Development Tools

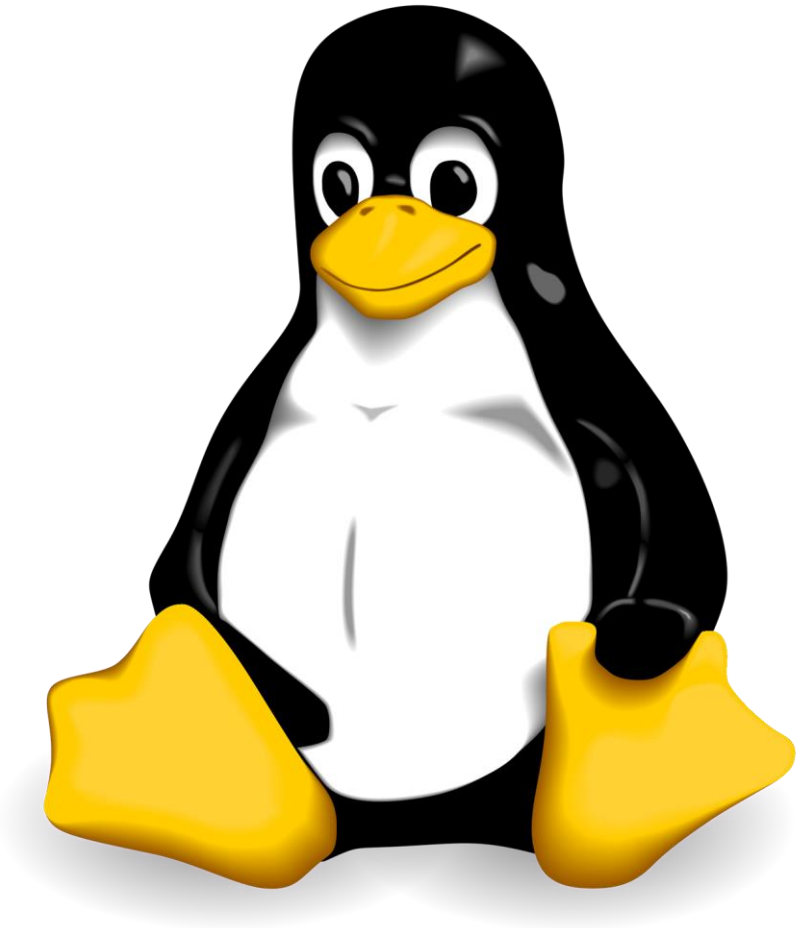
Kontakt

- jfdz3@infoshareacademy.com
- https://jfdz-201603.slack.com/

Ubuntu

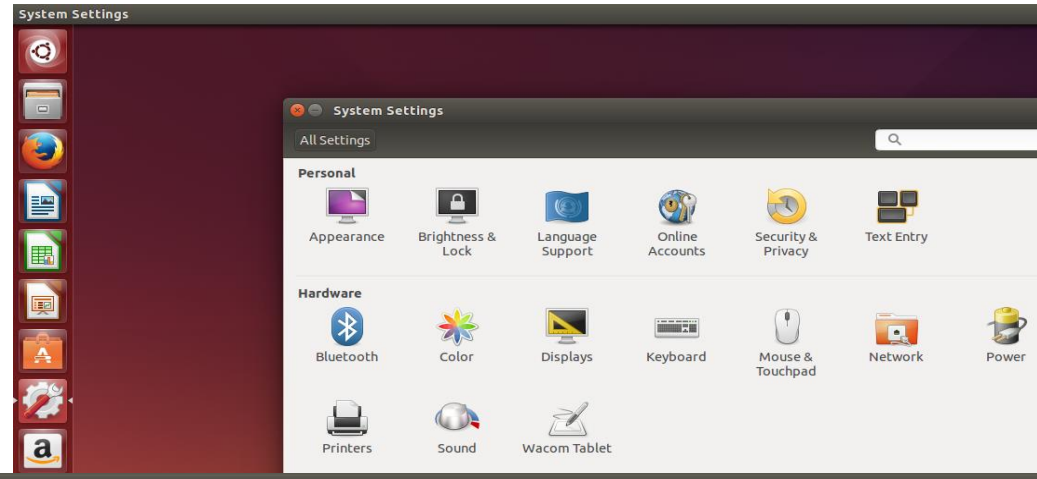
Logowanie do systemu:

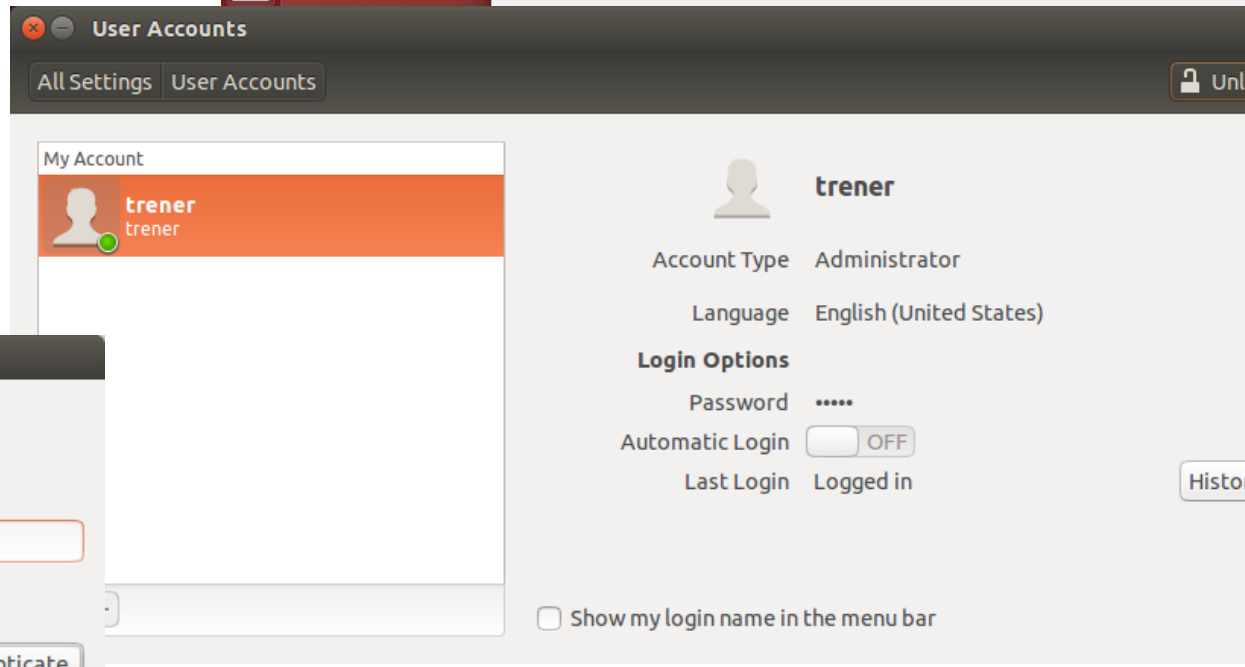
kursant / iSAforever

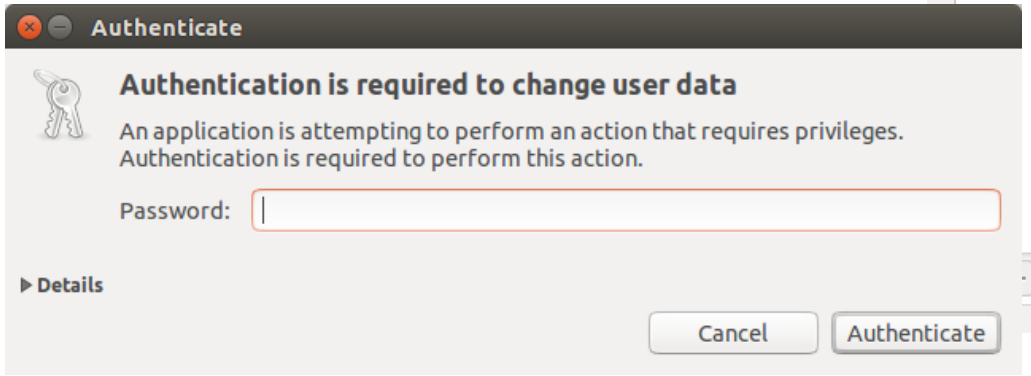


Ubuntu : konto osobiste

- Uruchamiamy „System Settings”
- User Accounts
- Autoryzacja użytkownika

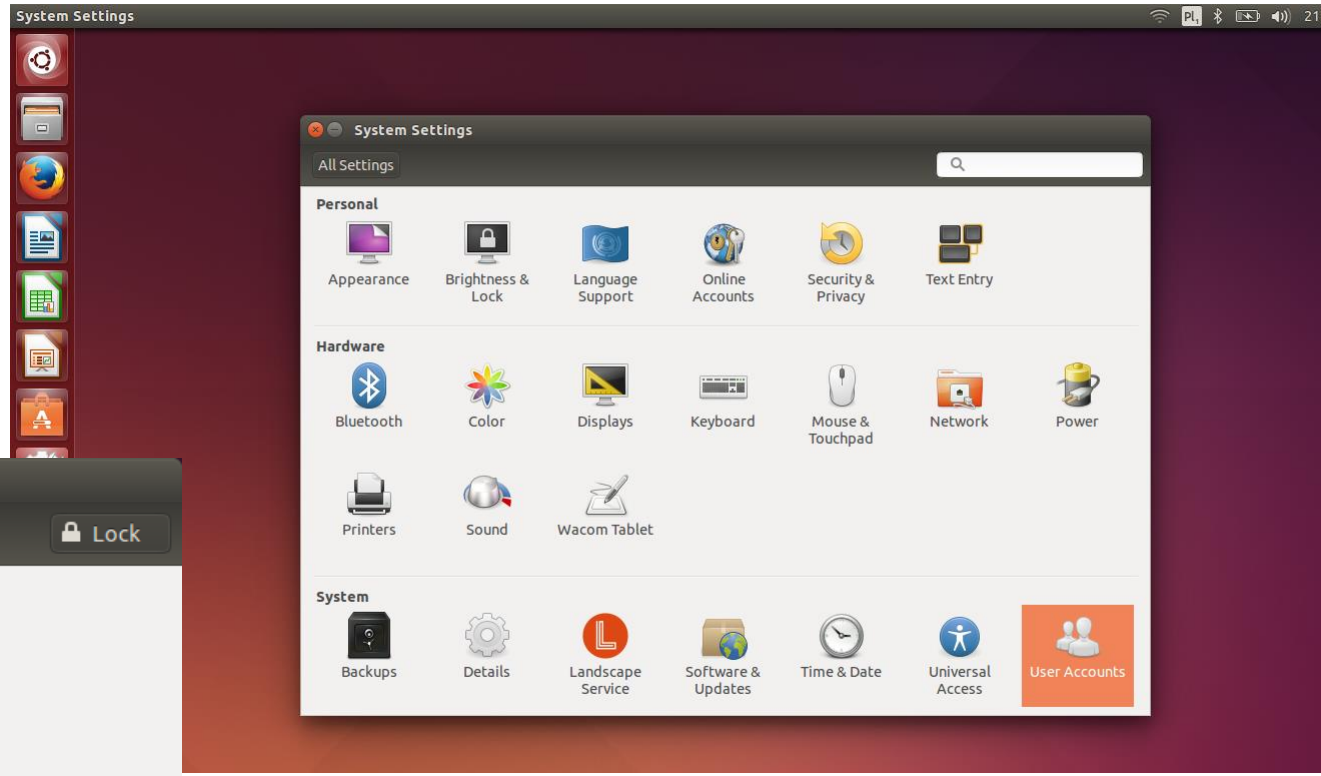


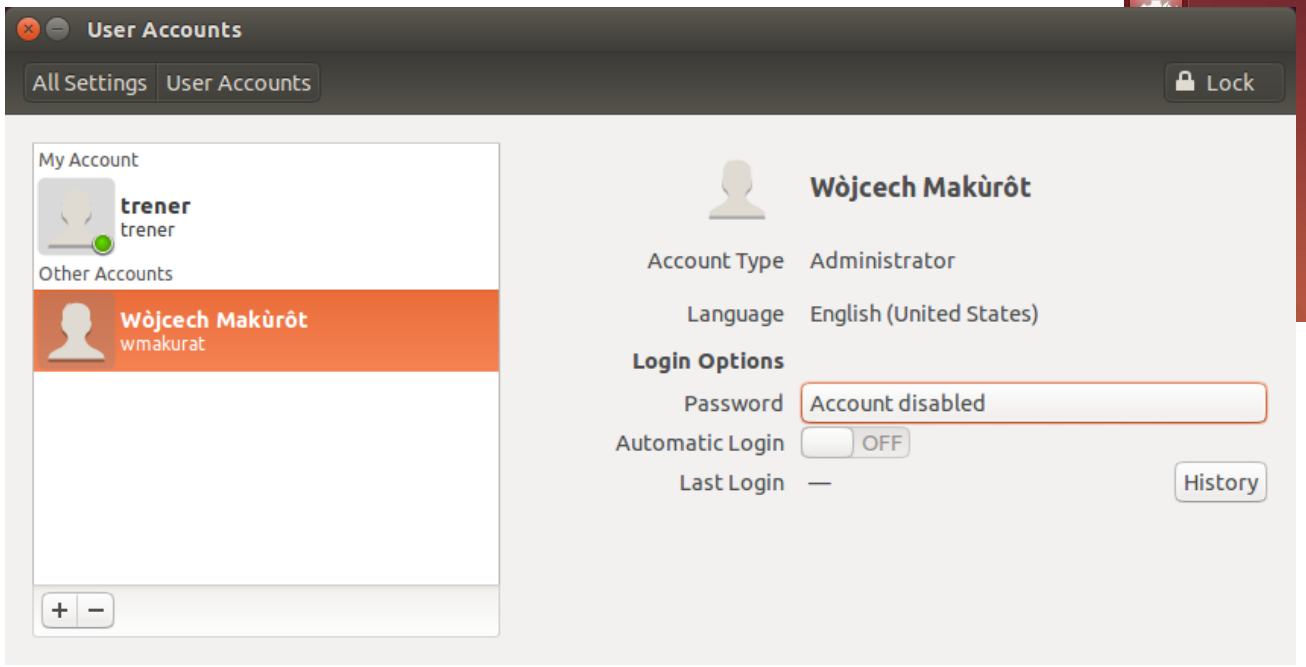




Ubuntu : konto osobiste

- Dodajemy konto osobiste
- Przeloguj się





Ubuntu : środowisko

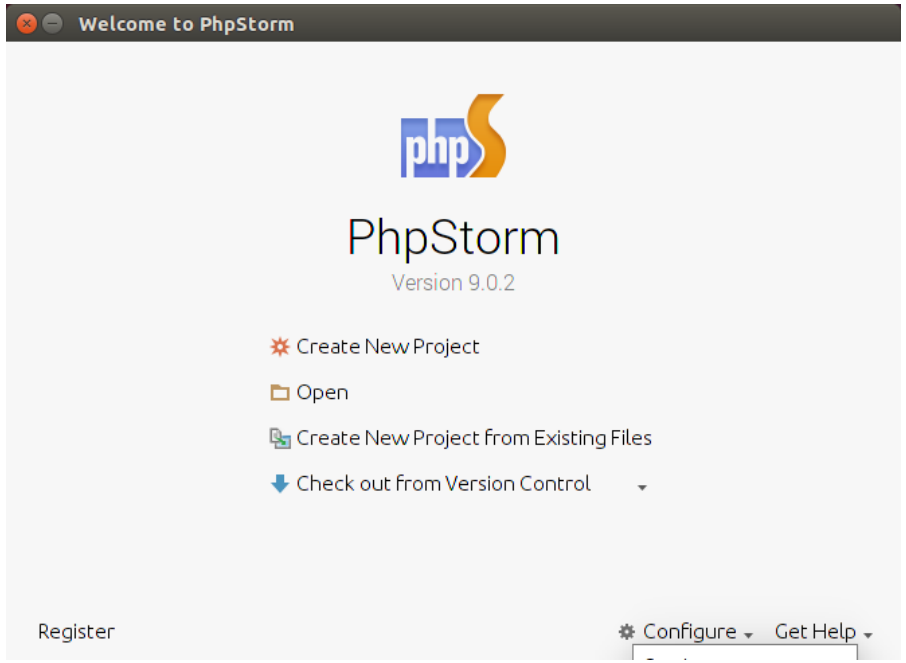
- Terminal
- Home = ~ = /home/*nazwa_użytkownika*
- root & sudo

WebStorm: licencja

- licencja
  - indywidualnie na e-mail
  - edukacyjna
- uruchomienie
  - sudo cp -r /home/kursant/tools/webstorm… ~
  - ~/webstorm…/bin/webstorm.sh

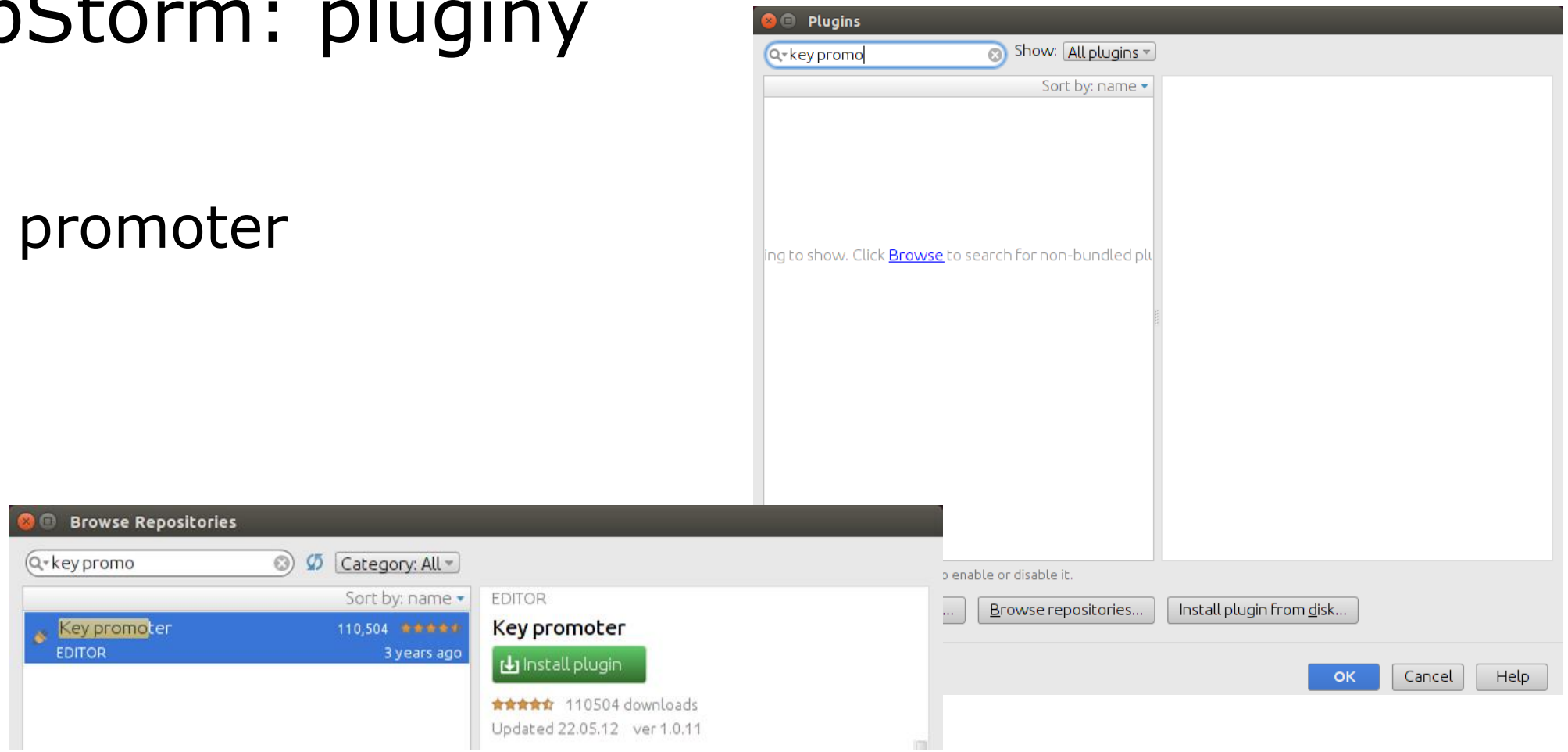
WebStorm

- Pierwsze uruchomienie
- Nowy projekt

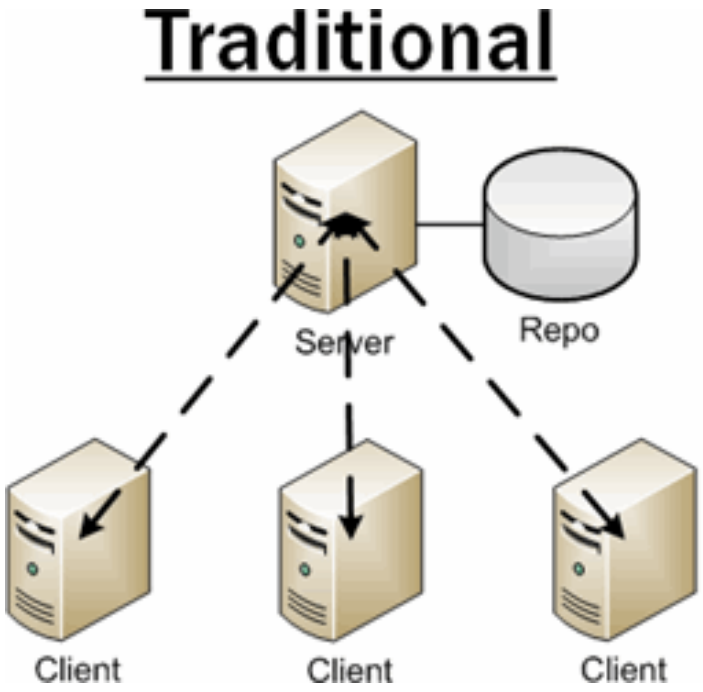


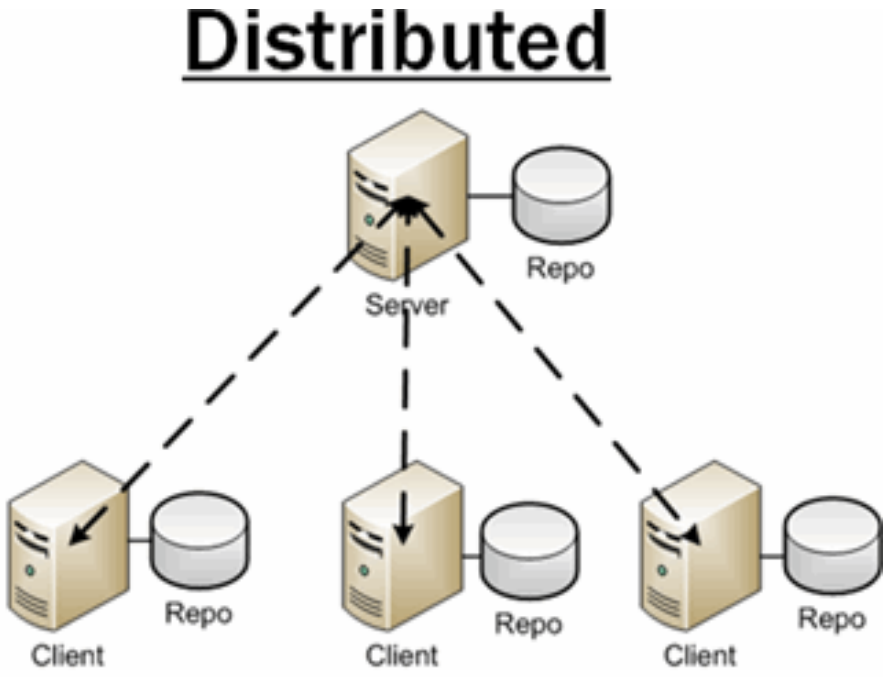
WebStorm: pluginy

- Key promoter



Repozytorium kodu





Git : GitHub

- GitHub
  - github.com/orgs/infoshareacademy
  - załóż konto, prześlij login i nazwę zespołu

    na robert@infoshareacademy.com

Git : User

- git config --global user.email your.name@domain
- git config --global user.name "Your Name"

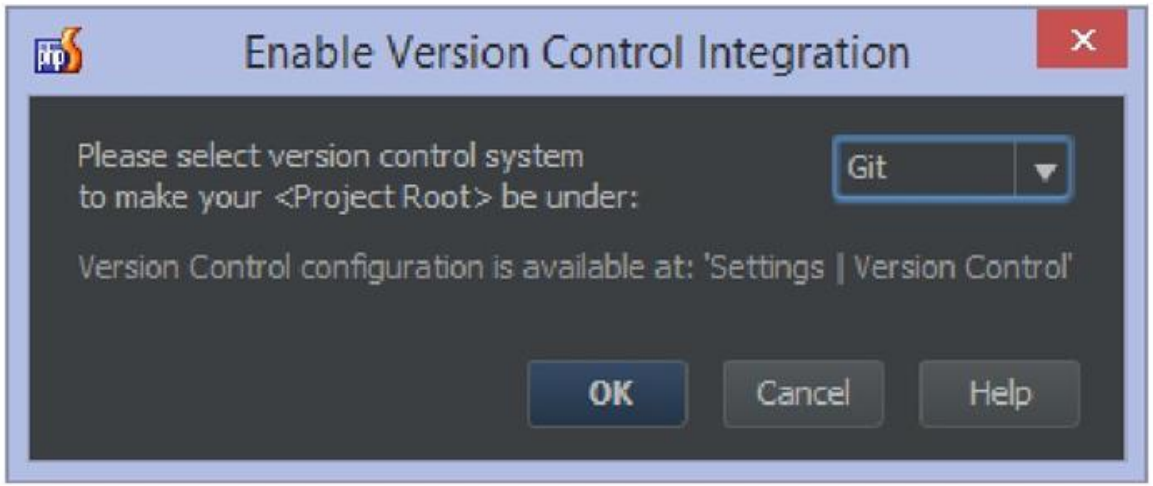
Git : Istniejące repozytorium

- GitHub
  - VCS > checkout from Version Control > GitHub
  - logujemy się
  - wybieramy repozytorium *jjdz2-testowe-repo*
  - jeśli nie istnieje *Parent Directory*, to go tworzymy, np. jako */home/<nazwa_użytkownika>/workspace*

Enabling VCS integration

Telling the IDE that the project is under a VCS system.

Use the VCS menu.



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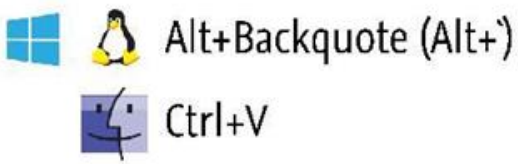
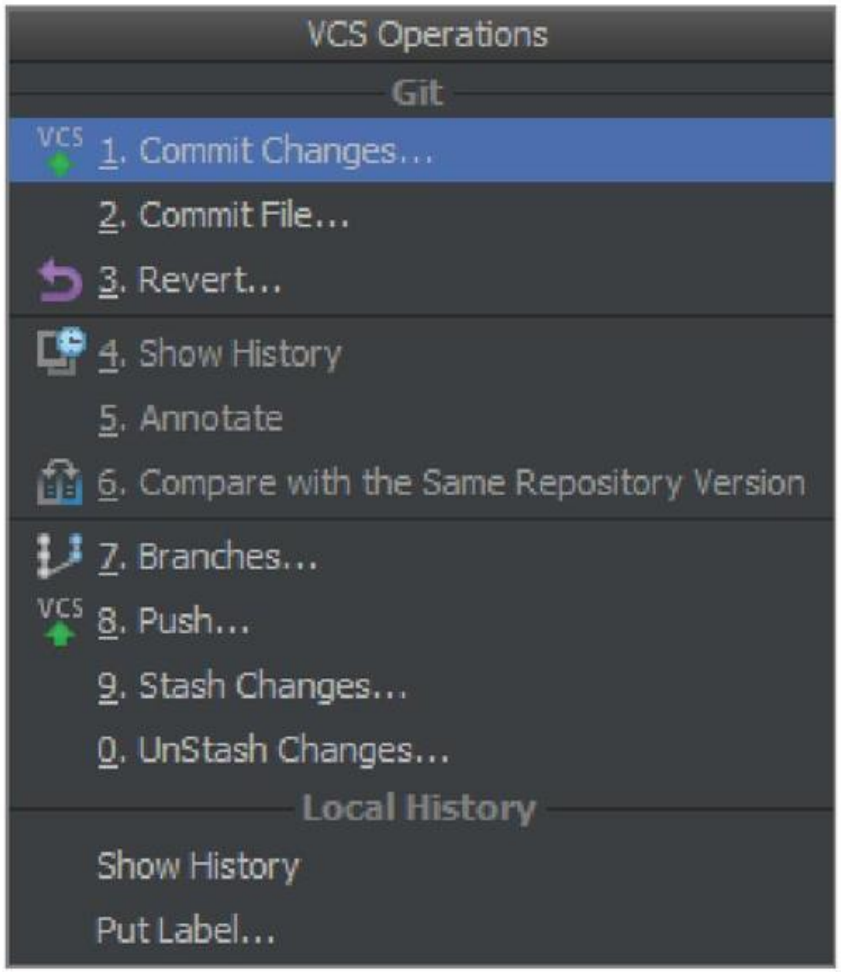
VCS operations

Perform operations on the version control system such as adding files, deleting files, committing changes and so on.





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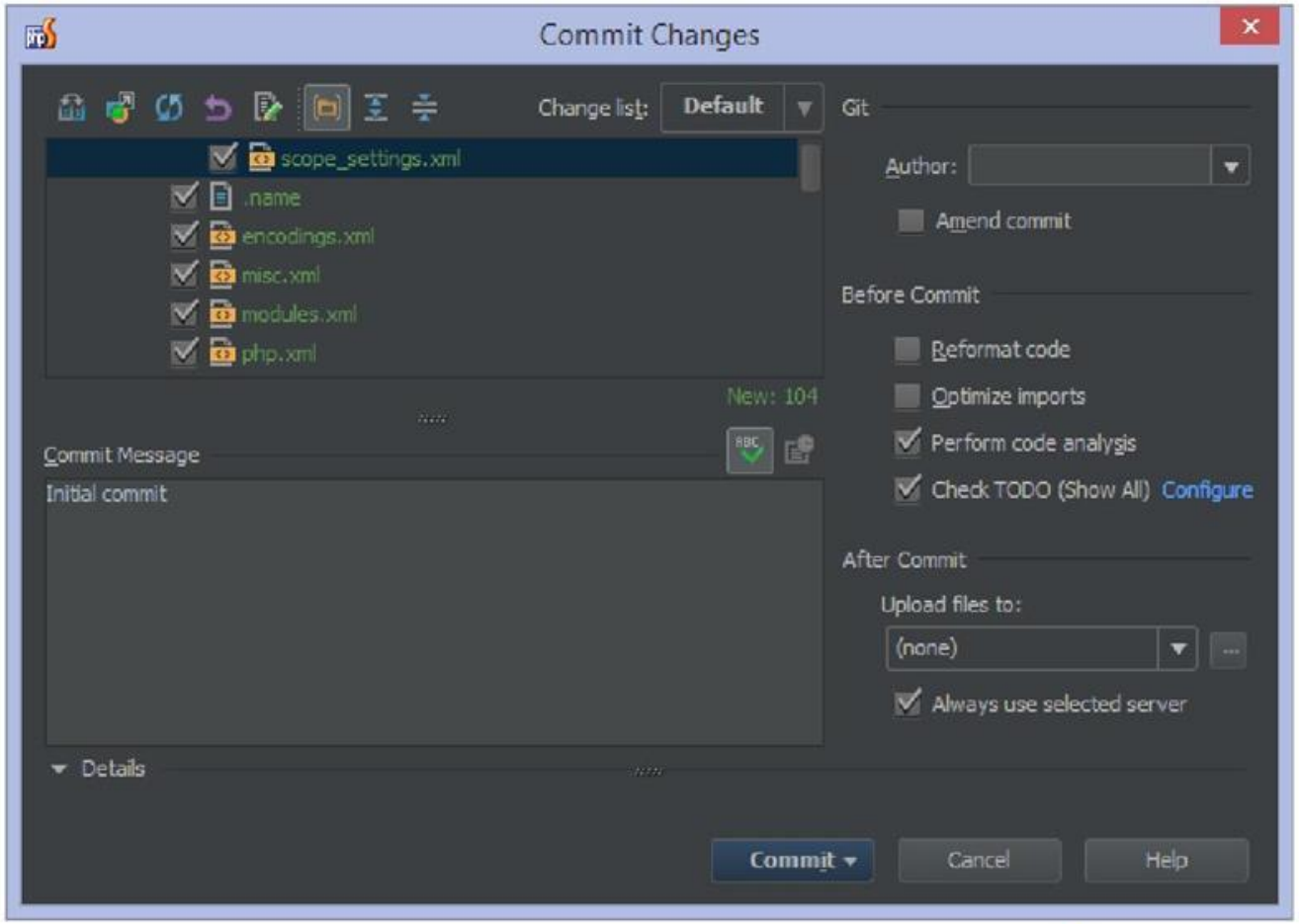
Committing Changes

Persisting the current changeset as a logical operation in the VCS, with a comment, author, ...



Ctrl+K

Command+K

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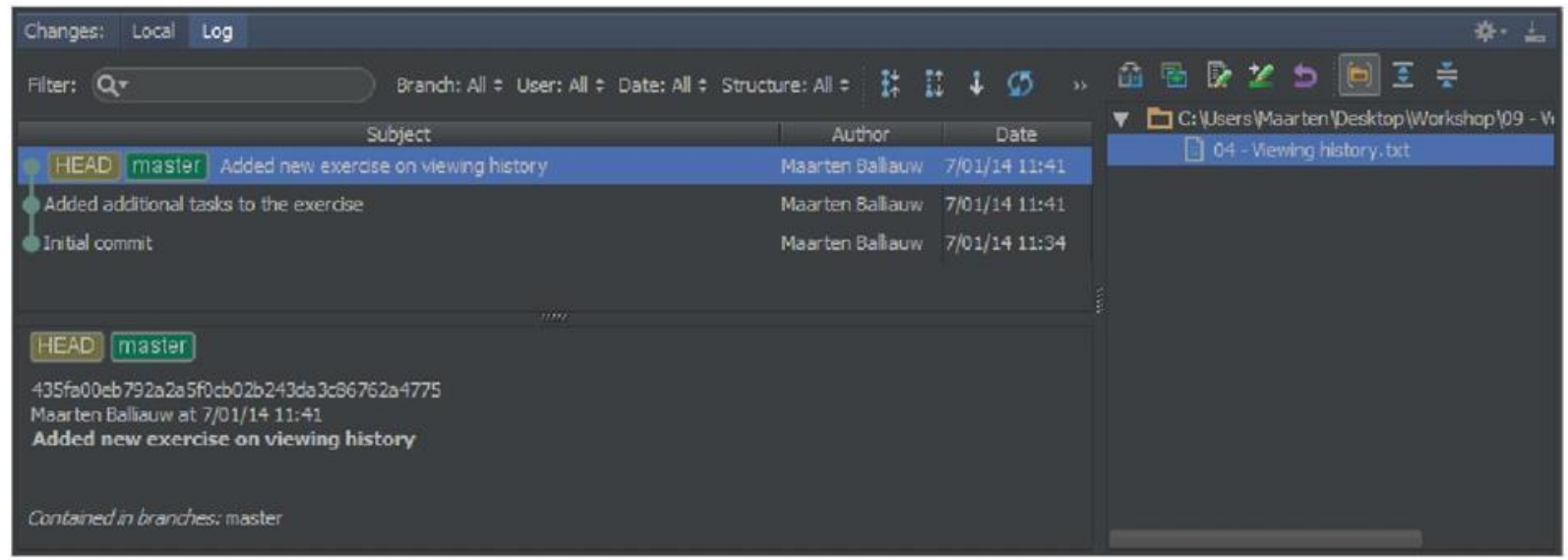
Viewing History

View all information related to previous commits.



Alt+9

Command+9

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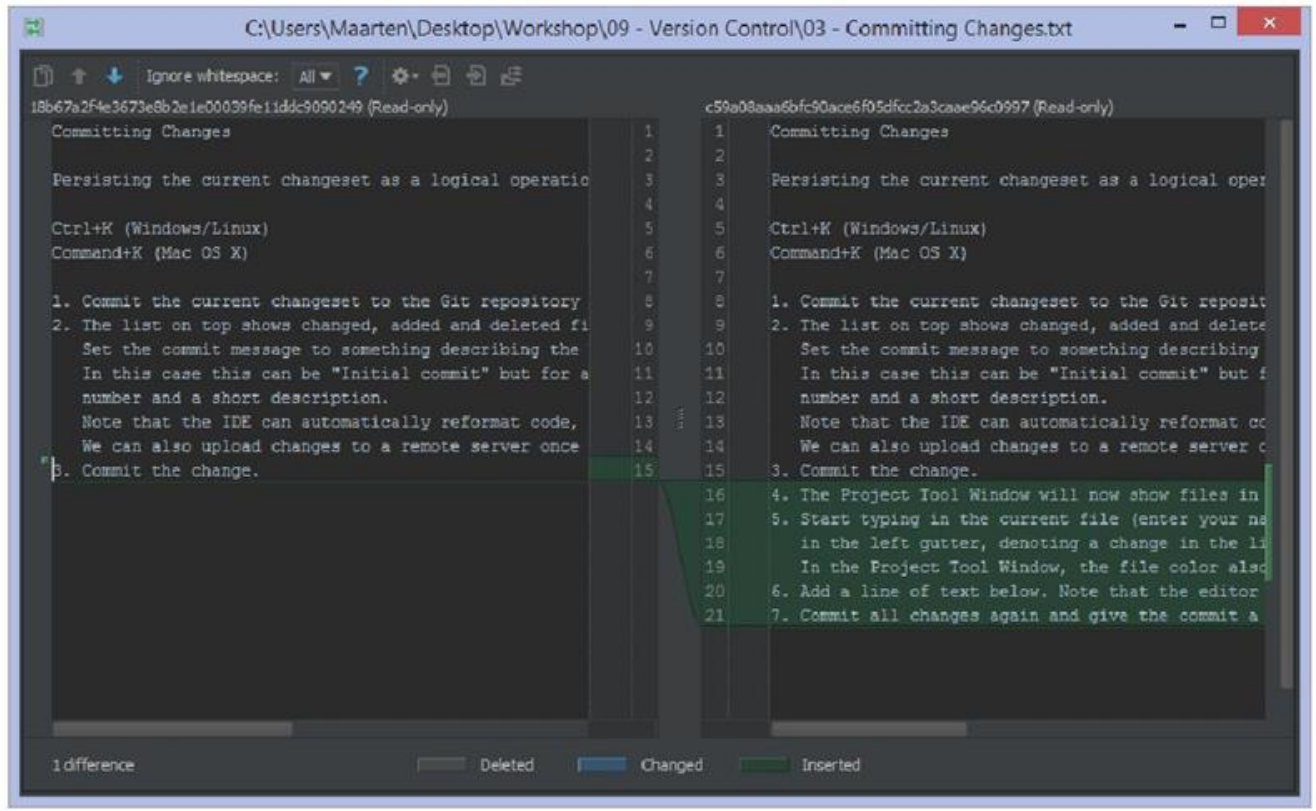
Viewing Diff

Show changes made to a particular file.



Ctrl+D

Command+D

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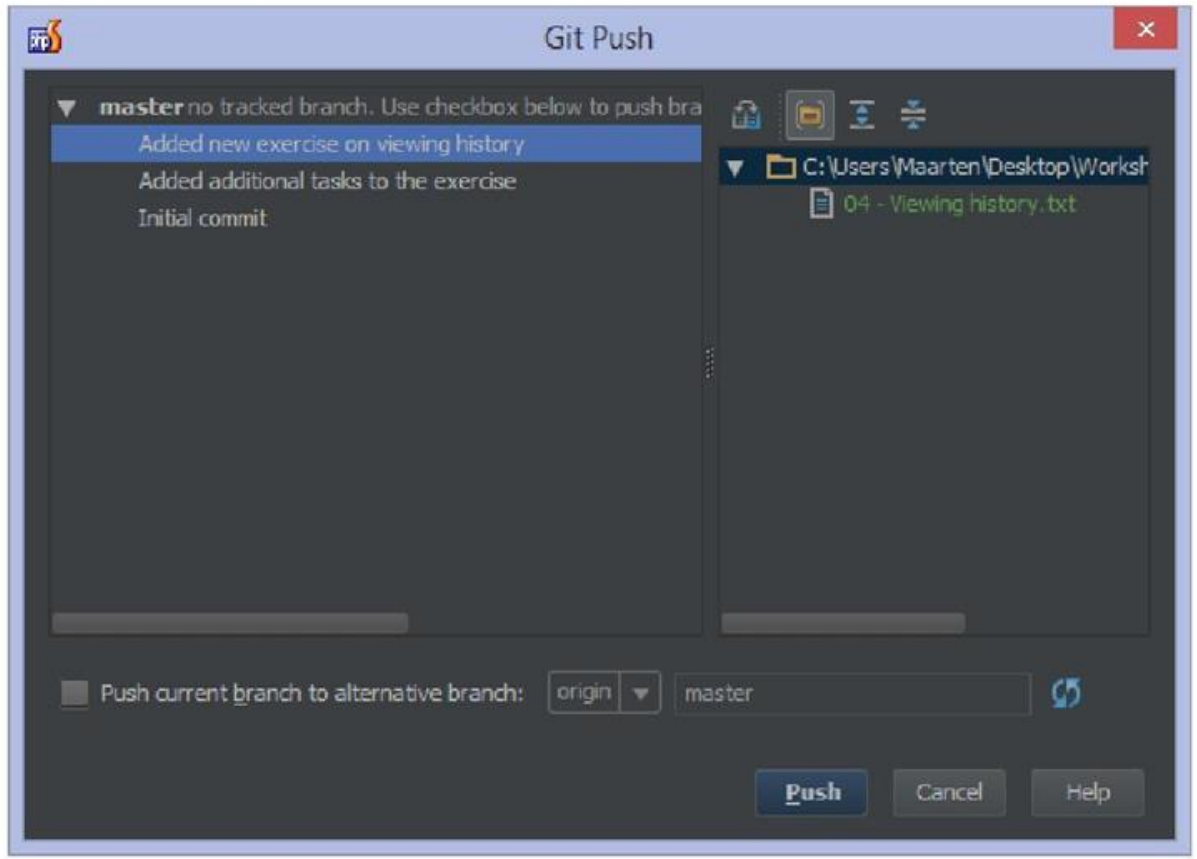
Git/Mercurial: Push/Pull

Persist local copy of VCS repository to remote copy.



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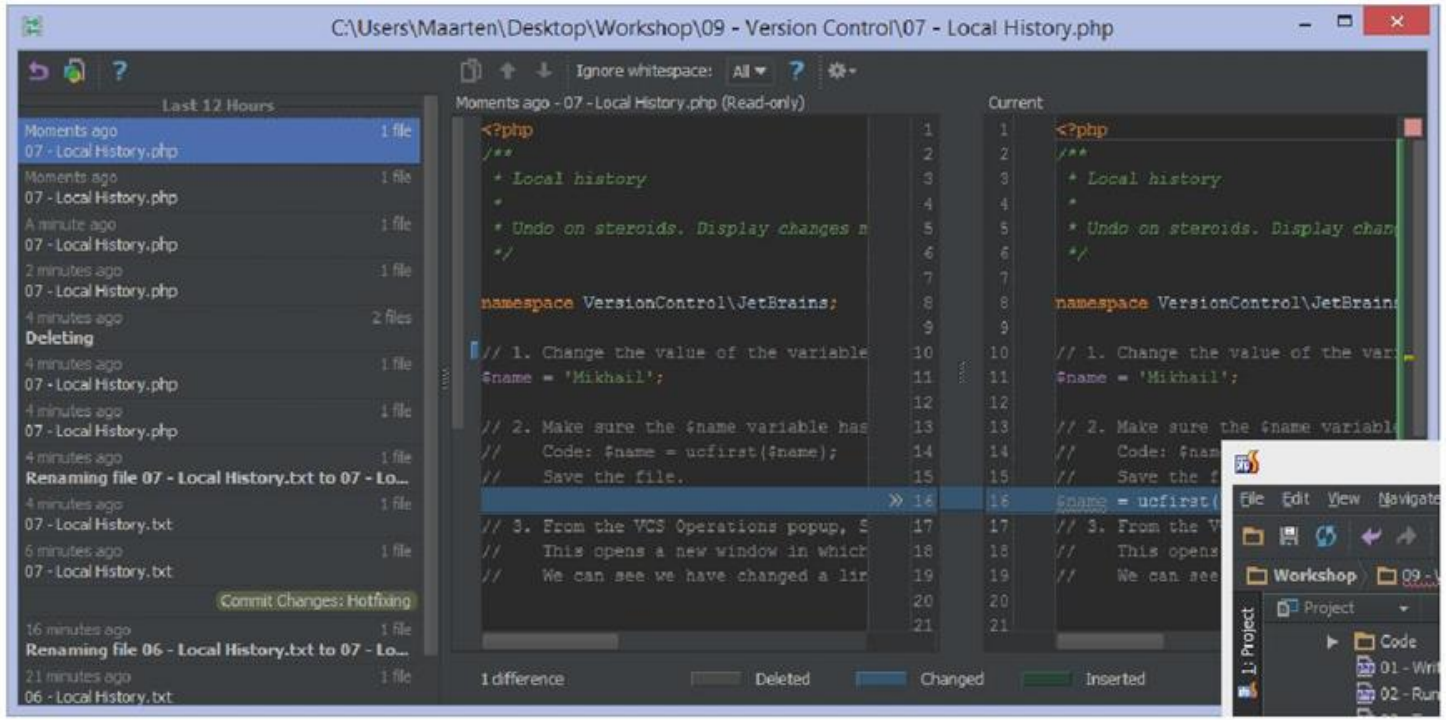
Local history

Undo on steroids. Display changes made between commits, revert local changes, ...



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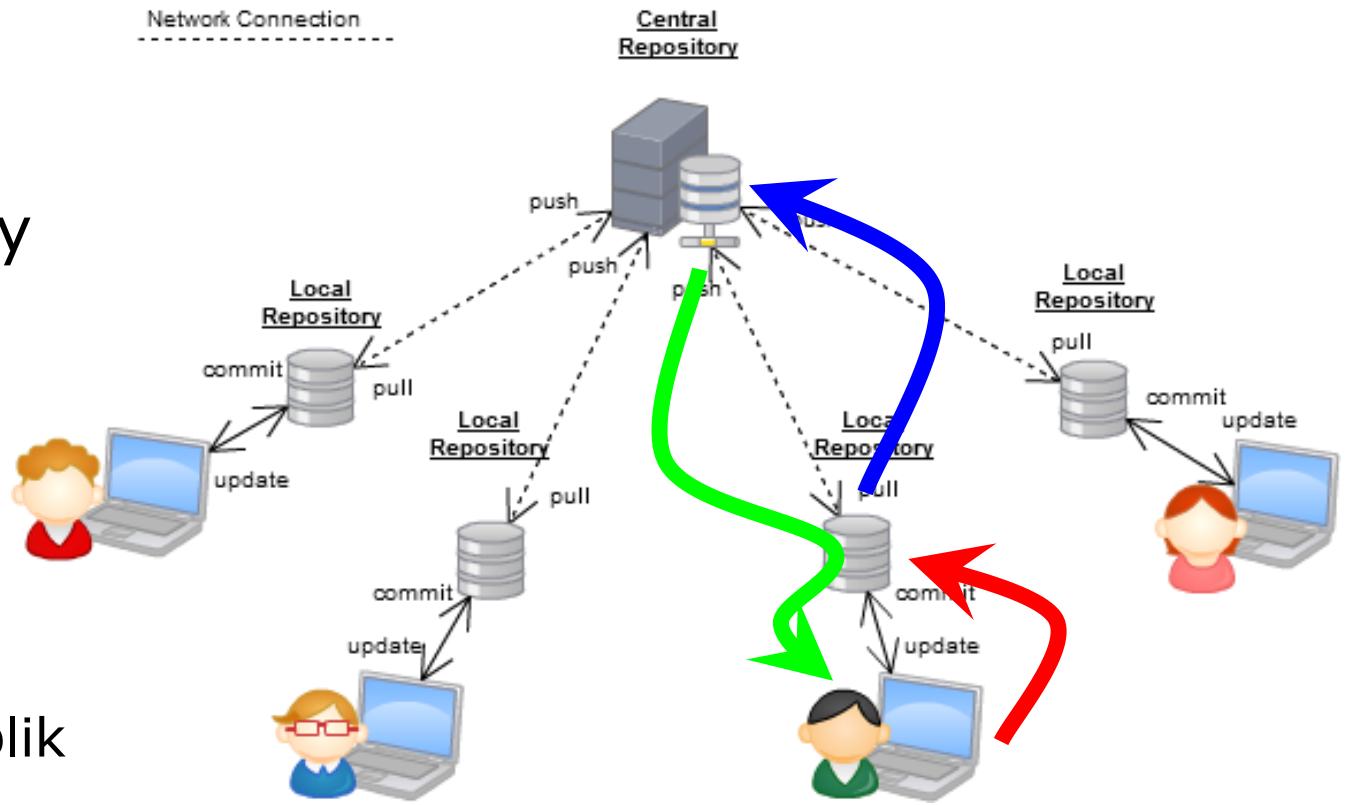
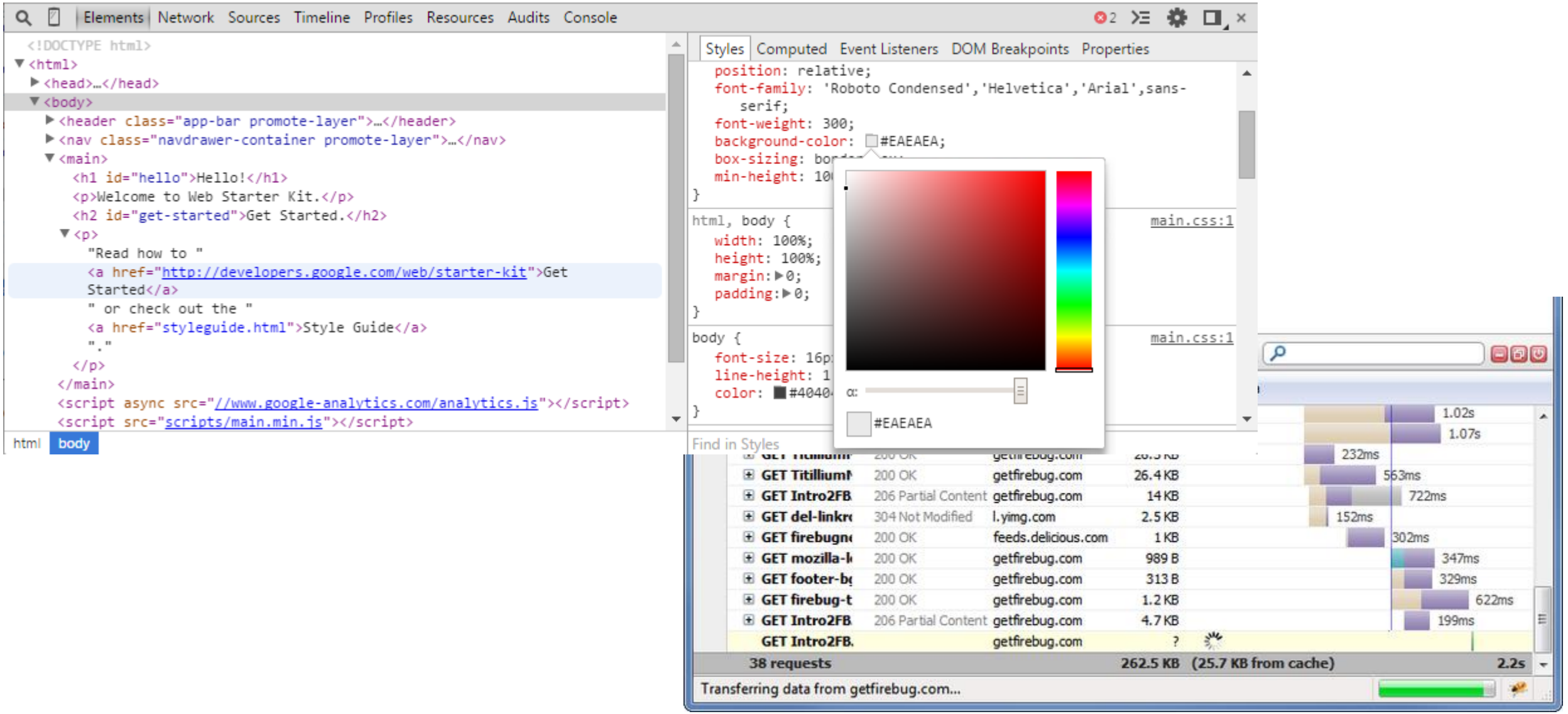
Git : praca z kodem

- GitHub
  - nowy plik tekstowy
    - commit
    - push
  - zmiana pliku
    - pull
    - zmieniamy czyjś plik
    - commit
    - push



Devtools [Chrome, Firefox, IE…] - F12

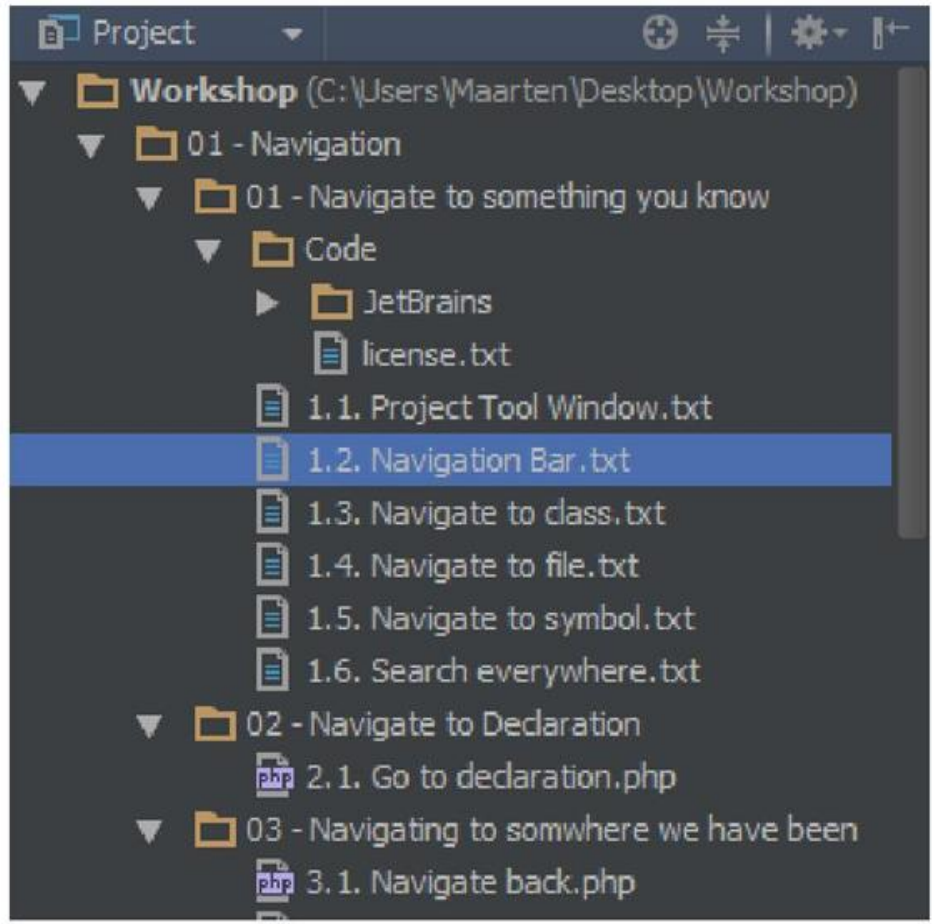


WebStorm: przykłady

- Checkout from Version Control
- From GitHub
- Repo: https://github.com/JetBrains/phpstorm-workshop.git

Project Tool Window

Shows all files in project.



Alt+1

Command+1

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Navigation Bar

Navigate through files in project.

- Left/Right navigates path.
- Up/Down opens other node in path.

Alt+Home

Command+Up

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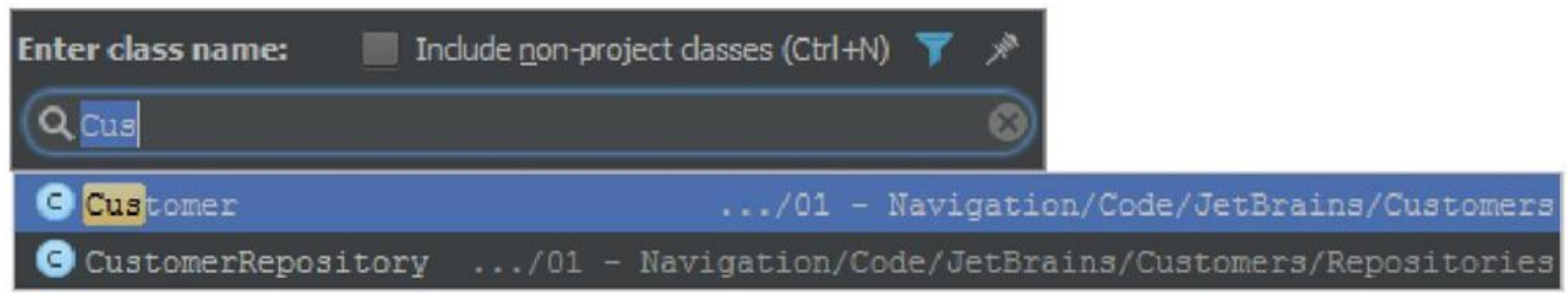
Navigate to Class

Navigates to a given class

can be in PHP or any other language supported by PhpStorm

use CamelHumps / wildcards



Ctrl+N

Command+O

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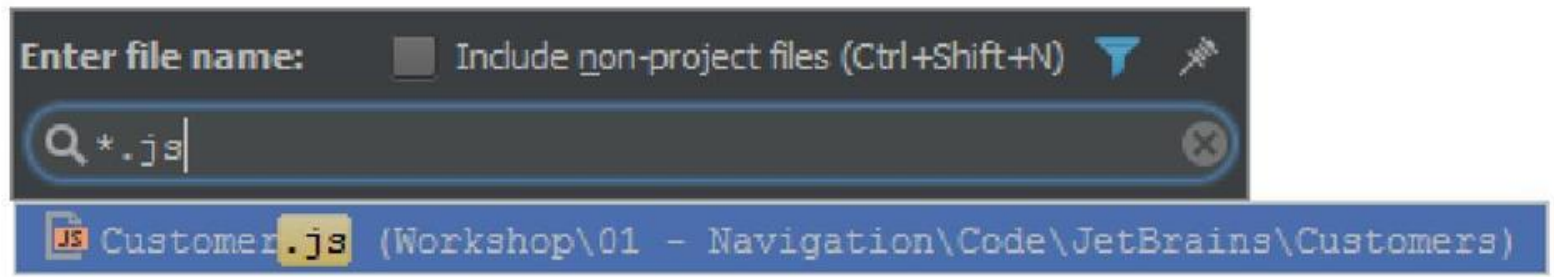
Navigate to File

Navigates to a given file

any file type

use CamelHumps / wildcards



Ctrl+Shift+N

Shift+Command+O

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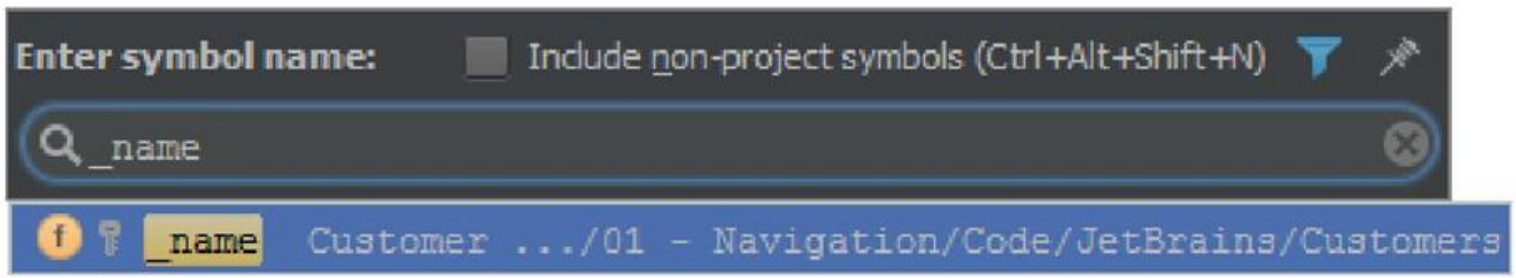
Navigate to Symbol

Navigates to a given symbol

can be in PHP or any other language supported by PhpStorm

use CamelHumps / wildcards



Ctrl+Shift+Alt+N

Alt+Command+O

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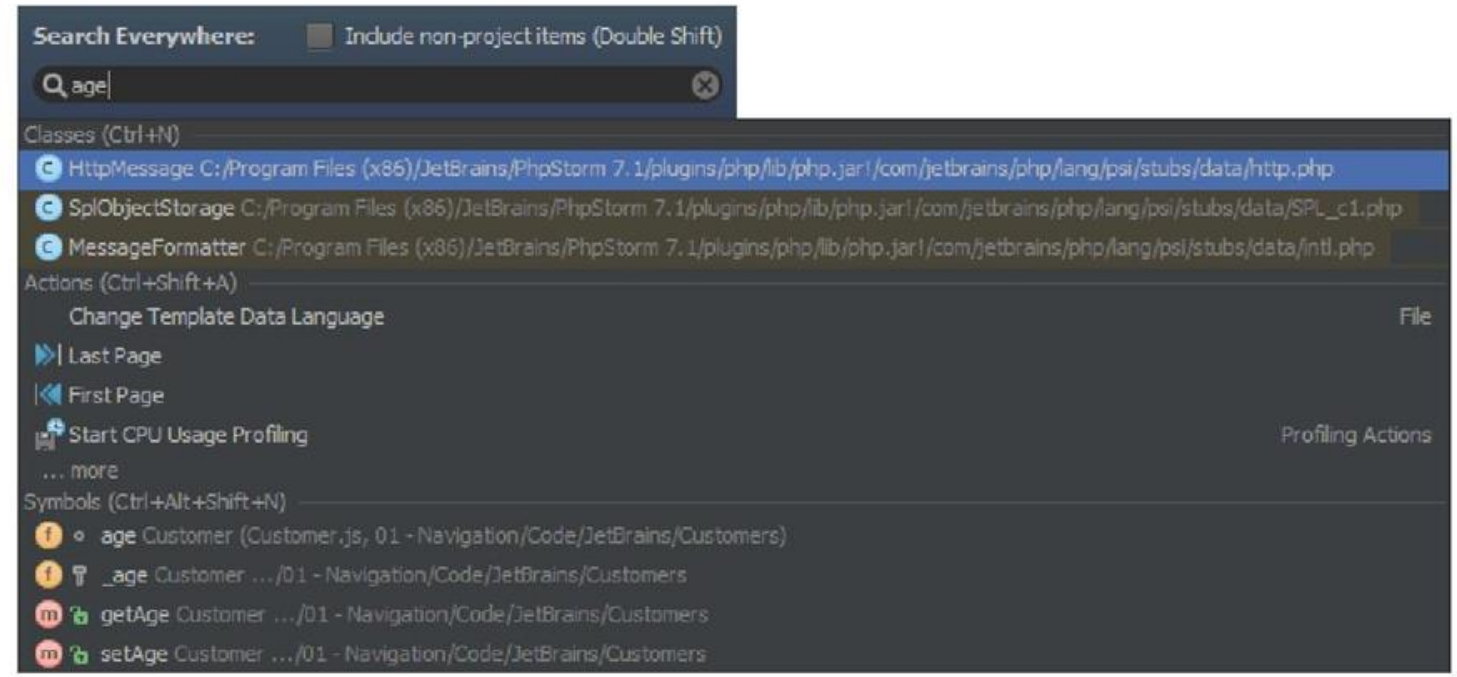
Search Everywhere

Search classes, file, symbols and menu actions all at once

use CamelHumps / wildcards



Double shift

Double shift

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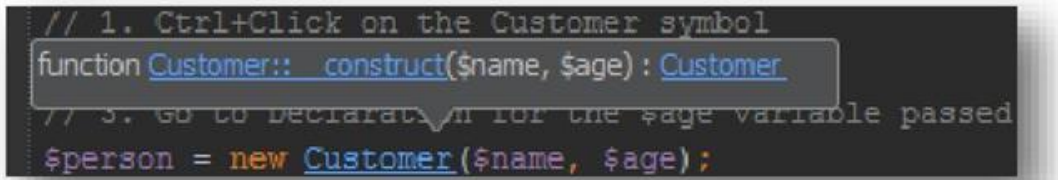
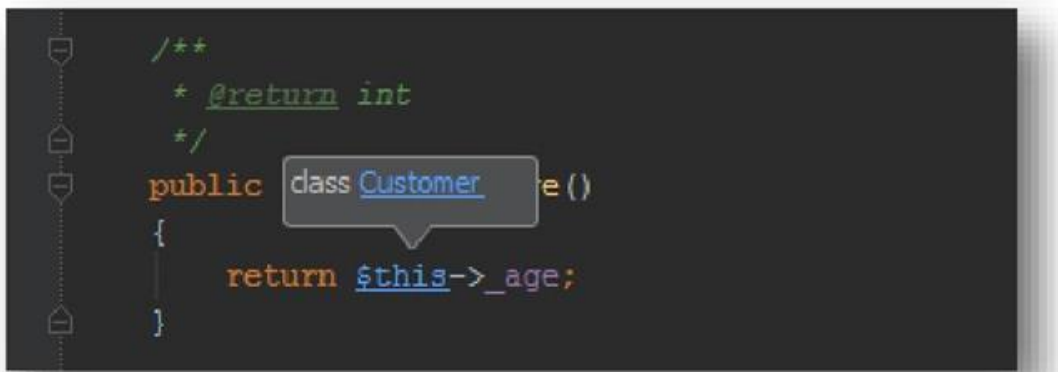
Navigate to Declaration

Ctrl-click (or Command+Click) on hyperlink

or use shortcut





Ctrl+Click or Ctrl+B

Command+Click or Command+B

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Navigate Back / Forward

Use the keyboard shortcut

Ctrl+Alt+Left / Right

Alt+Command+Left / Right

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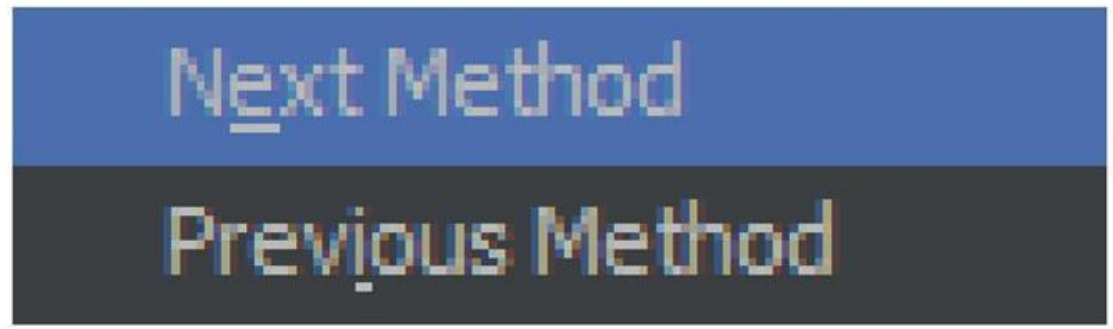
Next / Previous Method

Use the keyboard shortcut to navigate through methods in a file/class.

Navigates between tags in HTML. Also works in other file types.



Alt+Down / Alt+Up

Control+Down / Control+Up

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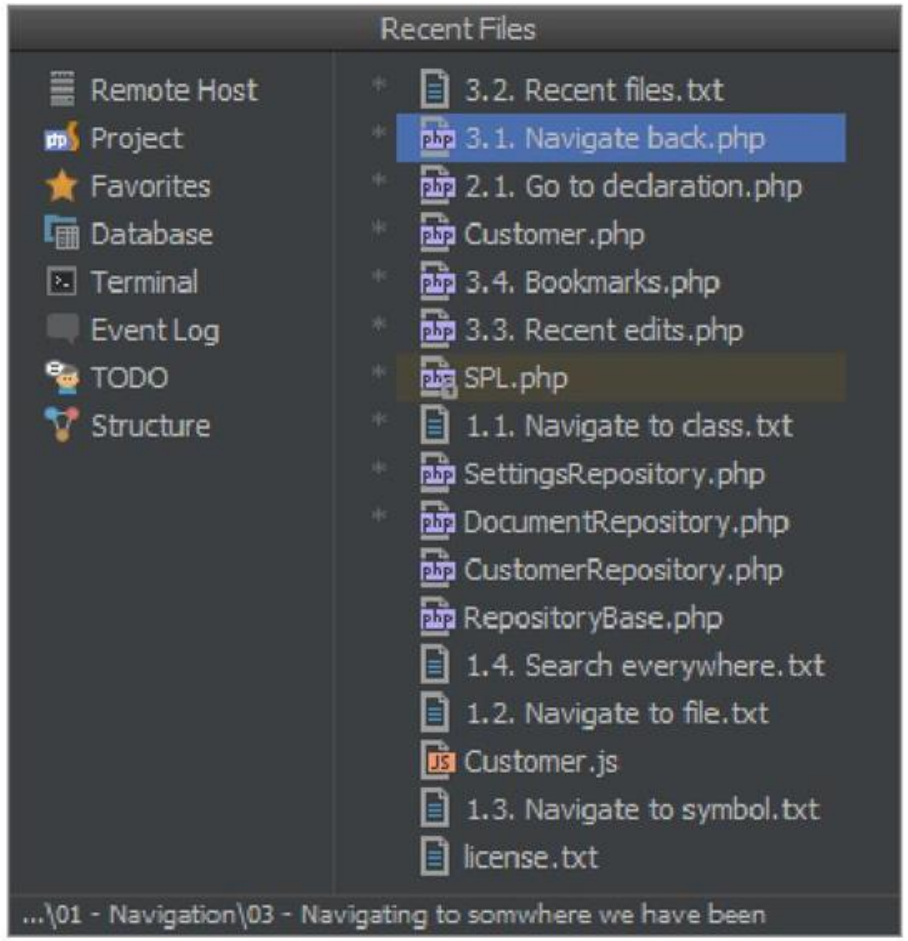
Recent Files

List of recent files

use CamelHumps / wildcards

Ctrl+E

Command+E



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Navigate to Last Edit Location

Use the keyboard shortcut to navigate back to the last edit location.

Ctrl+Shift+Backspace

Shift+Command+Delete

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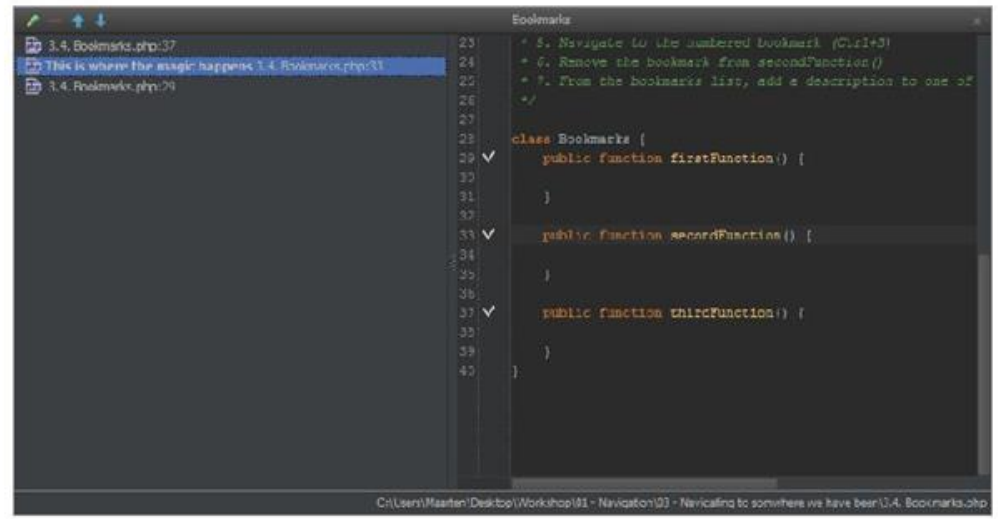
Bookmarks

Navigate between “bookmarked” locations.

F11 Toggle Bookmark
Ctrl+F11 Toggle Numbered Bookmark
Shift+F11 Show bookmarks
Ctrl+0..9 Navigate to numbered bookmark

F3 Toggle Bookmark
Alt+F3 Toggle Numbered Bookmark
Command+F3 Show bookmarks
Ctrl+0..9 Navigate to numbered bookmark



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Highlight Usages in File

Highlights usages of a symbol in the current file. Different colors for read/write.

Esc to clear highlighting.

Ctrl+Shift+F7

Shift+Command+F7

```
public function adjust($original, $delta) {
    $newValue = $original + $delta;

    if ($newValue < self::MIN_VALUE) {
        $newValue = self::MAX_VALUE;
    }
    if ($newValue > self::MIN_VALUE) {
        $newValue = self::MAX_VALUE;
    }

    return $newValue;
}
```

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Find Usages

Find usages of a symbol in the current project. Use tool window or popup.

Alt+F7 (Ctrl+Alt+F7 for popup)

Alt+F7 (Alt+Command+F7 for popup)

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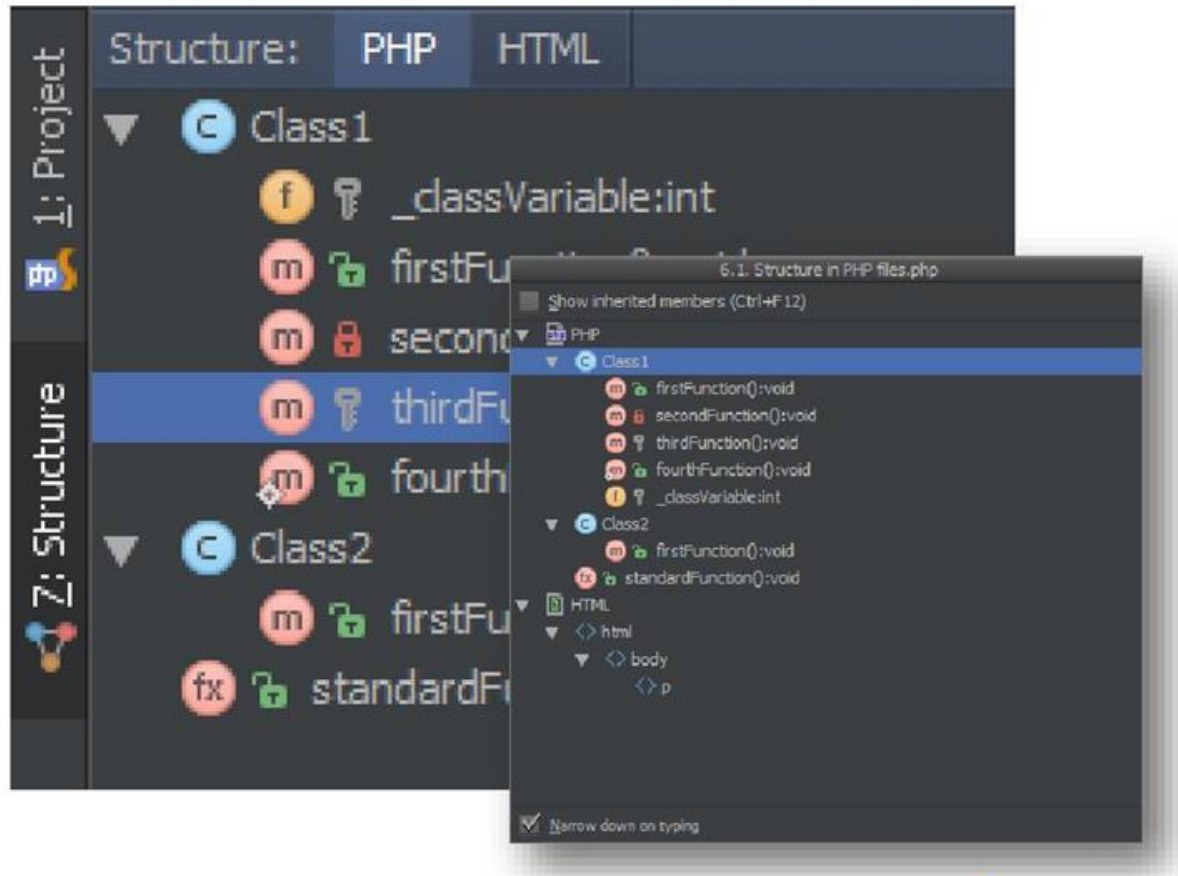
File Structure Tool Window

Displays outline of file: classes, functions (with icons displaying accessibility).

Also shows HTML, JavaScript, CSS, ...



Alt+7 (Ctrl+F12 for popup)

Command+7 (Command+F12 for popup)

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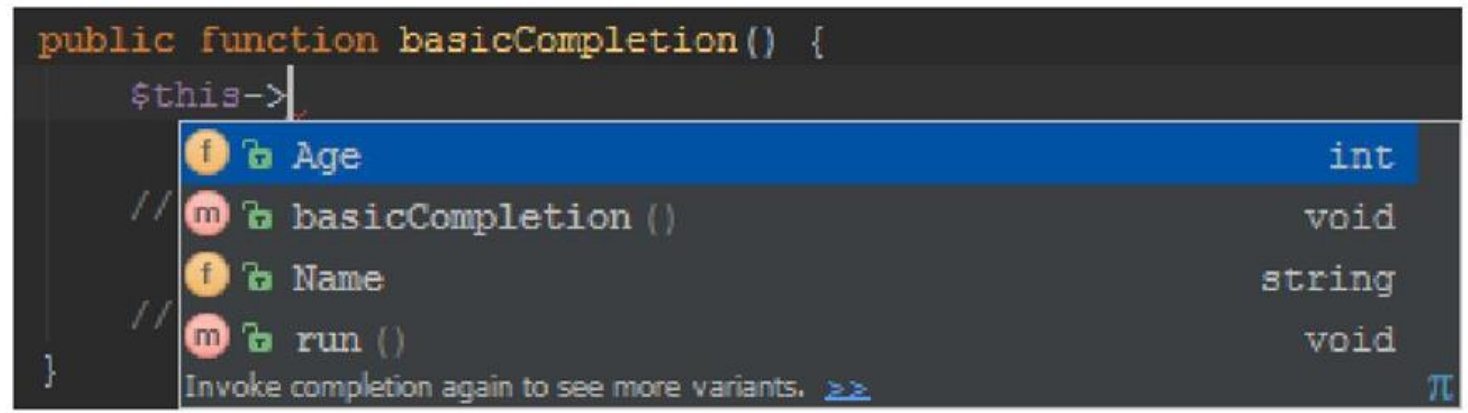
Basic Completion

Basic code completion for the name of any class, method or variable.

- Hit Ctrl+Space twice for more variants
- Also allows path completion



Ctrl+Space (Ctrl+Shift+Enter to complete statement)

Ctrl+Space (Shift+Command+Enter to complete statement)

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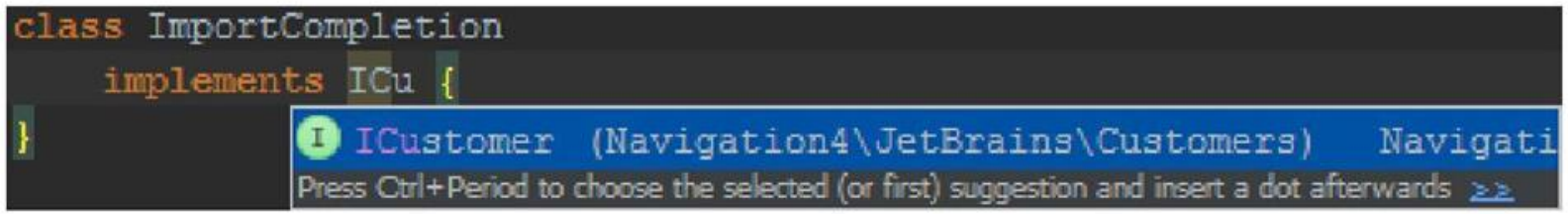
Import Completion

Basic code completion when using classes or functions from other namespaces. Automatically adds import when selected.



Ctrl+Space (Ctrl+Shift+Enter to complete statement)

Ctrl+Space (Shift+Command+Enter to complete statement)

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Selecting Code

Various ways of selecting code.

```
public function extendAndShrinkSelection() {
    $importantValue = 32;
    if ($importantValue > 42) {
        try {
            echo 'More important than 42?';
        } catch (Exception $ex) {
            // 3. Place the cursor on the $ex variable.
            echo $ex->getMessage();
        }
    }
}
```

Ctrl+W to expand, Ctrl+Shift+W to shrink

Alt+Up / Down

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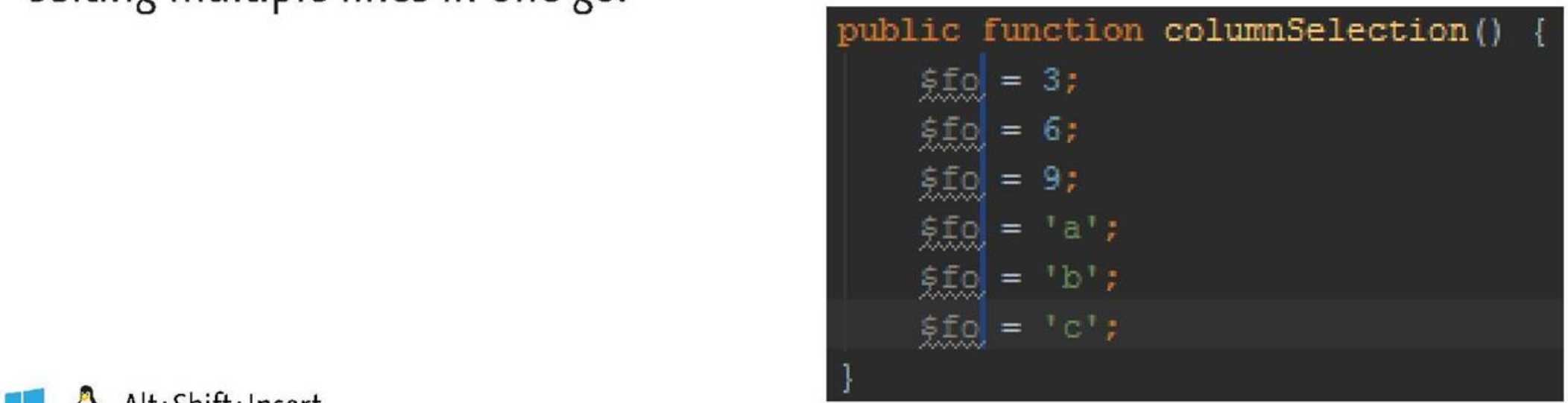
Column Selection

Toggle column selection. Allows editing multiple lines in one go.



Alt+Shift+Insert

Shift+Command+8

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Moving Code

Move code or entire statement up/down.

```
if (3 == 3) {
    // ...
    if (1 == 1) {
        // ...
        echo 'Number one';
    }
    echo 'Number three';
}
```

Shift+Alt+Up / Down (or Shift+Ctrl+Up / Down for statement)

Shift+Alt+Up / Down (or Shift+Command+Up / Down for statement)

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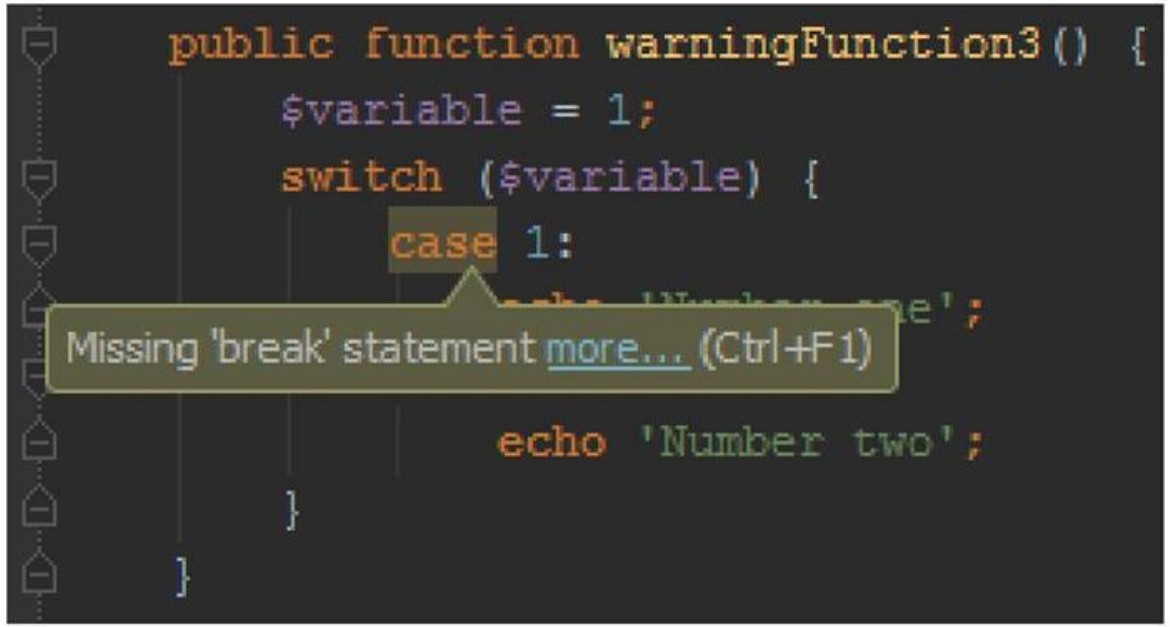
Highlights

In-editor highlighting of code issues.

- Errors
- Warnings
- Suggestions
- Hints
- Dead Code

Can be suppressed.

Support for PHP Code Sniffer / PHP Mess Detector.



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Quick Fixes

Highlights provide a Quick Fix action
to help remove the warning.

Alt+Enter

Alt+Enter

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Navigation

Navigate back and forth between code issues.

F2 / Shift+F2

F2 / Shift+F2

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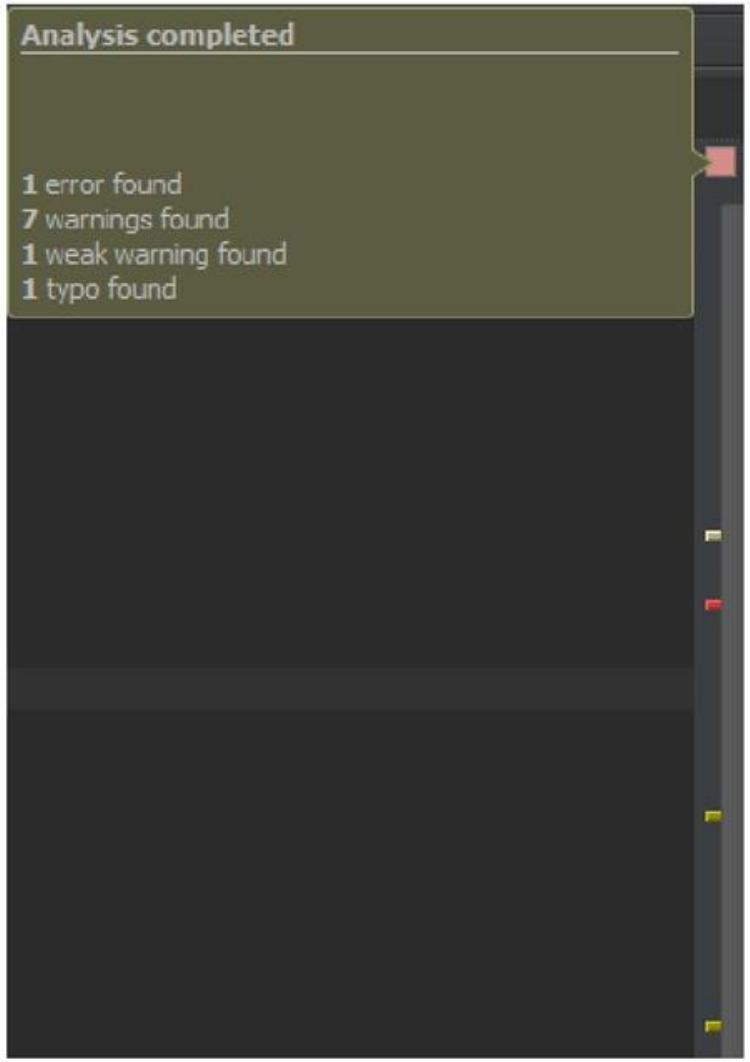
Gutter and Lens

Right gutter displays error information. Use Lens mode for preview.



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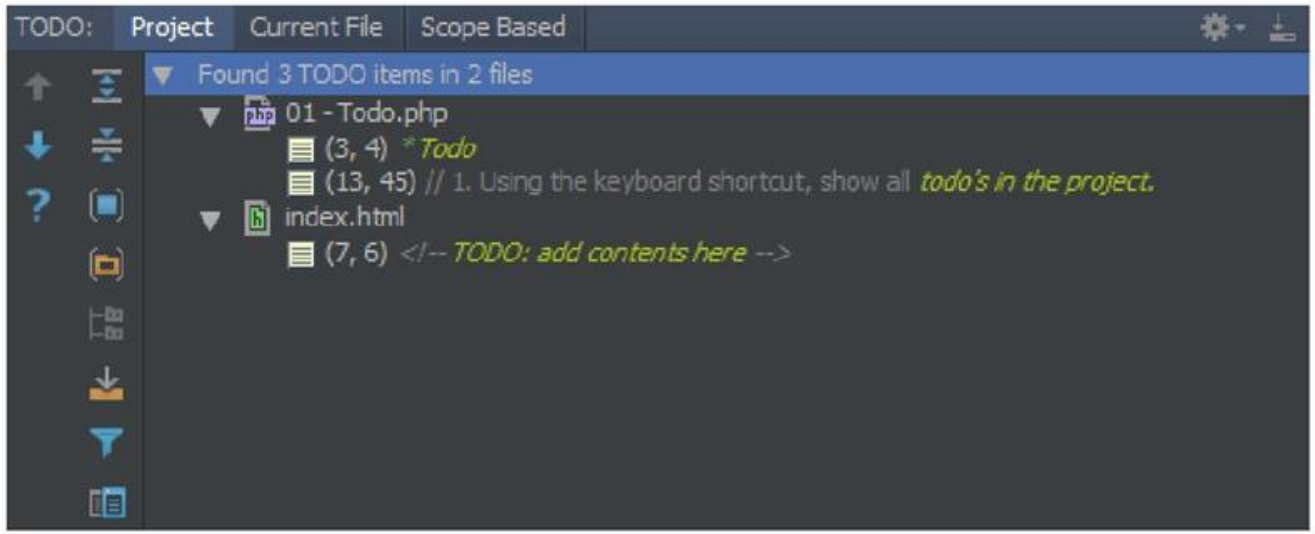
Highlighting TODO

Listing tasks commented in code.

- Work in every file type.
- Default patterns:
  - // todo
  - // fixme



Alt+6

Command+6

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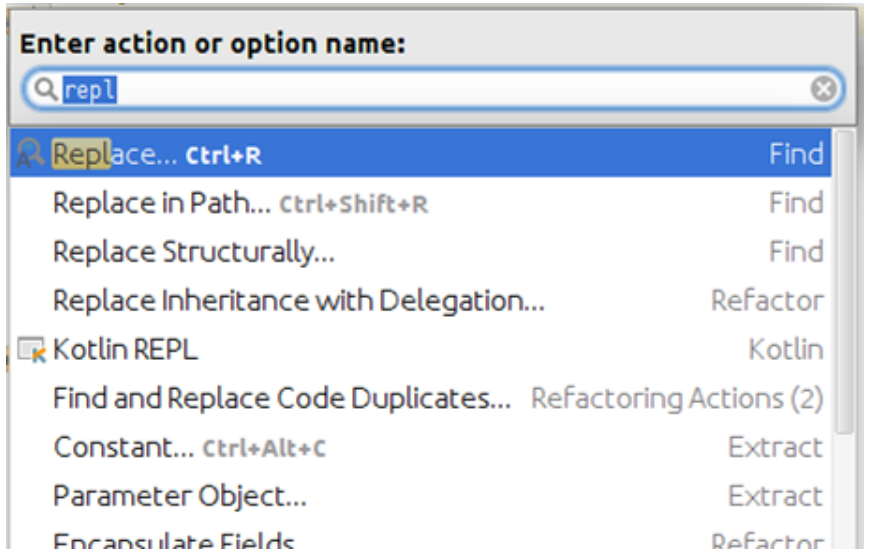
WebStorm – pomoc

- Ctrl+Shift+A – find action
- Ctrl+N – find class
- Ctrl+Shift+N – find file
- Double Shift – search everywhere



WebStorm – edycja

- Ctrl+Y – delete line
- Ctrl+D – duplicate line

WebStorm – nawigacja

- Ctrl+Tab – switch between the tool windows and opened files
- Ctrl+NumPad Plus/Minus – expand or collapse a code block
- Ctrl+E

WebStorm – komentarze

- Ctrl+Slash – comment or uncomment a line with the line comment
- Ctrl+Shift+Slash – comment or uncomment a fragment of code with the block comment

WebStorm – live templates

- itar – iterate elements of array
- itin – iterate elements in …
- func – new function

Dziękuję

Prowadzący: Robert Jemioło

Kurs i materiały Git: https://git-scm.com/book/pl/v1/
Git ludzkim głosem: http://rogerdudler.github.io/git-guide/index.pl.html
Dokumentacja WebStorm: https://www.jetbrains.com/help/webstorm/2016.2/meet-webstorm.html

Materiały iSA dostępne na Githubie pod adresem: https://github.com/infoshareacademy/jfdz3-materialy