Visual Studio 2019
Hotkey and Code Snippet Cheat Sheet

Jacobs Data Solutions
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Bold: power/high productivity.
Checked ✓: frequently used.

Editing Commands

`Ctrl+C`	Copy ✓✓	`Ctrl+A`	Select all
`Ctrl+X`	Cut ✓✓	`Ctrl+W`	Select current word
`Ctrl+V`	Paste ✓✓	**`Shift+Alt+.`**	**Highlight next matching item**
`Ctrl+L`	Cut line ✓✓	**`Shift+Alt+;`**	**Highlight all matching items**
`Ctrl+Z`	Undo ✓✓	**`Shift+Alt+=`**	**Expand selection**
`Ctrl+Y`	Redo ✓✓	**`Shift+Alt+-`**	**Contract selection**
`Ctrl+Delete`	Delete to end of word	**`Ctrl+Alt+Click`**	**Multi-caret**
`Ctrl+Backspace`	Delete to beginning of word	**`Shift+Alt+Click`**	**Multi-line caret**
`Shift+Delete`	**Delete current line/leave cursor** ✓✓		
`Ctrl+D`	Duplicate	**`Hold Alt and drag mouse OR Shift+Alt+Arrow keys`**	**Block selection mode**
`Ctrl+Shift+U`	Make uppercase		
`Ctrl+Shift+L`	Make lowercase		
`Ctrl+Shift+V`	View clipboard history		
`Alt+Up Arrow`	**Move line up**		
`Alt+Down Arrow`	**Move line down**		

`Home`	Go to beginning of first code statement on current line ✓✓
`Home,Home`	Go to very beginning of current line ✓✓
`End`	Go to the end of the current line ✓✓
`Ctrl+Home`	Go to beginning of current document
`Ctrl+End`	Go to end of current document
`Ctrl+M,Ctrl+O`	**Collapse to definitions** ✓
`Ctrl+M,Ctrl+L`	Toggle expand/collapse all ✓✓
`Ctrl+M,Ctrl+M`	Toggle expansion (at current scope only)

Navigation

`F12`	Go to definition ✓✓
`Alt+F12`	Peek definition ✓
`Ctrl+Alt+Home`	Promote the peek definition window to a document tab
`Shift+F12`	Find all references
`Ctrl+F12`	Go to implementation ✓✓
`Ctrl+-`	Navigate backward
`Ctrl+Shift+-`	Navigate forward
`Ctrl+Shift+Backspace`	Go to last edit location ✓
`Ctrl+G`	Go to line number
`Esc`	Go back to document window
`Ctrl+F4`	Close current document ✓
`Ctrl+F6`	Next document ✓
`Ctrl+Shift+F6`	Previous document ✓
`Ctrl+Tab`	**Bring up window nav dialog**
`F6`	Go across to next split window pane

Find/Search/Replace

`Ctrl+F`	Find ✓✓
`Ctrl+H`	Find and replace
`F3`	Find next instance/repeat search
`Shift+F3`	Find previous
`Ctrl+F3`	Search for item under cursor
`Alt+R`	Replace next (find/replace dialog)
`Alt+A`	Replace all (find/replace dialog)
`Alt+\``	Alternate context menu in code
`Ctrl+Q`	**Main search menu (find <u>anything</u>)** ✓
`Ctrl+;`	**Search Solution Explorer**
`Ctrl+T`	**Go to all (find recent items)**
(search box syntax)	• **f {file}**
	• **r {recent file}**
	• **t {type}**
	• **m {member}**
	• **# {symbol}**

Formatting/Refactoring

`Ctrl+K,Ctrl+D`	Format document ✓
`Ctrl+K,Ctrl+F`	Format selection
`Ctrl+K,Ctrl+E`	Run Code Cleanup (prof #1)
`Ctrl+.`	Refactor/quick actions menu ✓✓
`Ctrl+K,Ctrl+C`	Comment out selection ✓✓
`Ctrl+K,Ctrl+U`	Uncomment selection ✓✓

Bookmarks

`Ctrl+K,Ctrl+K`	Toggle bookmark
`Ctrl+K,Ctrl+P`	Go to previous bookmark
`Ctrl+K,Ctrl+N`	Go to next bookmark
`Ctrl+K,Ctrl+L`	Clear all bookmarks in all files
`Ctrl+K,Ctrl+W`	Open bookmark window

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Running/Debugging

Ctrl+Shift+B	Build solution ✓✓
F5	Run in debugger ✓✓
Shift+F5	Stop debugging ✓✓
Ctrl+Alt+P	Attach to process
Shift+Alt+P	Reattach to process
F10	Step over ✓✓
F11	Step into ✓✓
Ctrl+F10	**Run to cursor**
Ctrl+Shift+F10	Set next statement
F9	Toggle breakpoint ✓✓
Ctrl+Shift+F9	Delete all breakpoints

Working with Files

Ctrl+Shift+A	Create/add new file to project
Shift+Alt+A	Add existing item to project
Ctrl+S	Save current file ✓✓
Ctrl+Shift+S	Save all files ✓
F2	Rename file ✓
Ctrl+Alt+L	Bring up Solution Explorer
Ctrl+[+S	Highlight/sync the current document in Solution Explorer
Ctrl+N	Create new file (nothing is added to project, will prompt for location when you try to save)

IntelliSense

Ctrl+Space	Bring up IntelliSense window
Ctrl+Shift+Space	Show currently used overload for a method in IntelliSense
Ctrl+Alt+Space	Toggle between completion mode and suggestion mode
Hold Ctrl	Make IntelliSense window fade
Ctrl+I	Get quick info for a member

Filter items (w/ I.S. window open)

Alt+T	Snippets
Alt+C	Classes
Alt+D	Delegates
Alt+L	Locals and parameters
Alt+S	Structures
Alt+K	Keywords
Alt+E	Enums
Alt+N	Namespaces
Alt+M	Methods
Alt+X	Extension methods
Alt+I	Interfaces

Code Snippets

Type <shortcut>,Tab,Tab	Insert Expansion snippet
Ctrl+K,Ctrl+X	Open snippets dropdown
Ctrl+K,Ctrl+B	Bring up Code Snippets Manager
Ctrl+K,Ctrl+S	**Surround selected code with snippet**

Other

Esc	Cancels out of pretty much everything

Power Combos / Productivity Patterns

- Rapidly add files to your solution
    - Enable "Track Active Item in Solution Explorer" under Tools->Options->Projects and Solutions->General
    - Ctrl+Shift+A - Add a file
    - Alt+N - Rename file (without needing to move your mouse around)
- Quickly show/hide Solution Explorer
    - Ctrl+Alt+L - Show Solution Explorer
    - Alt+- - Change window position
    - A - Auto hide OR
    - K - Dock
    - Esc - Go back to document window
- Quick replace all
    - Ctrl+H - Quick replace
    - Edit search text, tab to replacement text
    - Alt-A - Replace all
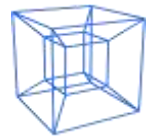
Out-of-box Code Snippets

Snippet	Freq. Used?	Description	Usage Type
#if		#if	Expansion, SurroundsWith
#region		#region	Expansion, SurroundsWith
~		destructor	Expansion
attribute		attribute using recommended pattern	Expansion
checked		checked block	Expansion, SurroundsWith
class		class	Expansion, SurroundsWith
ctor	✓✓	constructor	Expansion
cw		Console.WriteLine	Expansion
do		do...while loop	Expansion, SurroundsWith
else		else statement	Expansion, SurroundsWith
enum		enum	Expansion, SurroundsWith
equals		implementing Equals() according to guidelines	Expansion
exception		exception	Expansion
for	✓	for loop	Expansion, SurroundsWith
foreach	✓	foreach statement	Expansion, SurroundsWith
forr		reverse for loop	Expansion, SurroundsWith
if	✓	if statement	Expansion, SurroundsWith
indexer		indexer	Expansion
interface		interface	Expansion, SurroundsWith
invoke		safely invoking an event	Expansion
iterator		simple iterator	Expansion
iterindex		named iterator/indexer pair using a nested class	Expansion
lock		lock statement	Expansion, SurroundsWith
mbox		MessageBox.Show	Expansion
namespace		namespace	Expansion, SurroundsWith
prop	✓✓	automatically implemented property	Expansion
propfull		property and backing field	Expansion
propg		automatically implemented property with a 'get' accessor and a private 'set' accessor	Expansion
sim		int Main()	Expansion
struct		struct	Expansion, SurroundsWith
svm		'void Main' method	Expansion
switch		switch statement	Expansion
try	✓✓	try catch	Expansion, SurroundsWith
tryf		try finally	Expansion, SurroundsWith
unchecked		unchecked block	Expansion, SurroundsWith
unsafe		unsafe statement	Expansion, SurroundsWith
using	✓✓	using statement	Expansion, SurroundsWith
while		while loop	Expansion, SurroundsWith