



The PhpStorm Manual

By-

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About JetBrains

JetBrains is a product advancement organization whose instruments are focused on towards programming engineers and venture chiefs. Starting 2015, the organization has more than 500 workers in its five workplaces: in Prague, Saint Petersburg, Moscow, Munich, and Boston.

Mission: We make professional software development a more productive and enjoyable experience.

We help developers work faster by automating common, repetitive tasks to enable them to stay focused on code design and the big picture. We provide tools to explore and familiarize with code bases faster. Our products make it easy for you to take care of quality during all stages of development and spend less time on maintenance tasks.



At JetBrains, code is our passion. For over 15 years we have strived to make the strongest, most effective developer tools on earth. By automating routine checks and corrections, our tools speed up production, freeing developers to grow, discover and create.

Product Description

JetBrains PhpStorm is a lightning-smart PHP IDE. It's an ultimate development tool for any kind of web development, specially that based on php or/and JavaScript. PhpStorm is also perfect for working with Symfony, Drupal, WordPress, Zend Framework, Laravel, Magento, CakePHP, Yii, and other frameworks.

PhpStorm is a combination of the JetBrains IDE for JavaScript development – WebStorm and PHP and DB/SQL. A powerful combination of these three excellent tools, when in hands of a skilled developer, can make impossible happen. Not only is the vast set of tools supported by PhpStorm so impressive, but also it's capabilities to act as a single window application for any kind of development work, be it related to website designing and development or database processing through web applications.

JetBrains PhpStorm is a professional and intelligent PHP IDE providing developers a mix of powerful intelligent tools, useful everyday actions and best practices for PHP development, all geared towards enhancing developer productivity.



It actually 'gets' your code and deeply understands its structure, supporting all PHP language features for modern and legacy projects. It provides the best code completion, refactoring, on-the-fly error prevention, and more.

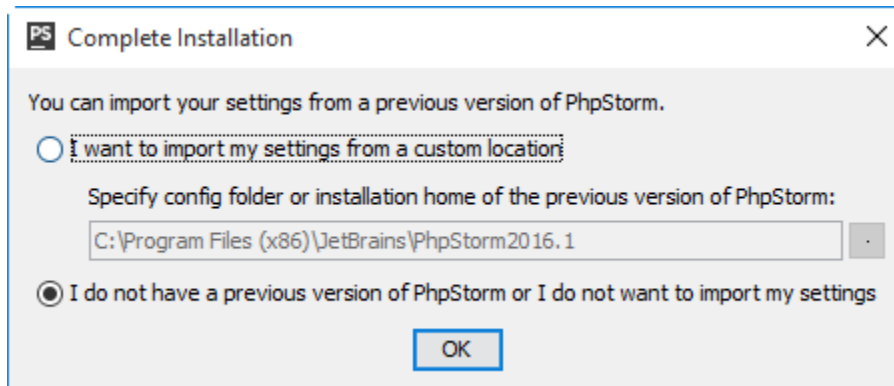
Be the master of your codebase thanks to efficient, lightning-fast features of PhpStorm.

Instructions

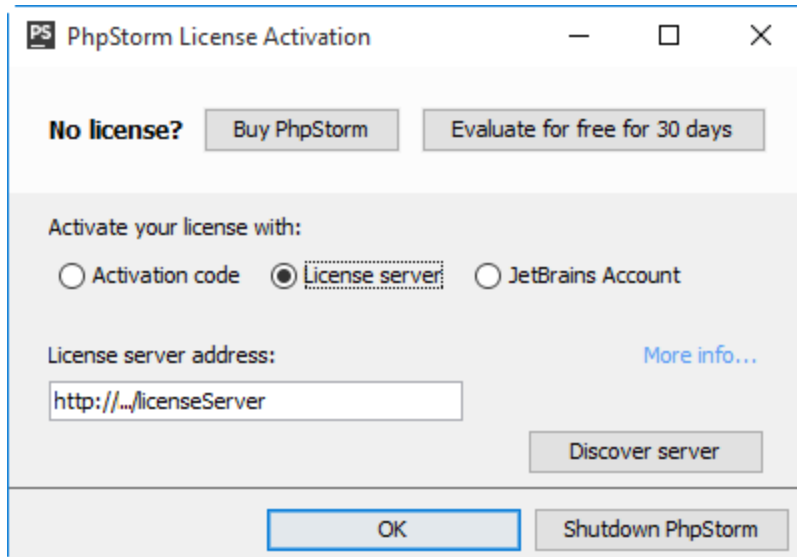
1. [Initial configuration](#)
2. [Setting up new project](#)
3. [Working with projects](#)
4. [Customising the theme](#)
5. [Publishing the project](#)

1. Initial Configuration

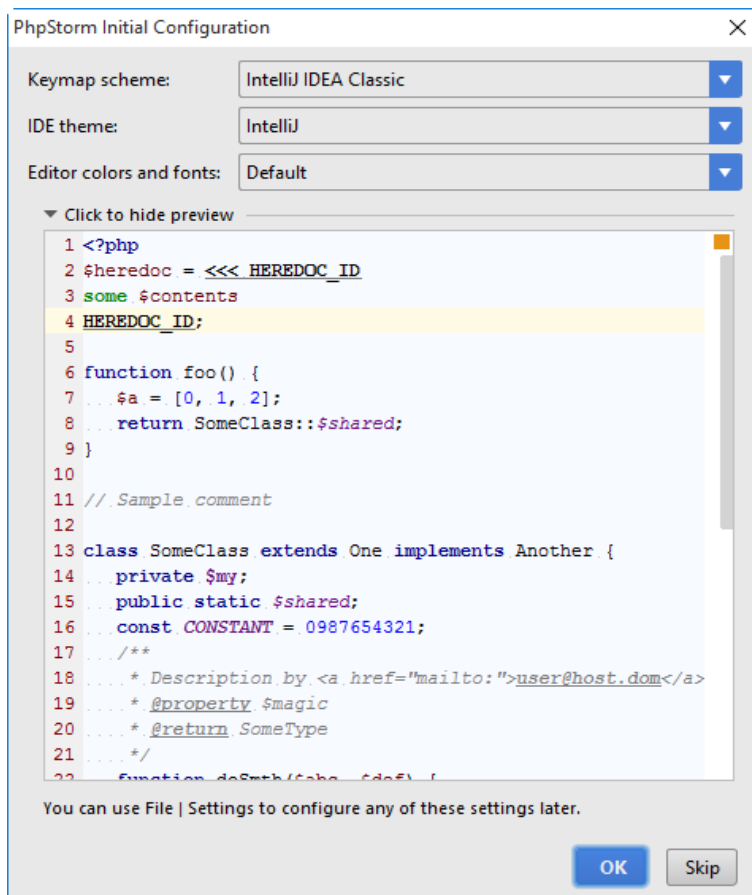
When you start PhpStorm for the very first time, you are asked whether you have a previous version and what to do with the settings. For the purposes of this tutorial, assume that there is no previous version, and click OK:



Next, you get the PhpStorm Licence Activation dialog, where you have to specify your particular license:

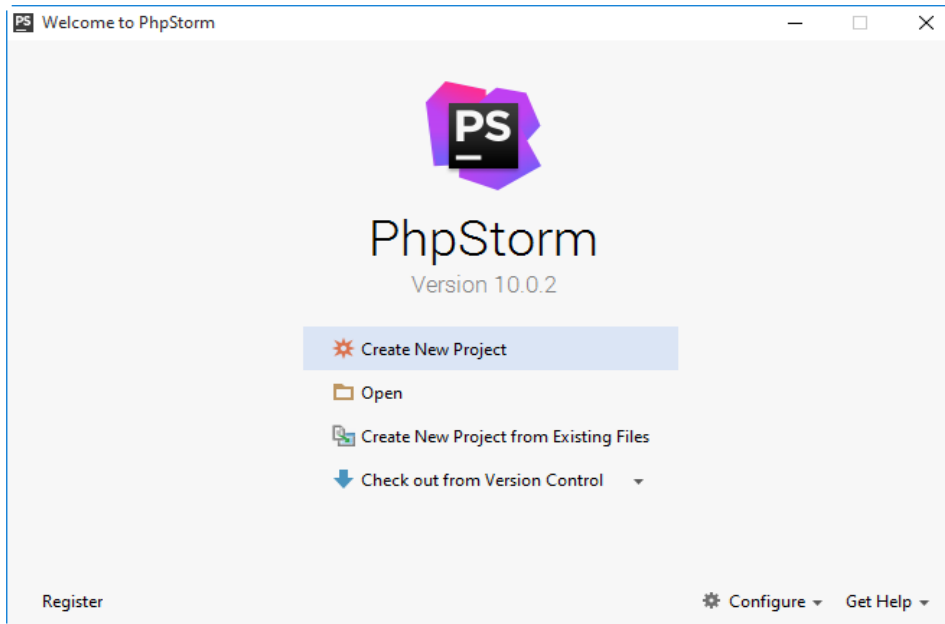


After you have specified your license, PhpStorm shows the initial setup dialog. Here you have to select the keymap and themes of the IDE and editor you want to use. Click the down arrow `arrowDownSmall` (Click to show preview) to assess what your choice will look like:

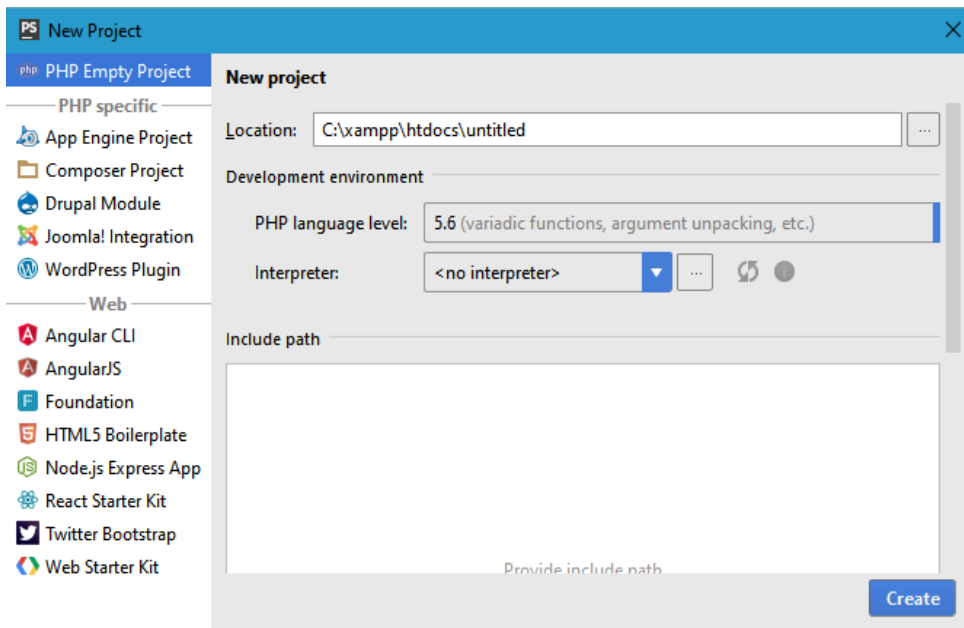


2. Setting up a new project

When you start the PhpStorm for first time, you'll see the Welcome screen. Select the 'Create New Project' option in it.



In the dialog box that opens, select the project type and enter the project properties such as project name, parent folder and project type:

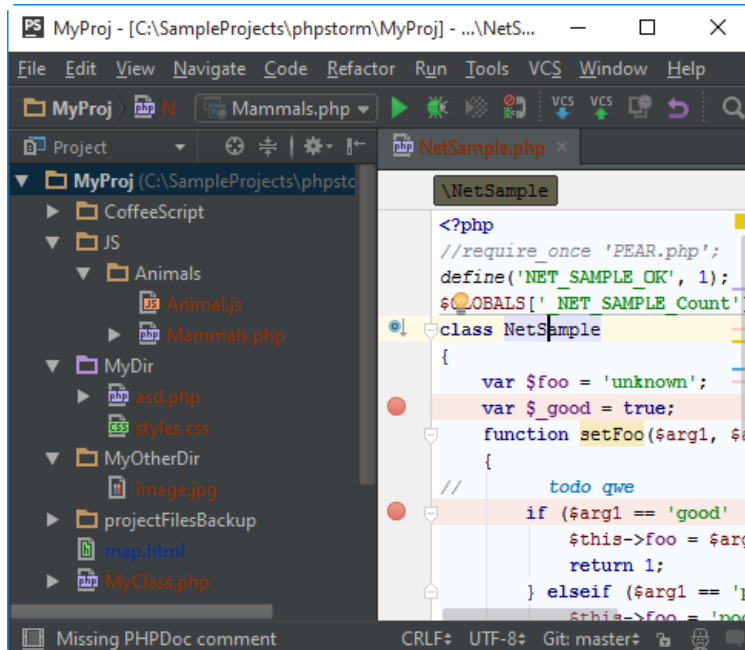


After selecting the option, click on Create to create the project.

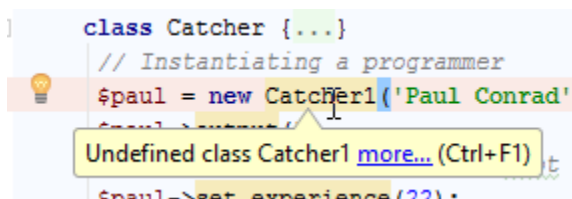
3. Working with projects

Everything we do in PhpStorm is done in the context of a [project](#).

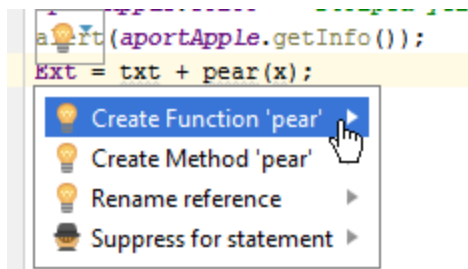
While working with PhpStorm, one of the main feature is the color schema it provides. It also provides syntax colouring. This includes coloring your code, and also your files depending on the commit of changes, if using version control.



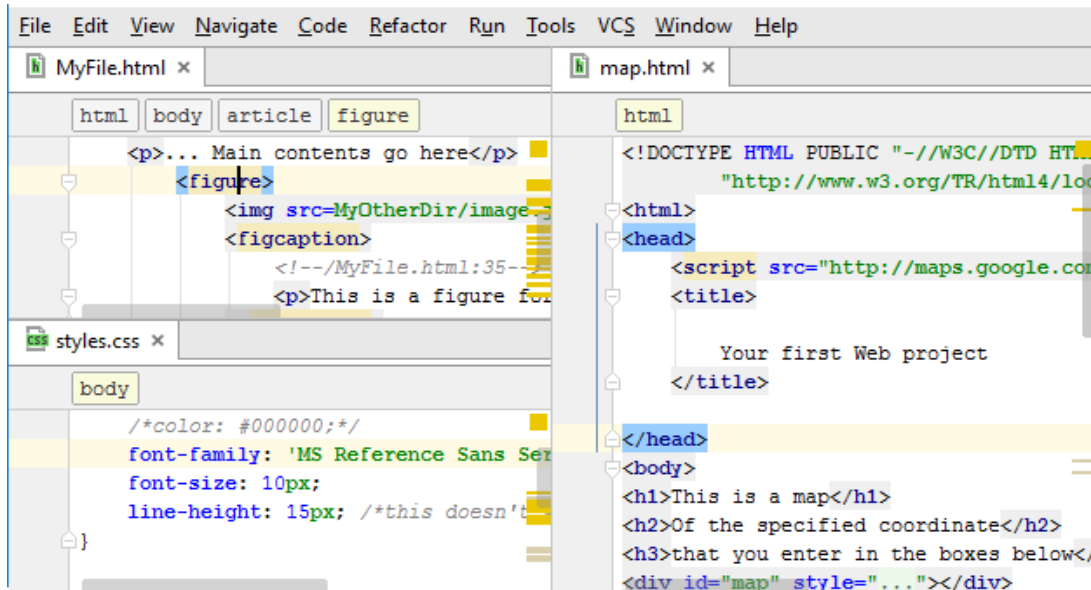
PhpStorm also provides the developer with code analyser. First, as you type, you immediately have all syntactical errors underlined with a red wavy line. If you place the caret at an error location, you will see a brief description of the problem at the tooltip, and also in the left side of the Status Bar. Besides that, you see red stripes along the validation bar, or the marker bar. If you hover your mouse pointer over such a stripe, you see the error description at the tooltip.




To solve such errors, simply place the cursor pointer on the error, and press ALT+ENTER. In this situation, it will automatically create the new method you have declared.




You could also work in multiple files at the same time, by using the split screen option:

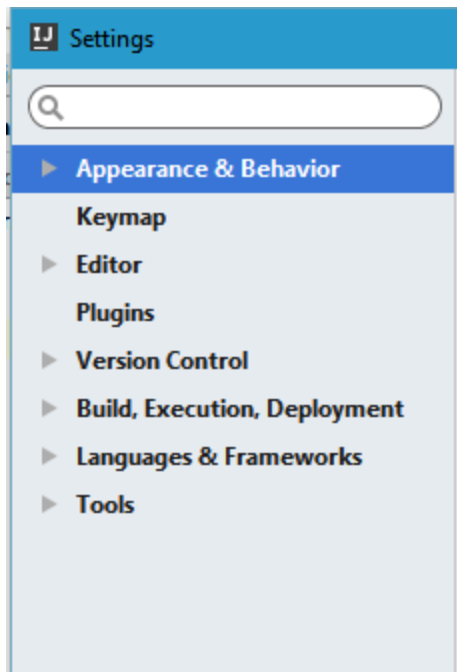


4. Customising the theme

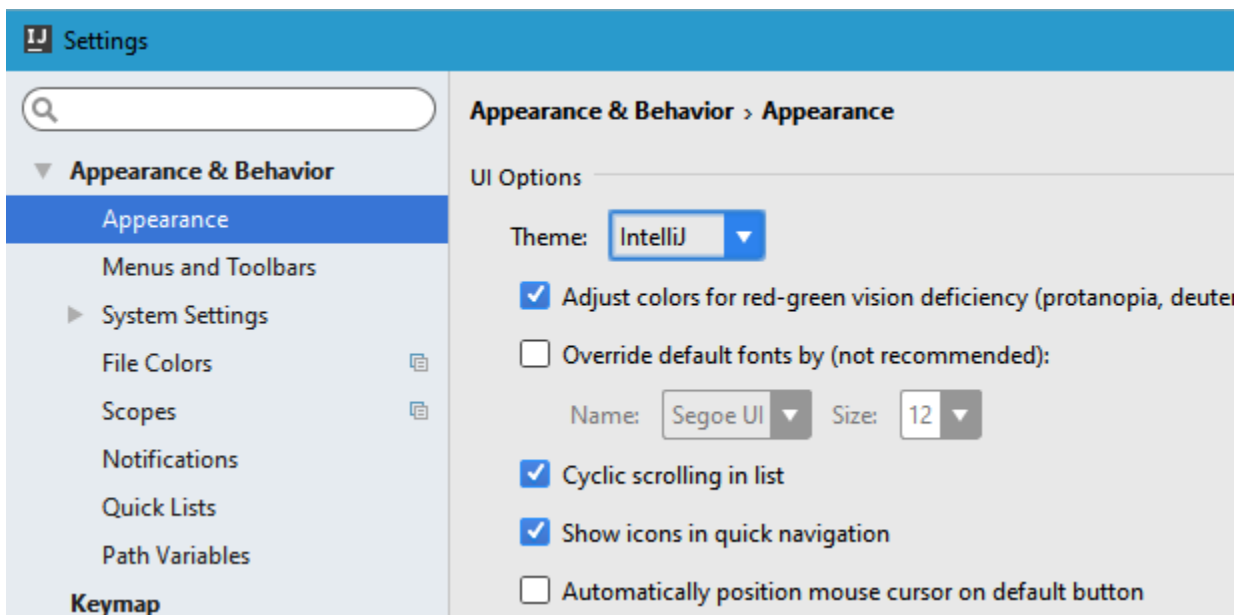
You can change the look and appearance of your work environment from the Settings/Preferences dialog boxes, which can be opened from the file menu, or the by pressing Ctrl + Alt + S. It could also be opened from the main toolbar by clicking on the  icon.

Steps to change the IDE theme:

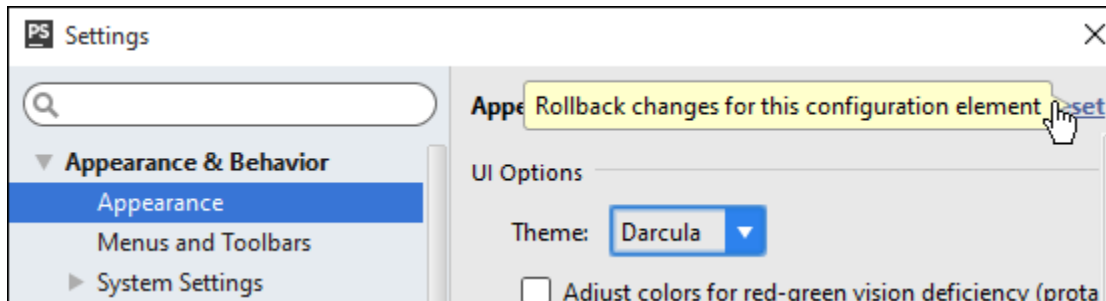
1. Open the Settings dialog box by selecting **Settings** from the file menu or by pressing Ctrl + Alt + S or by clicking on the  icon in the main toolbar.
2. Click on the **Appearance and Behavior**, and then select Appearance from the sub-menu.



3. From the **Theme** menu, select your preferred theme

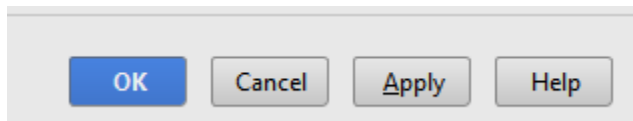


Note the connection Reset that shows up on top of the discourse box - in the event that you've altered your opinion, click it to roll the progressions back. Likewise take note of the catch Apply that gets to be empowered when you float your mouse pointer over it:



Other settings for the IDE, like windows behavior and code colouring, can also be changed from this menu.

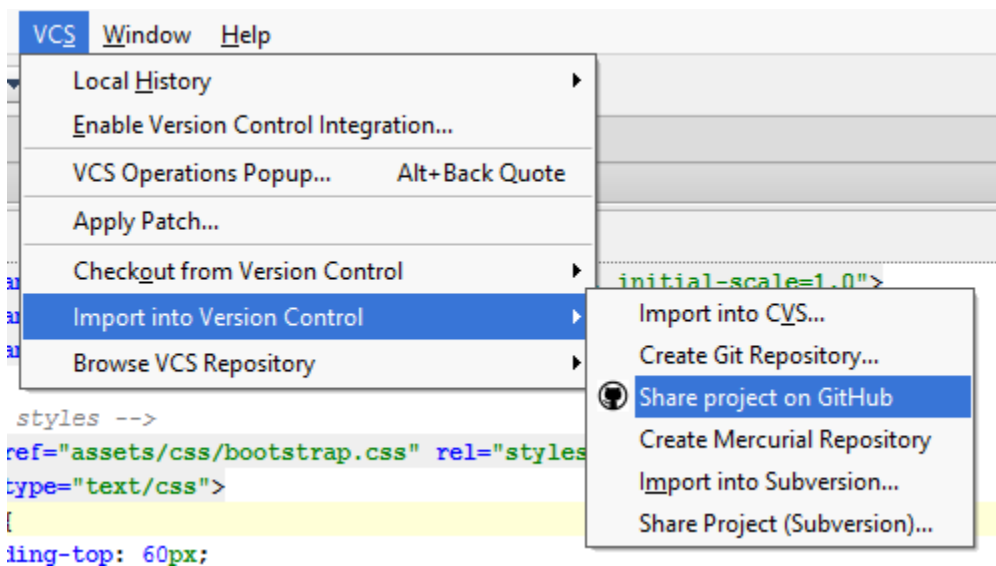
4. To give effect to the changes, click on **Apply** button. You might be asked to restart the IDE, to apply the changes.



5. Publishing the Project to GitHub

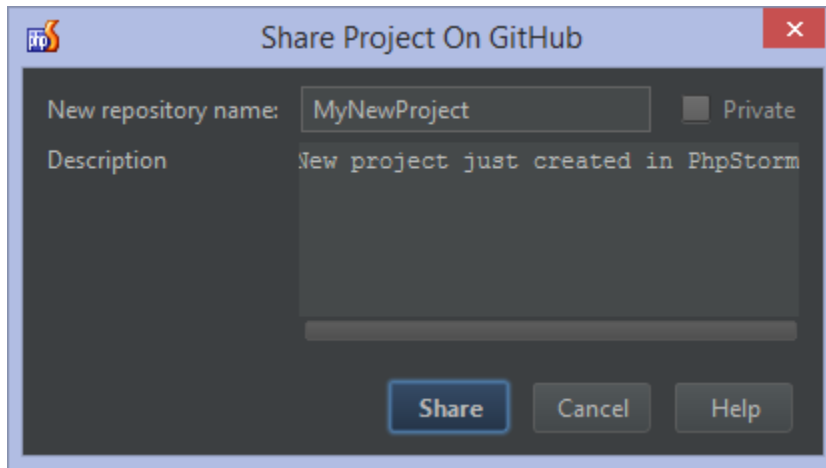
PhpStorm enables you to be free from the burdensome task of deploying your files to the version control system now and then. It allows you to publish your projects to your repository on GitHub, right from your IDE.

1. In the main menu, choose **VCS**, and then select **Share project on GitHub** after selecting **Import into Version Control**



2. A dialog box will appear asking you to enter your GitHub credentials.

3. Once the connection has been established, the Share project on GitHub dialog will open.



4. Enter the name of the repository you want to create for the project.

5. Click on share button when your ready. PhpStorm will create the repository on GitHub and upload the source files to it.

PhpStorm: Ultimate developer in your hands

PhpStorm is not just an IDE, it's an intelligent development application. It suggests you on how to improve your code as you write, manages the debugging and testing of your program, assist you in easy deployment and publishing of your project.

Some of the unique features of PhpStorm:

Front-end technologies included

Make the most of the cutting edge front-end technologies, such as HTML5, CSS, Sass, Less, Stylus, CoffeeScript, TypeScript, Emmet, and JavaScript, with refactorings, debugging and unit testing available. See changes instantly in the browser thanks to Live Edit.

Built-in developer tools

Perform many routine tasks right from the IDE, thanks to Version Control Systems integration, support for remote deployment, databases/SQL, command-line tools, Vagrant, Composer, REST Client, and many other tools.

Intelligent Coding Assistance

Hundreds of inspections take care of verifying your code as you type, analyzing the whole project. PHPDoc support, code (re)arranger and formatter, quick-fixes, and other features help you write neat code that's easy to maintain.

Easy Debugging and Testing

PhpStorm is renowned for its zero-configuration Visual Debugger, providing extraordinary insight into what goes on in your application at every step. It works with Xdebug and Zend Debugger, and can be used both locally and remotely. Unit Testing with PHPUnit, BDD with Behat and profiler integration are also available.

Improved Type Inference

Major changes were made in type inference, such as type inference of array elements from PHP array functions, type inference for elements and keys of Iterator and IteratorAggregate and unload implementations. It brings even deeper understanding of PHP language, and helps you type less to have your code written.

```
class User {
    public function getName(){
        return "name";
    }
}

class UsersCollection implements \IteratorAggregate {
    /**
     * @return User[]
     */
    public function getIterator() {
        return new \ArrayIterator(array(new User()));
    }
}

$collection = new UsersCollection();
foreach($collection as $user){
    echo $user->
}

getName() string
Invoke completion again to see more variants.
```

Appendix A: Record of Testing and Information Plan

Information Plan

Prior to the development of this manual, extensive audience and task analysis were performed to determine the most appropriate content to be added and in the most appropriate way. Our analysis reveal that primary users are male between the age of 22 to 49. Most of the new users of this manual will have some background in web development, especially with PHP programming language or are already a user of other JetBrains products. Since, this downloadable product is only available online, any

user with internet connection anywhere in the world can download it. Although most of the members are impressed by the improvement in their development speed due to the usage of this IDE, some find it overwhelming at times with too much functionality being available at a time.

Our task analysis revealed three main tasks this manual must address:

1. Setting up the IDE for first time for PHP development. User may also need brief information about using other technologies as well like JavaScript, Ruby and PHP frameworks.
2. How to create a new project. User may need all the information required to start a new project with certain requirements and details of pre-installed tools and frameworks for setting up a project quickly.
3. How to perform basic operations in a development project. User may want information regarding testing, debugging and documenting the project files.
4. How to publish the project. User will need information on how to deploy the project on the required platform.
5. How to change basic settings of the IDE. User may want to change the appearance or shortcuts key scheme for the development in IDE.

Testing

Technical level of Audience Participants

Two participants were chosen to test the instructions manual. Participant A (my web programming course instructor), and participant B (my colleague at a web development firm). This gathering of members was picked trying to gather an example that spoken to each diverse specialized level of crowd part to guarantee that the manual was usable to different talk groups (propelled, middle, and amateur).

Volunteer Input (summary):

- Subject A (Advanced):
While following the instructions from the pictorials were easy, the extra information provided with each graphics was also really helpful. The representation of the steps in a very structural format, along with alternative paths laid out for the same task in parallel, made the understanding of the procedure really quick and easy. The only problem found was in the theme of the pictures used. Most of the picture were depicting the dark theme of the IDE, which was not very clear, therefore a little bit difficult to understand.
- Subject B (Intermediate):
The visuals definitely helped in following along the steps. One really good thing was that there were not too many steps given for each single task, rather the whole goal was broken down to smaller pieces, and then explained with individual but simpler and smaller steps, which made it way more easier to find information and also retaining the information. It could have been even

better though, if the graphics could be supported with a bit more text information, I didn't find it quite sufficient.

Changes to be made to document following testing analysis:

Following the testing and re-analysis of the manual, following changes were made:

1. The pictures used in the manuals previous version were mostly based on the dark theme of the PhpStorm IDE, which were not so clear to read and see information. Therefore, all dark themed images were replaced with the light cream theme based images.
2. The text information provided with the graphics wasn't found to be sufficient, so extra points were added near the images, just to explain the working procedure of that step in a more elaborate manner.

References

PhpStorm Quick Start Manual (2016). Retrieved August 2, 2016, from JetBrains:

<https://www.jetbrains.com/help/phpstorm/2016.2/quick-start-guide.html>

John Beales: PhpStorm Review (2015). Retrieved August 3, 2016, from John Beales:

<http://www.johnbeales.com/2015/phpstorm-review/>