INNOVATIVE WEB PROGRAMMING TRAINING OPPORTUNITIES USING CMS SYSTEM

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Annotation: In the article What programs are CMS, advantages and disadvantages of CMS, Joomla! is the best CMS, the history of its creation, the advantages of using Joomla! in innovative teaching.

Keywords: CMS, Joomla! Mambo, HTML, PHP, advantages, disadvantages.

In recent years, the Internet has developed rapidly, the flow of information has increased, and the purpose of most sites has not changed, and from source to source, people need approximately the same set of functions. It solves the problem of quickly creating sites that are functionally similar and have become a CMS - a content management system.

CMS is the so-called "engine" or "skeleton" of the site - basic functionality with ready-made themes. The webmaster only needs to upload the CMS files to the server, adapt it to his needs, choose a theme and correct it if necessary, as well as fill the site with content - text, photos, videos, etc.

CMS are written in various programming languages (mainly PHP), but they always use CSS and HTML codes, so knowledge of these development tools is always useful.

Hundreds and thousands of developers from different countries support free open source CMS. New plugins and themes are constantly being created for them [1].

Basically, in a free CMS, you can make not only a blog or a gallery, but also an online store and a corporate portal. These CMSs also have their drawbacks. If one company is dealing with a system that makes money, for which the output of its brain is important, then anyone can write a theme or module for the engine for free. Therefore, extensions are not always safe, not always of high quality - the stability of free systems suffers.

Joomla! is one of the most popular CMS. Joomla is a relatively young content management system. Joomla! Its famous predecessor, Manbo (formerly MOS, Mambo in Russian), was the result of many years of work [2] [4].

The developer group Joomla! 1.0 was based on Source 4.5.2.3, and this is where the two systems diverged. Joomla! represents a collection of scripts written in the PHP programming language[2]. This language was specially developed for writing web applications. Web applications have two code-executing "sides" - a server and a client. HTML, CSS, JavaScript for the client side. The server part includes ASP, JAVA, PHP, etc. Accordingly, in order to work with Joomla scripts, it is necessary to have a web server using PHP and MySQL (Apache version 1.3 and higher is recommended) and the user must have a web browser (the most popular ones are Internet Explorer, Mozilla Firefox, Opera). necessary. Usually web-server is the advantage of hosters, but you can install DENWER quite simply and quickly, it will be installed on your computer by a ready-made web-server software package Taminot, in which you can Joomla! you can open and install . Joomla! where did the name come from? Joomla! the name was chosen as a result of a competition evaluated by experts in the field of branding and marketing. The name JOOMLA is based on the word "JOOMLA", which translates to "All together" or "in general", because many of the groups involved in the Manbo project are the creators and the real reason for Manbo's success. they were not indifferent in seeking to protect the interests of the community [3] [7].

Joomla! How is it different from other systems?

Joomla has tried to keep things as simple as possible while at the same time providing great possibilities. Finally, non-programming people can have full control of their sites without the use of unmetered tools in closed-source software [6].

Joomla! The important advantages of:

1. The system makes work on the site extremely convenient and eliminates the need to manually write the codes of all pages (this is especially important for large online resources). Enter the control panel to make changes and use the simple and convenient interface.

2. Joomla! allows the user not to worry about technical processes and thus significantly saves time. You only need to work on the visual design of the pages and, if necessary, improve the functionality.

3. The entire community participates in the testing of popular content management systems, which allows developers to identify bugs that they fix in updates. Its own development cannot boast of such an advantage.

4. Joomla! is an important tool in detecting spam and removing unnecessary content from the site.

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