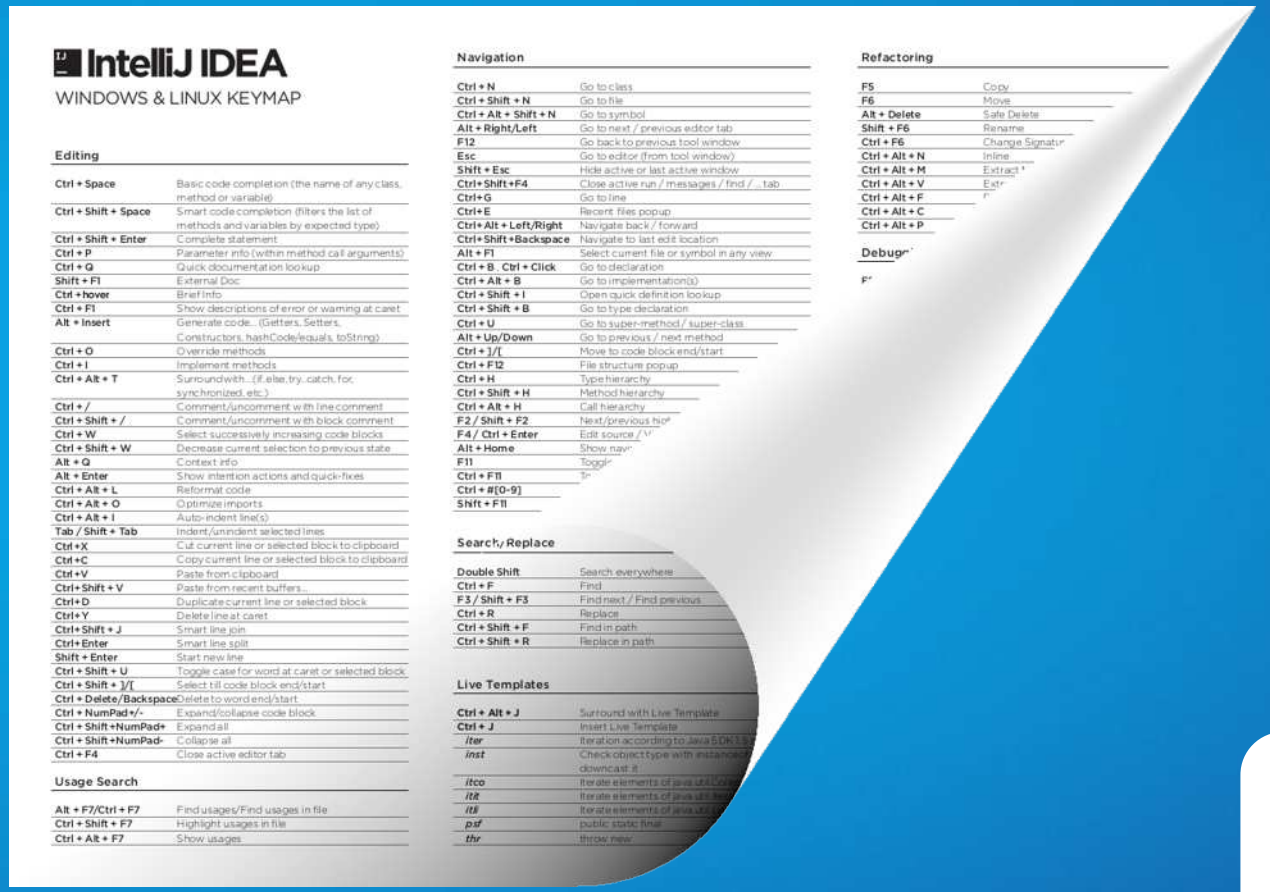
Intellij productivity hints (beyond keymap)

Urs Blum



IntelliJ IDEA

WINDOWS & LINUX KEYMAP

Editing

Ctrl + Space	Basic code completion (the name of any class, method or variable)
Ctrl + Shift + Space	Smart code completion (filters the list of methods and variables by expected type)
Ctrl + Shift + Enter	Complete statement
Ctrl + P	Parameter info (within method call arguments)
Ctrl + Q	Quick documentation lookup
Shift + F1	External Doc
Ctrl + hover	Brief info
Ctrl + F1	Show descriptions of error or warning at caret
Alt + Insert	Generate code... (Getters, Setters, Constructors, hashCode/equals, toString)
Ctrl + O	Override methods
Ctrl + I	Implement methods
Ctrl + Alt + T	Surround with...(if..else, try..catch, for, synchronized, etc.)
Ctrl + /	Comment/uncomment with line comment
Ctrl + Shift + /	Comment/uncomment with block comment
Ctrl + W	Select successively increasing code blocks
Ctrl + Shift + W	Decrease current selection to previous state
Alt + Q	Context info
Alt + Enter	Show intention actions and quick-fixes
Ctrl + Alt + L	Reformat code
Ctrl + Alt + O	Optimize imports
Ctrl + Alt + I	Auto-indent line(s)
Tab / Shift + Tab	Indent/unindent selected lines
Ctrl + X	Cut current line or selected block to clipboard
Ctrl + C	Copy current line or selected block to clipboard
Ctrl + V	Paste from clipboard
Ctrl + Shift + V	Paste from recent buffers...
Ctrl + D	Duplicate current line or selected block
Ctrl + Y	Delete line at caret
Ctrl + Shift + J	Smart line join
Ctrl + Enter	Smart line split
Shift + Enter	Start new line
Ctrl + Shift + U	Toggle case for word at caret or selected block
Ctrl + Shift +]/[	Select till code block end/start
Ctrl + Delete/Backspace	Delete to word end/start
Ctrl + NumPad +/-	Expand/collapse code block
Ctrl + Shift + NumPad+	Expand all
Ctrl + Shift + NumPad-	Collapse all
Ctrl + F4	Close active editor tab

Usage Search

Alt + F7/Ctrl + F7	Find usages/Find usages in file
Ctrl + Shift + F7	Highlight usages in file
Ctrl + Alt + F7	Show usages

Navigation

Ctrl + N	Go to class
Ctrl + Shift + N	Go to file
Ctrl + Alt + Shift + N	Go to symbol
Alt + Right/Left	Go to next / previous editor tab
F12	Go back to previous tool window
Esc	Go to editor (from tool window)
Shift + Esc	Hide active or last active window
Ctrl + Shift + F4	Close active run / messages / find / ... tab
Ctrl + G	Go to line
Ctrl + E	Recent files popup
Ctrl + Alt + Left/Right	Navigate back / forward
Ctrl + Shift + Backspace	Navigate to last edit location
Alt + F1	Select current file or symbol in any view
Ctrl + B, Ctrl + Click	Go to declaration
Ctrl + Alt + B	Go to implementation(s)
Ctrl + Shift + I	Open quick definition lookup
Ctrl + Shift + B	Go to type declaration
Ctrl + U	Go to super-method / super-class
Alt + Up/Down	Go to previous / next method
Ctrl +]/[	Move to code block end/start
Ctrl + F12	File structure popup
Ctrl + H	Type hierarchy
Ctrl + Shift + H	Method hierarchy
Ctrl + Alt + H	Call hierarchy
F2 / Shift + F2	Next/previous hig
F4 / Ctrl + Enter	Edit source / V
Alt + Home	Show navi
F11	Toggle
Ctrl + F11	To
Ctrl + #[0-9]	
Shift + F11	

Search/Replace

Double Shift	Search everywhere
Ctrl + F	Find
F3 / Shift + F3	Find next / Find previous
Ctrl + R	Replace
Ctrl + Shift + F	Find in path
Ctrl + Shift + R	Replace in path

Live Templates

Ctrl + Alt + J	Surround with Live Template
Ctrl + J	Insert Live Template
iter	Iteration according to Java 5 (JDK 1.5)
inst	Check object type with instanceof and downcast it
itco	Iterate elements of java.util.Collection
itit	Iterate elements of java.util.Iterator
itli	Iterate elements of java.util.List
psf	public static final
thr	throw new

Refactoring

F5	Copy
F6	Move
Alt + Delete	Safe Delete
Shift + F6	Rename
Ctrl + F6	Change Signatur
Ctrl + Alt + N	Inline
Ctrl + Alt + M	Extract
Ctrl + Alt + V	Extr
Ctrl + Alt + F	F
Ctrl + Alt + C	
Ctrl + Alt + P	

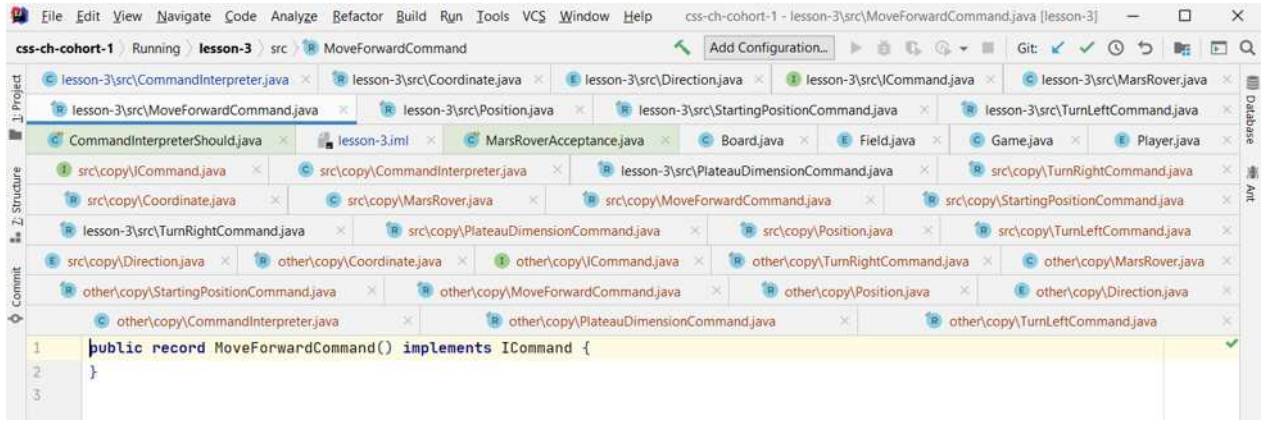
Debugg

F

CSS Versicherung

Keep the Editor clean (1/2)

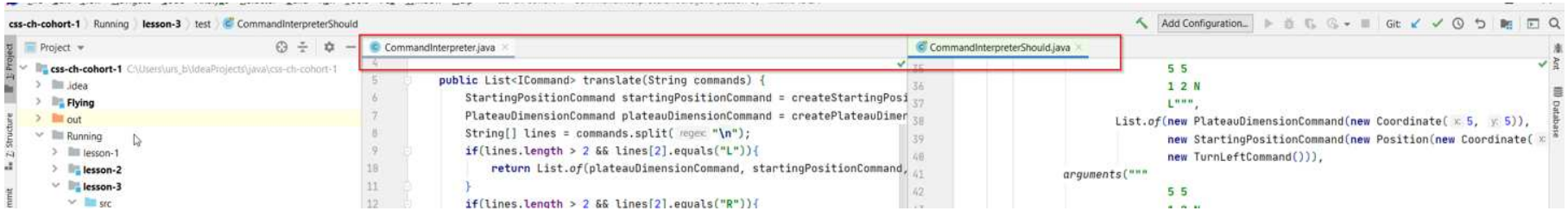
- For me tabs are like trees, at some point you can’t see the forest for the trees…



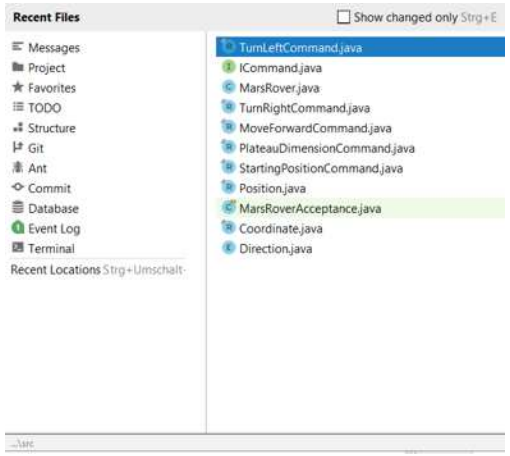
- What File do i currently work on?
- What was the file i worked on before?

Keep the Editor clean (2/2)

- Do we really need the tabs?



Use Recent Files instead of tabs Ctrl + E



Use Plugins (1/2)

Example: *Rainbow Brackets*

Before:

```
private static Stream<Arguments> valueProvider() {
    return Stream.of(
            arguments("""
                    5 5
                    1 2 N
                    """,
                    List.of(new PlateauDimensionCommand(new Coordinate( x: 5,  y: 5)),
                            new StartingPositionCommand(new Position(new Coordinate( x: 1,  y: 2), Direction.NORTH)))),
            arguments("""
```

After:

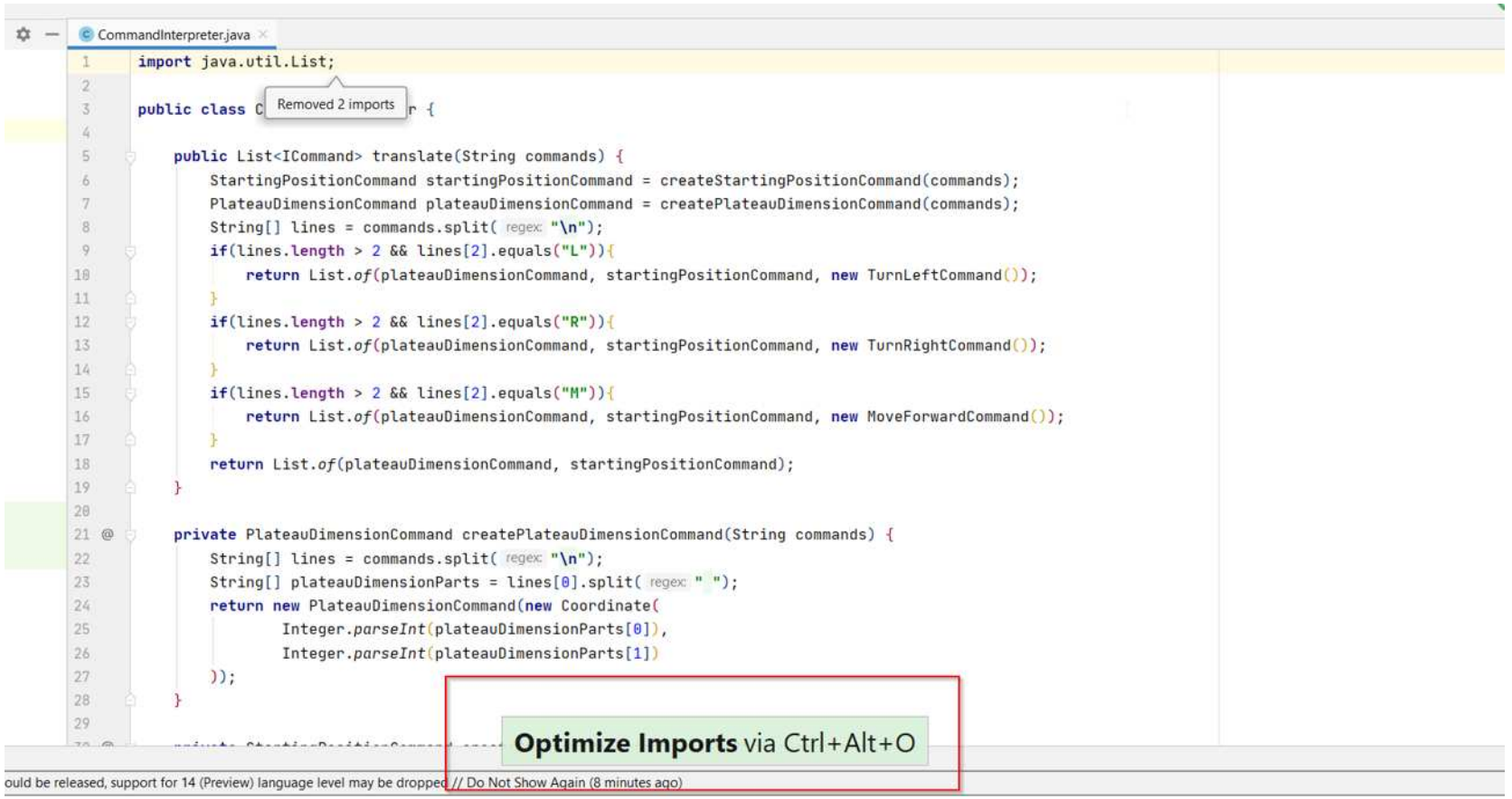
```
private static Stream<Arguments> valueProvider() {
    return Stream.of(
            arguments("""
                    5 5
                    1 2 N
                    """,
                    List.of(new PlateauDimensionCommand(new Coordinate( x: 5,  y: 5)),
                            new StartingPositionCommand(new Position(new Coordinate( x: 1,  y: 2), Direction.NORTH)))),
            arguments("""
```

Ctrl + Shift + M Move caret to matching brace

CSS Versicherung

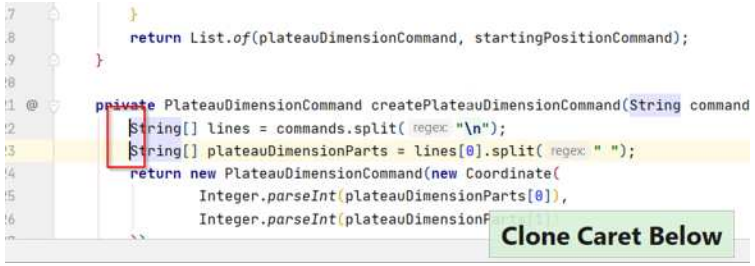
Use Plugins (2/2)

Example: *Presentation Assistant*

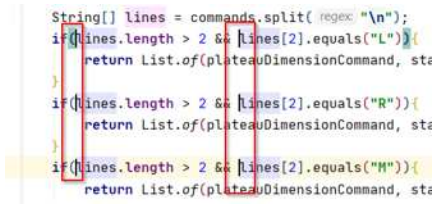


Use multiple carets

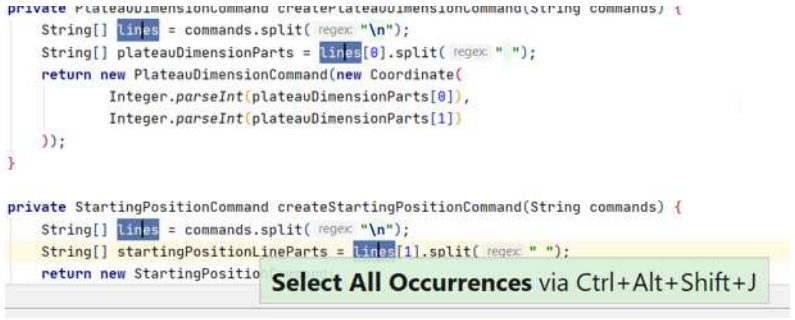
- Clone caret: Press `Ctrl` twice, and then without releasing it, press up or down arrow keys.



- Add/Remove caret at mouse position: `Shift + Alt + MouseClick`



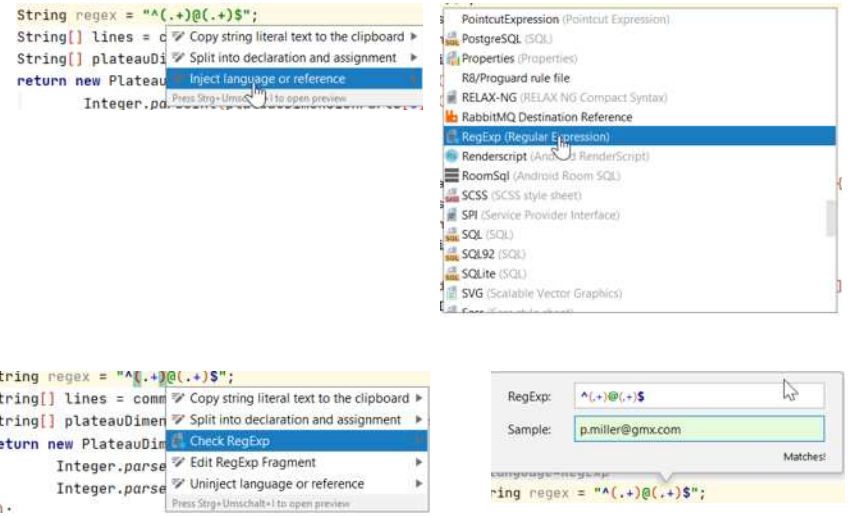
- Select all occurrences: `Ctrl + Shift + Alt + J`



Use build in features

Suppose you want to extend **"^(.+)@(.+)$"**. What are you doing?

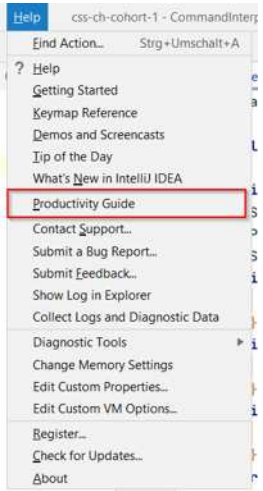
- Just extend it, because it‘s trivial
- Try and error?
- Google
- …
- Let intellij help you:

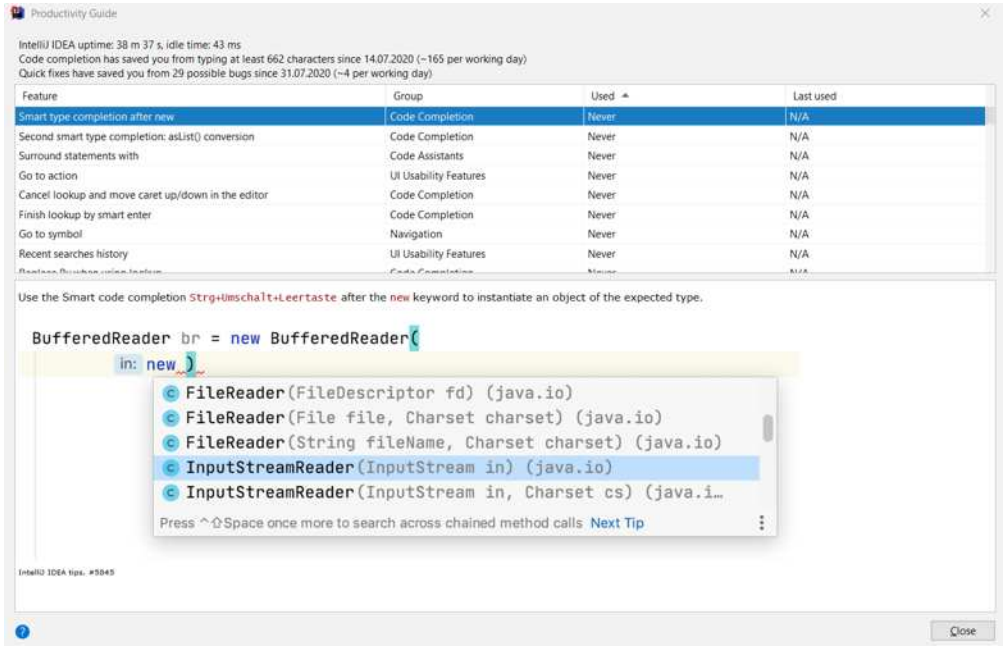


Intellij knows a lot of languages…

More

Productivity Guide





Complete Keymap:

https://github.com/JetBrains/intellij-community/tree/master/platform/platform-resources/src/keymaps