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Assignment 2

CMS stands for content management system. CMS is a computer application that helps authors who are not good in web development like HTML, CSS or Java to build a web page. The application publishes, deletes, and organizes pages. The app also creates, modifies and removes content from the website without a webmaster.

CMS provides tracking of all the versions of work. It shows who changed what and when. It has different permission levels to manage the website; this ensures every user can change what they are responsible for. For example, when an author creates a new page the CMS will ask for approval from the manger.

Open source CMS tools are free source code built by interested people from all over the world. But even though the code is free one should have skills and time to modify the code and pay for a host.

Pros of open source code CMS are:

* You can customize them to what you want anytime you want.
* They are cheaper than proprietary CMS.
* You can keep them updated and free of bugs.
* You own the code.

Cons of open source code CMS are:

* Custom builds could be expensive.
* May not be able to find the platforms you want.
* Some of the platforms are hard to use.

I found those five open source CMS tools WordPress, Joomla, Drupal, Dotclear and Hippo CMS. They all are free to use. They have full text search, Multi -user system and multiple projects except for Joomla. The template languages they use are PHP and HTML5. Hippo CMS uses JSF and Freemarker (Java). They have a database like MySQL and PostgreSQL. They have Trackback functions. Dotclear and WordPress are for beginners. Drupal and Joomla are for intermediate users. Hippo CMS is for advanced users. In addition, WordPress, Dotclear and Joomla have mobile support. Joomla and WordPress are easy to learn. WordPress has a zip archive in it. They have blogs, discussion/forums, events calendar, FAQ management, photo gallery, polls, site map, search engine, contact management, link management, and mail form. They do have a Clipboard feature. Hippo CMS does not have FTP support, CGL-mode support, inventory management, expense reports and document management.

Proprietary CMS tools are for building a website or if you want your website made by a company. It saves you time and money in the short run because when you have proprietary CMS tools you pay a monthly fee.

Pros of proprietary CMS are:

* It is cheaper in the short run than paying developers.
* Less spam because it less popular.
* A Company/party takes care of everything.
* Good if you only care for tending to content and are not interested in the technology behind it.

Cons of proprietary CMS are:

* It is expensive in the long run because you can't own it.
* You cannot own the source code of the website.
* Lack of customization.
* Lack of platform variety.

I found those five proprietary CMS tools Telerik’s Sitefinity CMS, Kentico CMS, SiteCore, Ektron, and Autonomy TeamSite. They all use IIS/.Net application server. Most of them use C# for programming except for Autonomy TeamSite uses Java. Autonomy TeamSite is the only one can do CGI-mode support. They have blog, discussion/forums, events calendar, FAQ management, photo gallery, polls, site map, search engine and contact management for free of charge. Some company some feature than other for example, Kentico, SiteCore and Sitefinity have free chat build in the website. They all cost differently, for example Sitefinity starts at $499 and Kentico CMS is $2000. Ektron CMS and SiteCore have pricing proportional to size but they start at $15000 for SiteCore and $30000 for Ektron CMS.

I recommend to our client WordPress because it is easy to use and has many useful features for KSAO website for example, polls, chat, discussion / forum, contact management, weather, site map and more. The most important thing is easy to work with so they can change anytime they want.