



# PyCharm IDE

A must for Python charming



[www.jetbrains.com](http://www.jetbrains.com)

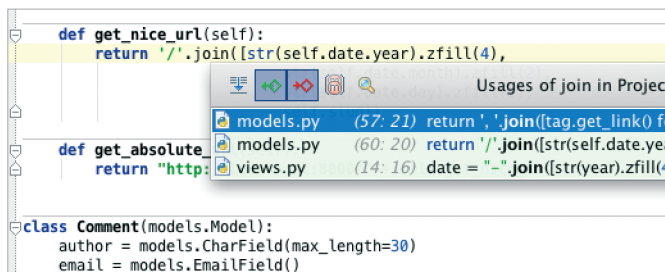
# Key Features

## Code with Guidance and Inspection

Quick Navigation right from the editor:

- Go to declaration — navigates to where the function, variable or label in question is declared.
- Go to symbol — navigates to any symbol in project code.

**Find/Highlight Usages** locates other places in your entire project where a given symbol is used, with quick preview and navigation to the actual usages:



**Inspections** verify Python code for over 40 types of possible errors or code smells such as: proper access to properties, bad exception clause order, inconsistent indentation, etc. Many inspections come with automatic one-click quick-fixes for the detected problems.

## Code Faster with a Smart Editor

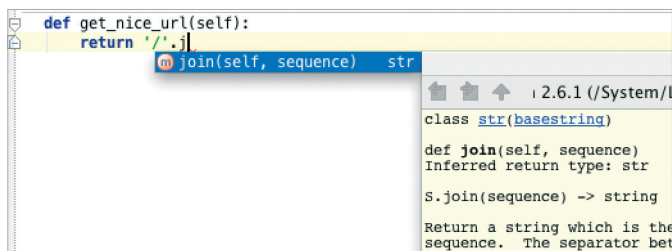
PyCharm takes care of details and helps you code faster. PyCharm provides you with **auto-completion** for Python keywords, classes, variables and more.

**On-the-fly error highlighting** — errors are shown as you type.

**Auto-Indentation and code formatting** — automatic indents inserting on new line. Indents verification and code re-formatting according to PEP 8 style guide or project code-style settings.

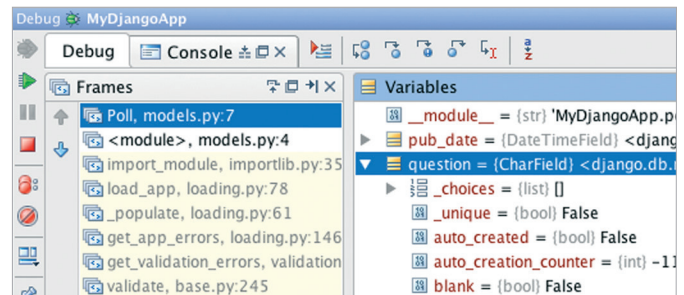
**Line and block commenting** — single keystroke to comment/uncomment current line or selection.

**Quick definition / documentation view** — see the object definition or documentation in-place.



## Hunt Down Code Flaws with Debugger

- Set breakpoints including conditional and exception ones
- Evaluate an expression in runtime
- Execute any Python statement in the Debug console
- Debug remote applications

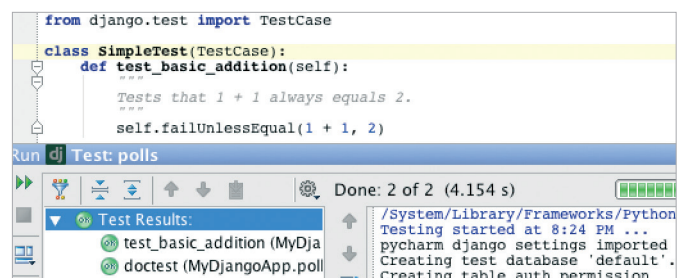


## Interactive Consoles

PyCharm provides **REPL and Django consoles** with many advantages over the standard ones: on-the-fly syntax check with inspections, braces and quotes matching and pairs autoinsertion and of course code completion.

## Test Carefully with unittest, nose, doctest or py.test

Write unit tests, run them quickly from directory, file or class and examine their results in the special test runner UI.



## Refactor Safely

Refactoring capabilities provided both for Python and JavaScript allow you to easily and safely modify the code structure as well as undo the modifications:

- Safe Rename
- Extract Method
- Introduce Field/Variable/Constant
- Extract Superclass
- Pull Up/Push Down
- Inline Variable
- Move/Copy
- Safe Delete

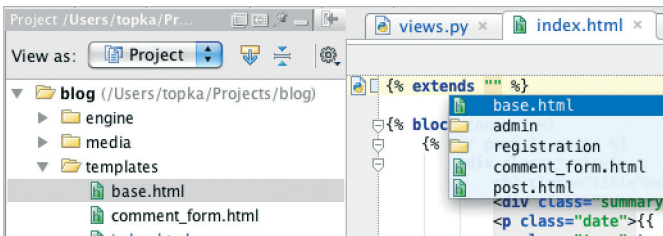
# Web Development

## django

**Code completion** works for Django tags, filters, template variables and parameters passed from view methods.

**Quick documentation** lookup shows information for tags and filters.

**Inspections** verify your code for duplicate block names, tags open-close structure, unresolved template references and more.



### Validation and Quick-Fixes

PyCharm detects and suggests auto-fixes for such problems as:

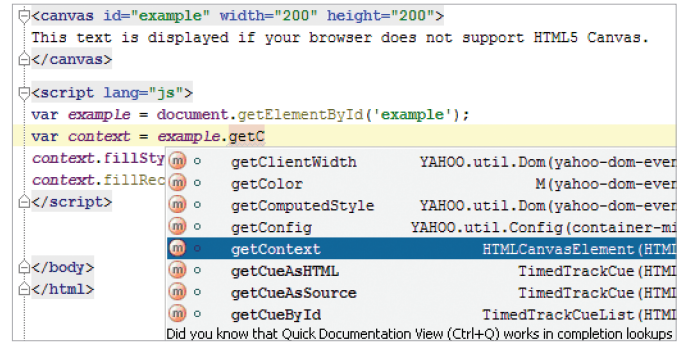
- missing attributes
- wrong references to files
- duplicate attributes
- nvalid CSS selectors
- invalid CSS properties
- and more...



### HTML5 Support



We are constantly improving the IDE to support the latest standards. Now you can easily enjoy HTML5 development with PyCharm. The IDE understands HTML5 tags, attributes, and even helps you with the new JavaScript API:



### Google App Engine Support



Create your Google App Engine applications, run and deploy them to the App Engine server without leaving PyCharm. Enjoy code completion and error highlighting in GQL queries and in YAML configuration files.

### High-speed Coding

HTML Editor allows you to use the power and speed of Zen Coding.

Type `div.feature>h4+p`, press **TAB** and you'll get

```
<div class="feature">
  <h4></h4>
  <p></p>
</div>
```

# IDE Generic

## Version Control Integration

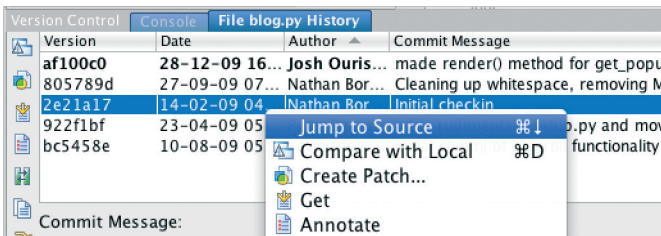
PyCharm supports most popular Version Control Systems: Mercurial, Subversion, Git, Perforce, CVS, etc.

Tight integration with all IDE features allows all the tedious tasks (adding, removing, deleting files) to be performed automatically. A built-in visual diff/merge tool resolves all conflicts in a quick and intuitive manner.

The changes made locally are highlighted as you type in the editor gutter, providing intuitive navigation and a 2-click rollback for individual changes.

```
class LatestPosts(template.Node):
    def __init__(self, limit, var_name):
        self.limit = limit
        self.var_name = var_name
        self.limit = int(limit)
```

Integrated changelists, shelved changes and Repository Changes view make PyCharm a first class VCS client.



## Customizable Cross-platform Workspace

PyCharm runs on Windows, Linux and Mac OS X platforms.

The IDE comes with several editor color schemes bundled and offers broad highlighting customization options.

PyCharm promotes using the keyboard over mouse.

Every common action can be performed from the keyboard.

The IDE offers several pre-built keyboard schemes and a

Vim emulation plugin for a more comfortable learning curve.

Ctrl + F8	Toggle breakpoint	Ctrl + Alt + P	Introduce Parameter
Ctrl + Shift + F8	View breakpoints	VCS/Local History	
Navigation			
Ctrl + N	Go to class	Ctrl + K	Commit project to VCS
Ctrl + Shift + N	Go to file	Ctrl + T	Update project from VCS
Ctrl + Alt + Shift + N	Go to symbol	Alt + Shift + C	View recent changes
Alt + Right/Left	Go to next/previous editor tab	Alt + BackQuote (`)	'VCS' quick popup
F12	Go back to previous tool window	Live Templates	
Esc	Go to editor (from tool window)	Ctrl + Alt + J	Surround with Live Template

# PyCharm Licensing and Pricing

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For companies and organizations	For individual developers	For students and teachers	For trainers and educational institutions	For open source projects
<b>\$199</b>	<b>\$99</b>	<b>\$29</b>	<b>FREE</b>	<b>FREE</b>

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