WordPress plug-in development

## Introduction. General information about WordPress plug-ins.

Plug-in (from eng. plug-in) - independently compiling programming module, dynamically plugging to main program intended to expand and/or using its capabilities. Also can be translated as "module". Plug-ins are usually performed in the form of libraries.

## Mechanism

Main application provides services that can be used by a plug-in. That includes a plug-in has a possibility to register itself in the main application and also a protocol of data exchanging with other plug-ins. Plug-ins are dependent on services that a main application provides with and mostly are not used separately. In contrast, the core application operates plug-ins independently providing end users with possibility to add and update plug-ins dynamically without requiring changes to core application.

## Examples

A plug-in to a Raster graphics editor (specialized program designed to create and image processing) can be a filter that in any way changes an image, palette, etc. Often in the form of plug-in runs a file format support, for example, for audio and video players, office application packages, sound and graphics processing software. In sound processing software plug-ins are doing the processing and creating sound effects, for example, mastering, the use of EQ and dynamic range compression. Some plug-ins change sound technical characteristics: depth, sample rate, etc. Very popular are plug-ins for email programs, such as spam filters, plug-ins for checking emails with antivirus and etc.

## List of programs

### Programs that are widely known with their API for plug-ins:

* Download Master
* Eclipse
* Far Manager
* jEdit
* Microsoft Visual Studio
* Miranda IM
* Photoshop
* Total Commander
* QIP Infium
* Qutim
* foobar2000

## So why do you need a stage such as WordPress plug-in development?

### It has to be written because of the following reasons:

1. Because of the research interest (to better understand the mechanism of the engine);
2. Because of the lack of implementation of some necessary functions in already existing plug-ins or because of the dissatisfaction of already available implementations;
3. Of the mercantile interests, in case your plug-in is published on wordpress.org a direct link will be maintained to your website that will lead unique visitors and "flow" PageRank. Besides, if a plug-in is written mostly thanks to the second item in this list you will get the downloads that can lead to the appearance of links on plug-in users sites in future.

As we see, reasons are more than strong and it means put away your doubts and hesitations as you need to have a written plug-in for WordPress! What do you need to write your own plug-in for WordPress?

### You need to posess minimum of knowledge to write a WordPress plug-in:

* Minimum of knowledge of PHP programming language;
* Minimum of SQL knowledge, mySQL in particular. Understanding of how to create new tables in a database, contribute and update information, fetch from the database.
* Definitely an idea for a future plug-in is needed. What will it do, how will it do it? What can be added in future and how to develop a plug-in? An idea is a very individual thing. As almost all WordPress plug-ins are opensource-developments, you can modify some of the existing plug-ins.
* Convenient text editor. Windows Notepad will not help. As for example, you can use cross-platform (which is especially valuable if you have Windows) IDE called Geany.

Now you can see that WordPress plug-in development is not only a wide spread thing but it is absolutely necessary for main engine functional increasing. Face It has great programmers and experts in WordPress plug-in development that will develop a plug-in according to your preferences and requirements. Our professional team will help you obtain a plug-in by your needs.