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

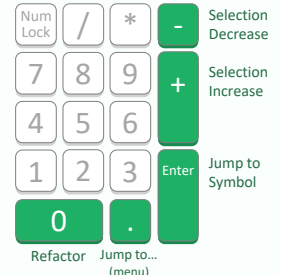| Feature	Shortcut	Context
Tab to Next Reference	**Tab**	Caret inside identifier
Tab to Previous Reference	**Shift+Tab**	Caret inside identifier
Jump to Symbol	**Ctrl+Shift+Q** or **Num Enter**	Editor has focus
Jump to File	**Ctrl+Alt+F**	Available Anywhere
Jump to Everything	**Ctrl+Shift+E**	Available 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.

- Selection Decrease
- Selection Increase
- Jump to Symbol
- 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**.

Elements

Element	Char	Notes
Variable	**v** +	For locals, fields, and parameters.
New Instance	**n** +	
Methods	**m** +	Use **m** by itself for void procs.
Properties	**p** +	Use **r** for read-only properties.
Auto-implemented	**a** +	
XPO Properties	**xp** +	
Type Reference	**t** +	
Constants	**q** +	Works inside a method or class.
Cast	**c** +	Works on an empty line or before an expression.

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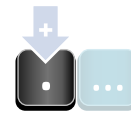
Follow these with a "**.**" plus the shortcut for the parameter. For example, "**nl.i**" creates a new List of integers.

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**).