



A Survey for Selecting Best Content Management System for Web Application Development

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Abstract: *This research paper aims to help in carrying out the survey of Content Management system. The CMS has been a useful tool for developing plug gins and the widgets in website. In this Paper, We have reviewed the modular architecture and user interface of CMS. Three technologies of CMS namely Drupal, Joomla and WordPress are being deeply reviewed. The benefit which is being incurred by these technologies has been analyzed and finally we have compared the three technologies So as to select the best content technology among them.*

Keywords: *CMS, Wordpress, Joomla, Drupal, CMA, CDA.*

I. INTRODUCTION

Content management System is a collection of advanced internet tools to help create, upload and manage online content. The main purpose of content management system is to provide the capability for multiple users with different permission levels to manage a website or section of the content[2]. A CMS Consist of two element CMA(Content management Application) and CDA(Content Delivery Application). The CMA element allows to manage, the creation, modification and removal of content from web site. The CDA element uses and compiles that information to update the Web site.

II. CATEGORY OF CONTENT MANAGEMENT SYSTEM

The different of Content management system are as follows:

A. Joomla:

Joomla is a great Content Management System with a lot of flexibility and with an easy-to-use user interface that lot of people get intimidated about when they use the different option available in Joomla. It is one of the best and most widely used CMS applications as it is suitable for creating corporate websites or intranets, online magazines, community-based portals and more. It has been equipped with numerous built-in features as well as a large selection of extra modules and components which in turn enhance the value of website which the user is interested in creating.

B. Drupal

Drupal is a freely available software that allows the user to publish and organized its own website. With the help of Drupal one can easily build different type of WebPages ranging from simple web blogs to large online communities. It is easy to customize the drupal. It also provides built-in search tool and search-engine friendly URL's as an extra module, for discussion capabilities.

It has been said that Drupal is the way to go for any website that is extremely high traffic and in demand.

C. Wordpress

WordPress has been around since 2003 and is the most popular blogging software on the market. Over the last few years, WordPress has also become the content management software of choice for non-blogging websites. Wordpress is definitely the world's most popular CMS. The script is in its roots more of a blog than a typical CMS.

WordPress is a robust content management system that powers many online businesses. There are a number of distinct advantages for using WordPress like SEO, easier management and many more. WordPress, is more than a Blogging platform and you can use it as a Website, social networking site (Buddypress), E Commerce site, Web directory and many more different uses of it[4].

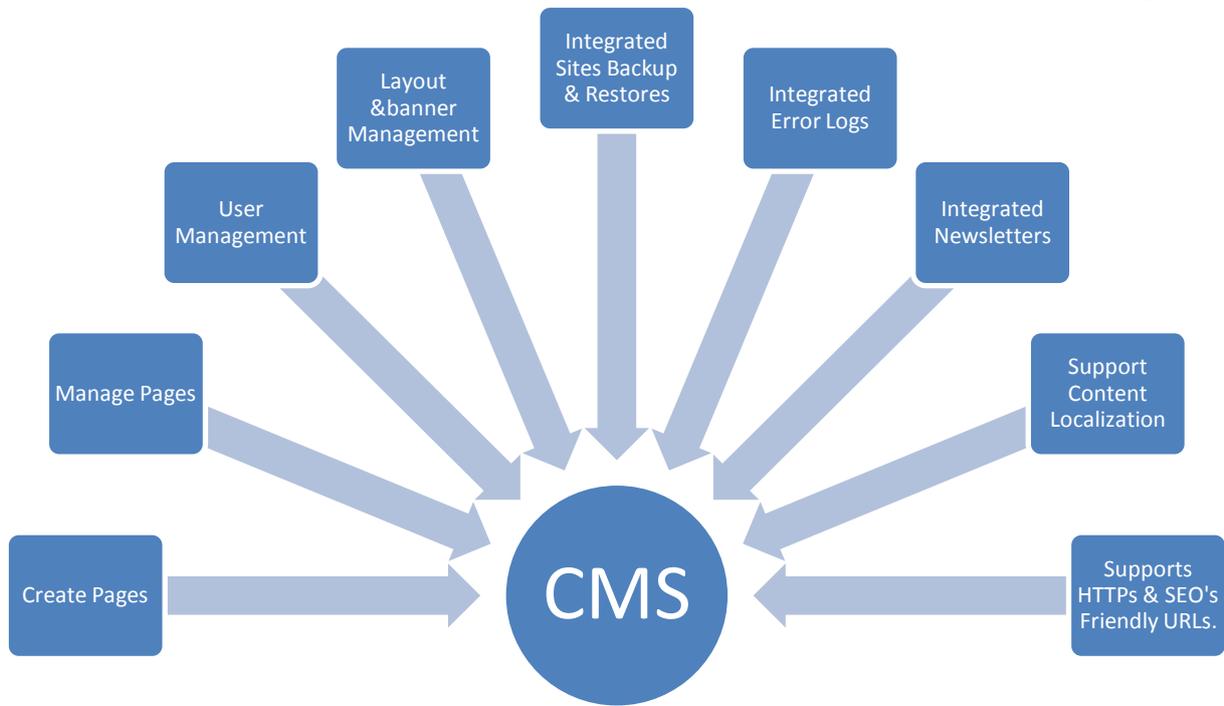


Fig 1: Content management System Features

III. COMPARATIVE ANALYSIS

3.1 Comparison of CMS Techniques(Based on Features)

The different features of CMS related to three technologies have being compared. We collected many features of above three CMSs and compared them. In spite of writing features as a point we prepared a feature comparison table which will easily distinguish the features of all three CMS techniques [6]. Below is The Comparison chart of Wordpress, Joomla and Drupal Based on Features.

Table 1 The Comparison Chart of Drupal, Joomla and Wordpress

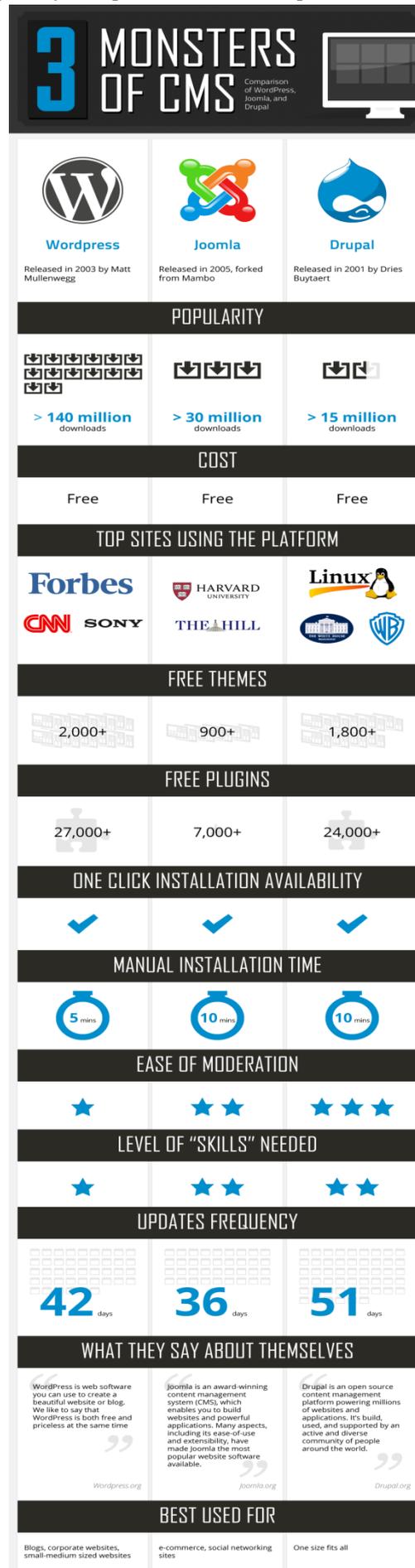
Features	Drupal	Joomla	Word Press
Ease Of Use	Complex	Meduim	Simple
SEO Friendly Links	Yes, Require add-on	Yes require plug-in	Yes, out of the box
Developer Friendly	Yes	Yes, more limited than drupal	No, can break functionality
Multi Site Management from singleInstall	yes	No	No
Blogs	Yes	Yes, can perform blogging	No
Separate admin areas	No	Yes	Yes
Community Support	Yes	Yes	Yes
Scalability	Yes	Yes	No, Generally used for smaller group/sites
Security	Solid	Solid	Fair
Extending and Integrating	Excellent	Excellent	Excellent
Structural Flexibility	Excellent	Solid	Solid

3.2 Comparison of CMS Techniques(Based on Popularity)

The different CMS technique has been compared on popularity basis. It is worth noting that wordpress is most popular technique among three supporting almost 140 million users[6].

It is also being analyzed that all the three CMS techniques provides wide variety of themes to its different users, where wordPress out pass the other two techniques supporting approximately 2000 themes. Each and every user are now days widely using these three CMS technique in order to creates a web page. So by this comparison chart we can conclude that the popularity of CMS techniques are increasing day by day.

Table 2: Popularity Comparison Chart of Drupal, Joomla and Wordpress



IV. BEST CMS TECHNIQUE

We have studied three different content management systems namely Wordpress, Joomla and Drupal. We have analyzed that wordpress is the best Content management system among them due to following reasons [6]:

- a) Maximum number of User
- b) High Security
- c) Very Less Installation Time
- d) Ease of Use-Simple
- e) Excellent Structural Flexibility
- f) Support large number of free themes

V. CONCLUSIONS

In this paper we have reviewed the three Content Management techniques Wordpress, Drupal and Joomla. The Overview of each technique has been studied. The Comparison of three CMS techniques have been carried out based on two criteria namely On the basis of popularity and on the basis of features. The result of this report indicates Wordpress, Drupal and Joomla have various strengths and weaknesses. Using this comparison chart, In this paper we have postulate that wordpress is the best Content Management technique due to numerous of reasons.

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