

Manage Website Template That Using Content Management System Joomla

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الخلاصة :

سوف نتطرق في هذا البحث الى مفاهيم اساسية كيفية ادراة قوالب المواقع التي تستخدم نظام ادارة المحتوى " جملة " نعني بها المميزات والدوال والتطبيقات الشائعة التي تستخدم في نظام ادارة المحتوى " جملة " والتي تستخدم لانشاء اكثر المواقع شعبية في العالم . بعد ذلك سوف نركز على مجموعة من المقاطع البرمجية والاجراءات والتقنيات وتعلم كيفية تطبيقها لادارة وتخصيص مواقعنا وخاصة القوالب .

ABSTRACT

In this paper we introduce the important concepts how to manage website template that using content management system Joomla. We mean the features, functions and common applications of content management system Joomla which is used to build most popular websites in the world. After that we focus on group of codes and procedures and techniques on how to manage and customize our websites especially on template.

Keywords- CMS; Joomla! ; Template; PHP

INTROUDECTION

A content management system is software that keeps track of every piece of content on your Web site; much like your local public library keeps track of books and stores them. Content can be simple text, photos, music, video, documents, or just about anything you can think of. A major advantage of using a CMS is that it requires almost no technical skill or knowledge to manage [1].

Joomla is an award-winning content management system (CMS), which enables you to build Web sites and powerful online applications. Many aspects, including its ease-of-use and extensibility, have made Joomla the most popular Web site software available. Best of all, Joomla is an open source solution that is freely available to everyone [1].

FEATURES OF JOOMLA!^[2]

Joomla is so much more than just a powerful content management system. Here is a list of features "out of the box," but the true power of Joomla is in its extensibility^[2].

- **User Management**

Joomla has a registration system that allows users to configure personal options. There are nine user groups with various types of permissions on what users are allowed to access, edit, publish and administrate.

Authentication is an important part of user management and Joomla support multiple protocols, including LDAP, OpenID, and even Gmail. This allows users to use their existing account information to streamline the registration process.

- **Media Manager**

The Media Manager is the tool for easily managing media files or folders and you can configure the MIME type settings to handle any type of file. The Media Manager is integrated into the Article Editor tool so you can grab images and other files at any time.

- **Language Manager**

There is international support for many world languages and UTF-8 encoding. If you need your Web site in one language and the administrator panel in another, multiple languages are possible.

- **Banner Management**

It's easy to set up banners on your Web site using the Banner Manager, starting with creating a client profile. Once you add campaigns and as many banners as you need, you can set impression numbers, special URLs, and more.

- **Contact Management**

The Contact Manager helps your users to find the right person and their contact information. It also supports multiple contact forms going to specific individuals as well as groups.

- **Polls**

If you want to find out more about your users, it's easy to create polls with multiple options.

- **Search**

Help navigate users to most popular search items and provide the admin with search statistics.

- **Web Link Management**

Providing link resources for site users is simple and you can sort them into categories, even count every click.

- **Content Management**

Joomla's simplified three-tiered system of articles makes organizing your content a snap. You can organize your content any way you want and not necessarily how it will be on your Web site. Your users can rate articles, e-mail them to a friend, or automatically save a PDF (with UTF-8 support for all languages). Administrators can archive content for safekeeping, hiding it from site visitors.

On public Web sites, built-in e-mail cloaking protects email addresses from spambots.

Creating content is simple with the WYSIWYG editor, giving even novice users the ability to combine text, images in an attractive way. Once you've created your articles, there are a number of pre-installed modules to show the most popular articles, latest new items, newsflashes, related articles, and more.

- **Syndication and Newsfeed Management**

With Joomla, it's easy to syndicate your site content, allowing your users to subscribe to new content in their favorite RSS reader. It's equally easy to integrate RSS feeds from other sources and aggregate them all on your site.

- **Menu Manager**

The Menu Manager allows you to create as many menus and menu items as you need. You can structure your menu hierarchy (and nested menu items) completely independent of your content structure. Put one menu in multiple places and in any style you want; use rollovers, dropdown, flyouts and just about any other navigation system you can think of. Also automatic breadcrumbs are generated to help navigate your site users.

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- **Template Management**

Templates in Joomla are a powerful way to make your site look exactly the way you want and either use a single template for the entire site or a separate template for each site section. The

level of visual control goes a step further with powerful template overrides, allowing you to customize each part of your pages.

- **Integrated Help System**

Joomla has a built-in help section to assist users with finding what they need. A glossary explains the terms in plain English, a version checker makes sure you're using the latest version, a system information tool helps you troubleshoot, and, if all else fails, links to a wealth of online resources for additional help and support.

- **System Features**

Speedy page loads are possible with page caching, granular-level module caching, and GZIP page compression.

If your system administrator needs to troubleshoot an issue, debugging mode and error reporting are invaluable.

The FTP Layer allows file operations (like installing Extensions) without having to make all the folders and files writable, making your site administrator's life easier and increasing the security of your site.

Administrators quickly and efficiently communicate with users one-on-one through private messaging or all site users via the mass mailing system.

- **Web Services**

With Web services, you can use Remote Procedure Calls (via HTTP and XML). You can also integrate XML-RPC services with the Blogger and Joomla APIs.

- **Powerful Extensibility**

These are just some of the basic Joomla features and the real power is in the way you customize Joomla. Visit the [Joomla Extensions Directory](#) to see thousands of ways to enhance Joomla to suit your needs.

CUSTOMIZING WEBSITE

In this study has been learn how to manage and customize website, and we know the website consist of so many parts like template, component, and banner of template, footer of template, images and language of website.

To manage and customize our web site we can make this in many positions in our website, so we do some trick or codes that can establish:

- **Customize Template Component**

At first installation of Joomla we will note there are three template beez, JA_Purity and rhuk_mikyway . And fortunately, more templates can be found at joomla.org. But what if none of these templates available be it free or commercial, cannot meet your appetite? In that case, you have to design your own template, to put it, customize your unique template to fulfil your goal.

In this step will see how we can customize template depend on its purpose and we must to know there are essential files in each template like **index.php**, **CSS**, **templatedetails.xml** and images.

In this paper suggest our client template consist three column layouts and those column will define in index.php file that is mean it written in HTML with only a few snippets of PHP. In the index.php file we divide whole page into three parts which is represent by div : top, main body and bottom in same time we divide main body into three section left , centre and right , all these positions we can show it in templatedetails.xml file.

After that we needed to make some little trick to decide which modules to hide or to show, so we do that by using PHP conditional statement^[6]. For example, when deciding whether to show or hide modules in left column we use conditional states:

```
<?php if($this->countModules('left1 or left2 or left3')) : ?>
<?php endif; ?>
```

Where countModule() is a function which count the total number of modules in multiple template positions.

In similar methods we can determine whether to show the on Frontpage on the first page or not for the aesthetic and practical purposes. Most Joomla templates show the Joomla Frontpage(the content area) on the first page of the web site. However, in our case we just want a mix up of several modules on the first page, without articles published. Here we use the following lines of code^[4].

```
<?php $menu = &JSite::getMenu();
$frontpage_i=$menu->getActive()==$menu->getDefault();?>
```

And then insert the following code into the main body div of the template layout file[6][7]:-

```
<?php if (!$frontpage_i) :?>
<div>
<jdoc:include type="component" />
</div>
<?php endif; ?>
```

Where, <jdoc:include type="component"/> creates the output from a component. What component it is will be determined by the menu link.

So we done our work in customize some of modules and component in template then we can make styling of appearance for each one by make link in the head of index.php to CSS file.

- **Customize template direction**

When installing joomla will see the most of its template direction not support Arabic language direction ,mean it start from left to right as can be know Arabic language start from right to left so in this case can make little code and insert it before header of index.php file of template as shown down

At first remove this code from index.php

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="<?php echo $this->language; ?>"
lang="<?php echo $this->language; ?>" >
```



Fig [1] of website before change its direction^[3]

Then insert this code instead above code in index.php file^{[6][7]}:-

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html dir="rtl" xmlns="http://www.w3.org/1999/xhtml" xml:lang="<?php echo $this->language; ?>"
lang="<?php echo $this->language; ?>" >
```

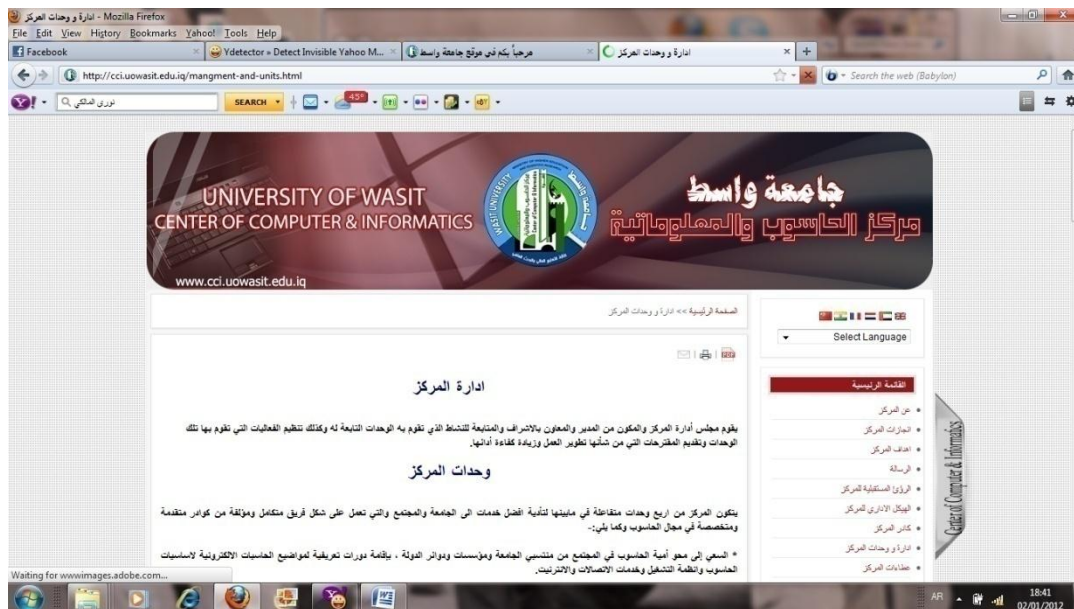


Fig [2] of website after change its direction [3]

- **Customize website generator**

Some times we want customize, hide generator of website for so many reason like avoiding or hide in which system designing it for more security information and to do this we follow this directory:

/public_html/ccilibraries/joomla/document/html/renderer/head.php

Then remove this code

```
$strHtml .= $tab.<meta name="description" content="".$document->getDescription()."  
>".$lnEnd;  
$strHtml .= $tab.<meta name="generator" content="".$document->getGenerator()."  
>".$lnEnd;
```

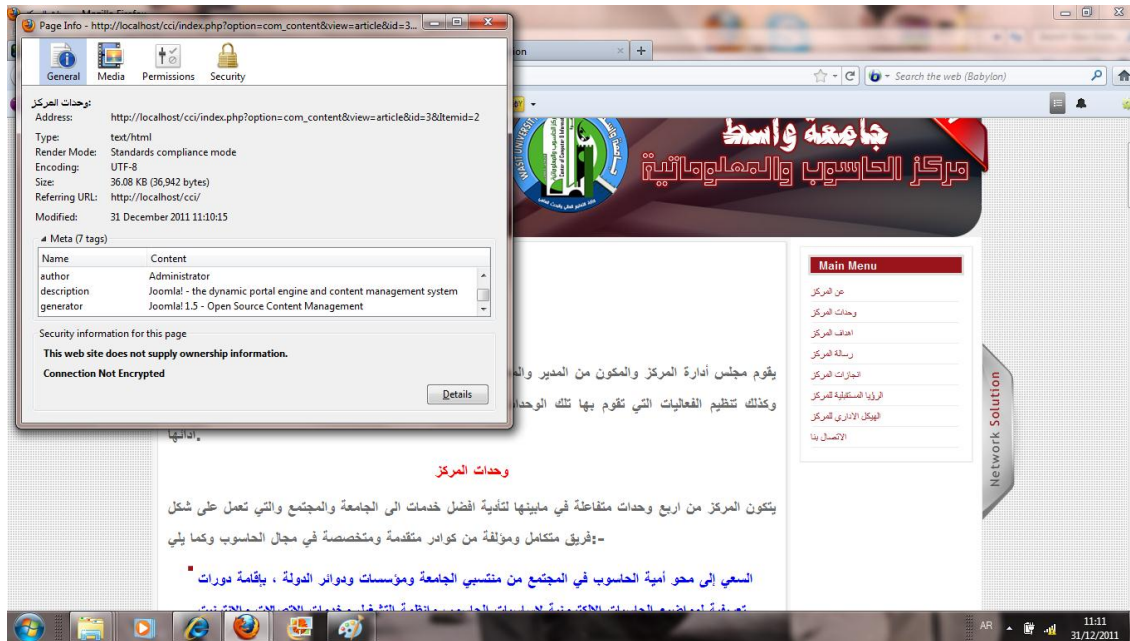


Fig [3] of website before change its generator [3]

Then insert this code instead above code [6][7].-

```
$strHtml .= $tab.'<meta name="Designer" content=" " />'.$lnEnd; // $strHtml .= $tab.'<meta name="generator" content="". $document->getGenerator()."' />'.$lnEnd;
```

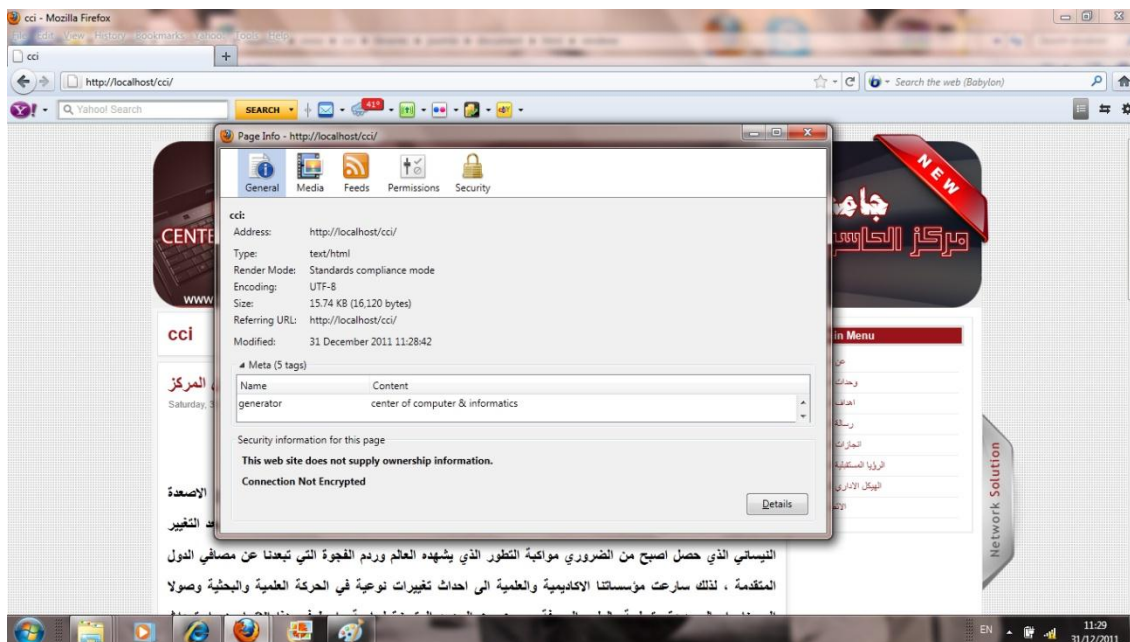


Fig [4] of website after change its generator [3]

- **Customize banner of website**

Every banner of template it have photo or flash so when we have website with photo banner we can make it flash by following these steps ^[5] ^[6] ^[7]:-

1) First you need to create a SWF flash format file using Macromedia flash or maybe Swish Max

2) Once you have created your SWF file you will need to upload the file to your template directory.

3) Now open the template index.php file using notepad or an editor of your choice and include the following code where you would like the flash banner to appear.

Flash code Header code ^[6] ^[7]:-

```
<object classid="clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
codebase="http://download.macromedia.com/pub/shockwave/cabs/flash/swflash.cab#version=6,0,29,0" width="100" height="50">
  <param name="movie" value="your flash header file name goes here.swf">
  <param name="quality" value="high">
  <embed src="your flash header file name goes here.swf" quality="high"
pluginspage="http://www.macromedia.com/go/getflashplayer" type="application/x-shockwave-flash" width="100" height="50"></embed>
</object>
```

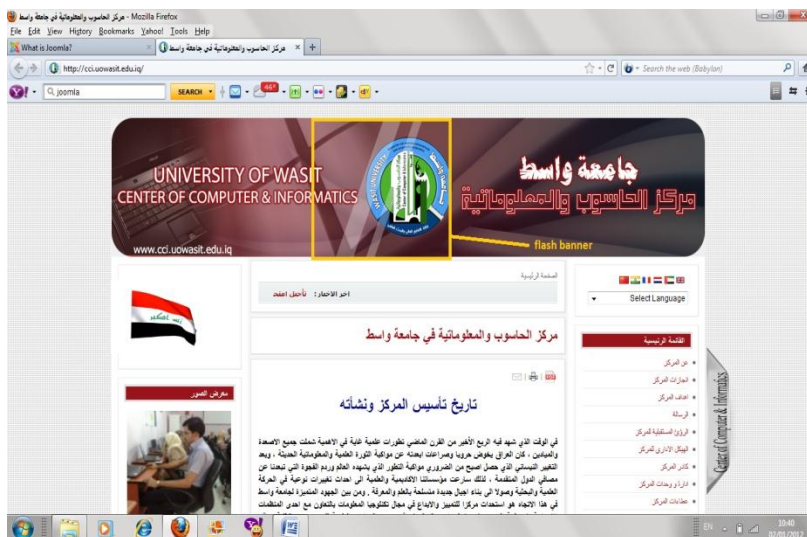


Fig [5] banner of website after make flash banner ^[3]



Fig [6] website banner without flash ^[3]

CONCLUSION

From the above customize of website and all features of Joomla! that is mean the CMS like Joomla! is very efficiency and flexible system to develop and manage our website. It provides very great flexibility that allowing developers to develop and customize them website template, modules, component and plugins.

Moreover, many more functionalities can be installed as mature modules have been developed to add more features to the Joomla!-powered system.

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