run all tests in File	Ctrl+T, F	Caret in file containing a test class
Run all tests in Solution	Ctrl+T, S	Available anywhere
Repeat Last Test Run	Ctrl+T, L	Available anywhere
Show unit test runner	Ctrl+T, T	Available anywhere

Toggle Code (Caps+Space)	Context
Implicit/Explicit Conversion	On a local variable type or var keyword
Expression Bodies	On get/set keyword, member with expression body, or declaration for a member that can compress to an expression body
Create/Decompose Initializer	On new instantiation with property assignments
Inline Temp	On a temporary variable
Conditional/Ternary/Coalescing	On if keyword, on ternary expressions, or on null coalescing operations
Split/Combine Conditionals	On if keyword or logical operators (&& , , etc.)
Flatten Conditional	On if keyword
Block Delimiters	On brace ({ or }) or start of a child statement
Inline Lambda	On a method reference
Convert to Function	On a statement that returns a value in a void proc
Decompose Parameter	On a parameter with qualified property access

Declare Anything Quickly

Start with the **element** you want to declare.*

Follow the element with the shortcut for the **type** you want to create.



CodeRush Templates

Type these declaration characters on an empty line followed by **Space** or **Tab**. You can set your CodeRush **template expansion key** in the **Setup Wizard**.

Variable
For locals, fields, and parameters.

V +

New Instance

n +

Methods
Use **m** by itself for void procs.

m +

Properties
Use **r** for read-only properties.

p +

Auto-implemented

a +

XPO Properties

xp +

Type Reference

t +

Constants
Works inside a method or class.

q +

Cast
Works on an empty line or before an expression.

C +

*Use **uppercase** letters when you need **static** members.

Creating Types

Type	Char
Class	c
Interface	i
Struct	s
Enum	e
Abstract Class	a
Delegate	d
Exception	x
Constructor	cc

Flow

Statement	Char
ForEach	fe
For	fri
Switch	sw
Break	br
Continue	co

System

Type	Char
Boolean	b
Byte	by
Char	c
DateTime	d8
Decimal	de
Double	d
EventArgs	ea
Exception	x
Guid	g
Int16	sh
Int32	i
Int64	l
IntPtr	ip
Object	o
Single	si
String	s
TimeSpan	ts
Type	ty
UInt32	u

Other Types

Type	Char
{Active Type}	/
{Paste}	\
Regex	rx
StringBuilder	sb

System.Drawing

Type	Char
Bitmap	bt
Brush	br
Color	cl
Font	fn
Graphics	gx
Pen	pn
Point	p
PointF	pf
Rectangle	r
RectangleF	rf
Size	z
SizeF	zf

System.Net

Type	Char
FileWebRequest	fwq
FileWebResponse	fwr
HttpWebRequest	hwq
HttpWebResponse	hwr
WebRequest	wq
WebResponse	wr

System.Data.SqlClient

Type	Char
SqlClientPermission	qcp
SqlCommand	qc
SqlCommandBuilder	qcb
SqlConnection	qn
SqlDataAdapter	qda
SqlDataReader	qdr
SqlParameter	qp
SqlParameterCollection	qpc
SqlTransaction	qt

Microsoft.SharePoint

Type	Char
SPContentType	spct
SPContext.Current.Site	spcs
SPContext.Current.Web	spcw
SPField	spf
SPList	spl
SPListItem	spli
SPSite	sps
SPWeb	spw

System.Windows.Media

Type	Char
Brush	br
Color	cl
FontFamily	ff
HitTestResult	htr
LinearGradientBrush	lgb
Pen	pn
SolidColorBrush	scb
Visual	vi
VisualBrush	vb

System.Data

Type	Char
DataRow	dr
DataRowView	drv
DataSet	ds
DataTable	dt
DataRowView	dv

System.Threading

Type	Char
ManualResetEvent	mre
Monitor	mo
Thread	t

System.IO

Type	Char
StreamReader	sr
StreamWriter	sw

System.Xml

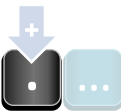
Type	Char
XmlAttribute	xa
XmlComment	xc
XmlDocument	xd
XmlElement	xe
XmlException	xx
XmlNode	xn
XmlSerializer	xs
XmlText	xt
XmlTextReader	xtr
XmlTextWriter	xtw
XmlWriter	xw

System.Windows

Type	Char
FrameworkElement	fe
Point	p
Rect	r
Thickness	th
Size	z
Vector	v
Visual	vi
VisualBrush	vb

Generic Collections [1]

Generic Type	Char
BindingList	bl
Collection	c
Comparer	cmp
EqualityComparer	ec
HashSet	hs
ICollection	ic
IEnumerable	ie
LinkedList	ll
LinkedListNode	lln
List	l
ObservableCollection	oc
Queue	q
ReadOnlyCollection	roc
Stack	k
SortedSet	ss
XPCollection	xcl



Follow these with a "." plus the shortcut for the parameter. For example, "nl.i" creates a new List of integers.

Generic Collections [2]

Generic Type	Char
Dictionary	d
KeyValuePair	kvp
SortedDictionary	sd
SortedList	sl



Follow these with a "." plus the two parameter shortcuts separated by a **comma**. For example, "nd.s,i" creates a **new Dictionary** keyed by **strings** and holding **ints**.

Change or add more type shortcuts on the **Editor | All Languages | Template Name Variables** options page (Language: **Neutral**).

Test Cases

Element/Assert	Shortcut
Test Fixture	t
Test Method	t
Assert.AreEqual	ae
Assert.AreNotEqual	ane
Assert.AreSame	as
Assert.AreNotSame	ans
Assert.IsTrue	at
Assert.IsFalse	af
Assert.IsNull	an
Assert.IsNotNull	ann

Cross-Platform .NET App UI (XAF)

Controller/Action	Char
ViewController	xcv
ViewController for DetailView	xcvd
ViewController for ListView	xcvl
ObjectViewController for DetailView	xcvod
ObjectViewController for ListView	xcvol
WindowController	xcw
SimpleAction	xas
SingleChoiceAction	xac
ParametrizedAction	xap
PopupWindowShowAction	xapw

.NET ORM Library (XPO)

Type/Element	Char
Persistent Class	xc
Persistent Property	xp
Read-only Persistent Property	xr
Associated Property	xpa
Associated Collection	xpcl

Tips

- t, f, & n for **true**, **false** & **null**.
- r, rt, rf, and rn return values.
- {TypeShortcut}.e to get a **.Empty** reference for a struct (like s.e or p.e).