

Custom CMS using Smarty Template Engine for Mobile Portal

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Abstract- Custom Content Management System using Smarty Template Engine for Mobile Specification website needs to be developed where content need to be updated daily. These days, Content Management Systems are often used to build websites. Among other Content Management Systems, the Open Source ones are very popular e.g WordPress, Joomla, Drupal etc. Features provided in some CMS are often difficult in custom implementation also some organization or company prefer different CMS. The proposed project is to manage all data using own Custom Content Management System built in with Smarty Engine Template and PHP for mobile portal. Additional features are implemented which helps administrator to manage all data at single place. So, every time you plan to update your website contents, you don't have to pay hefty amounts to some HTML developer.

Keywords- custom cms using smarty template engine, content management system, smarty content management system, cms

1. INTRODUCTION

Aim of our project which is titled as Custom CMS using Smarty template engine for mobile portal is to make Content management system for mobile specification website through CMS it become easy for admin and user to add, delete, modify, update contents Users which are not having coding knowledge can also handle the website using CMS. CMS became a buzzword in the web development industry because of its benefits. CMS stands for Content Management System. It is a term and has not been endorsed with a solid definition. A CMS can have multiple meanings depending on the scenarios and the person's or project objectives. Such a content management system (CMS) typically has two major components: A content management application (CMA) is the front-end user interface that allows a user, even with limited expertise, to add, modify, and remove content from a website without the intervention of a webmaster. A content delivery application (CDA) compiles that information and updates

the website. Based on market share statistics, the most popular content management system is Wordpress, used by over 27% of all websites on the internet, and by 59% of all websites using a known content management system. Other popular content management systems include Joomla and Drupal.

2. LITERATURE SURVEY

Over the last years in online internet, the world wide web has evolved towards a platform for sophisticated enterprises applications and complex business process. Organization relies on web to support the business process. In accordance to recent study, the web application has dramatically increased. The organization experienced the need of using strong management tools to maintain their large web applications and manage all their content. One of most adopted solution has been the Content Management System. On this project these applications allows user to collect, manage and publish content in the integral way. Moreover, such systems helps organizations stay organized so that their web applications can grow and evolve quickly while maintaining high quality. The agile methodology is used in which each step is converted into small tasks known as sprints. Each sprints can be completed using waterfall model. The Gsmarena does not show the merchant pricing and device comparison. Hence, the Mobile Custom CMS implemented for this purpose only. Some new features have been implemented and helps administrator to overcome this feature.

Our website requires constant professional management for storing data for each mobiles. Administration relies mainly on the management of content: updating the layout of site, modifying existing information and adapting new elements. This project adapts such responsibilities. However, with a bit of computer skills it is easy to manage own website. Hence by using CMS applications allow even the less advanced user to manage comprehensive web page. Also we some Reference are there which help us for this project.

3. PROBLEM DEFINITION

There are various content management system available as open sources. CMS gives you, the business owner, the ability to manage the content of your website. Other organizations or website owners are paying thousands of bucks for custom requirements. Mostly for Mobile Specification Website, there is free open source software available, which can manage all updating, creation, modify, e-commerce for phones, smart phones, tablets, smart watches, etc. Building own custom CMS requires experience or pay huge bucks for small changes. This is challenging task for developer and admin.

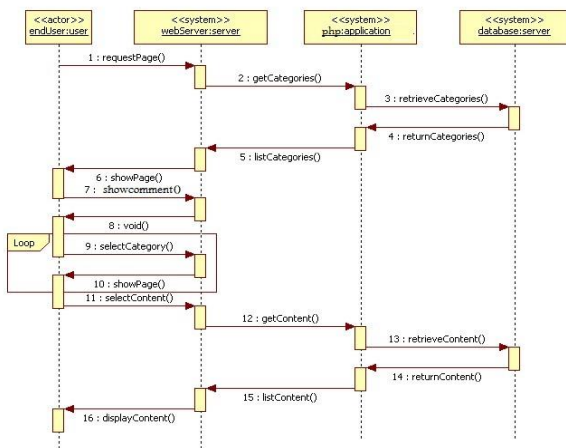


Fig 1:- Sequence Diagram

4. PROPOSED SYSTEM

There are several existing custom CMS in market. Gsmarena is a website for mobile portal which is using custom cms. there is several CMS in market drupal, joomla etc.

There are only 7 members in the Gsmarena team (from Ireland), sharing the work 24/7, and mostly all the details are added manually, as it is impossible the scrape every specification. Income is through Sponsored ads, Affiliate income. Weakness of this is hidden implementation costs for perfecting the system for users' needs, maintenance: In the wrong hands, an unmaintained and outdated CMS can do a lot of harm to a website and lead to serious security vulnerabilities and for community-based CMS systems, direct support may not be easy to find, and you have to rely on user forums and existing documentation.

In an open source CMS, such as WordPress, Drupal or Joomla!, the platform's underlying code is publicly available and editable. Open source solutions can be redistributed, copied and modified for a number of applications. These systems are frequently updated by the broader online community, which can freely patch glitches in the software and add new features. A custom CMS is a proprietary solution that's created exclusively for one company or use case. With a custom CMS, your business (or the service firm that built it) has control over the platform's functionality, interface and updates. With custom solutions, the system's workflow, design and usability can be tailored to any business or department's specific needs. Making the right choice between custom CMS, also custom cms developed with php/mysql and smarty template engine.

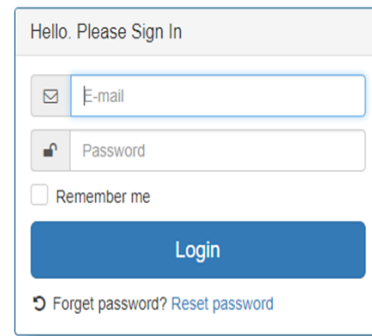


Fig 2:- Login Page

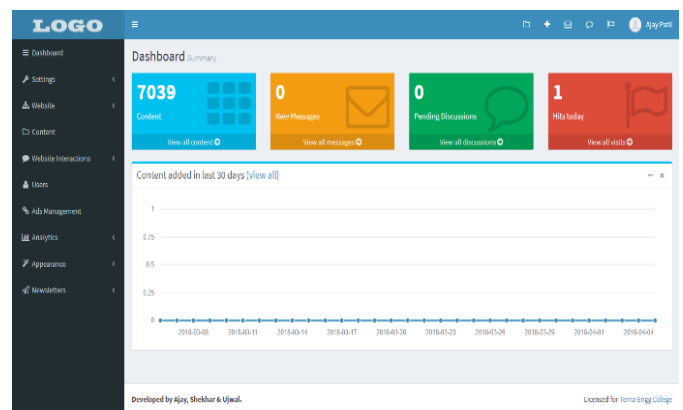


Fig 3:- Admin Area Dashboard

5. IMPLEMENTATION OF THE SYSTEM

5.1 Hardware Requirements

Client side Hardware Requirements

- Processor:- Intel Dual Core or Any
- RAM:- 4GB
- Hard Disk:- Minimum 250 GB

Server side Hardware Requirements

- Processor:- Intel i5 7th Gen or Any
- RAM:- 8GB
- Bandwidth: 250GB
- Hard Disk:- Minimum 500 GB

5.2 Software Requirements

Client side Software Requirements

- Operating System - Windows 7 or Any Equivalent OS
- Web Browser - IE 9.0, Chrome v50, Firefox Mozilla or other Browser

Server Side Software Requirements

- Operating System :- Linux OS or windows10
- Front End :- Smarty Template Engine
- Back End :- MY SQL, PHP
- Web Server:- Apache Tomcat

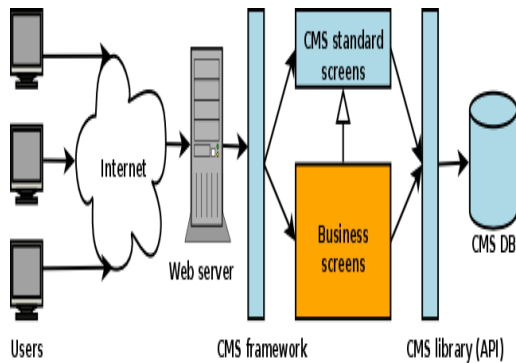


Figure 4 System Architecture

The home page often will have two login options:

1. User login
2. Admin Login

The User login will have the options for registering a new user or for an already existing user to login to his/her previously made account. So the existing user will have to enter their Username in the space given and type in the password for their account to access the services. It also has the option of "Forgot Password" which upon clicking will send a mail on the registered mail id regarding the retrieval or changing of password.

The Admin Login is accessed by the makers of the application in order to make changes in the database.

6. CONCLUSION

To provide unbiased information about products and prices. Create online shopping experience like never before. By using custom CMS it become very less efforts for admin to make any changes in website and also time required for it. Additional features are implemented which helps admin to manage all data at single place. So, every time user plan to update the website contents, they don't have to pay hefty amounts to some HTML developer

7. FUTURE SCOPE

CMS will reduce time and no programming needed while updating, add, modify or create. However, this CMS for mobile portal encourages the customers to search across various devices. The comparison system is providing the visitors a lot of movement features as well. The facility of selecting the products and buy now option made available.

These portals offered the lucrative schemes during the festive seasons. In these portals, also find the pop-ups, banners, teasers, etc. along with relevant information on these sites by just clicking on the appropriate links.

Mobile comparison portal contains exclusive allotment mechanism it is used to maintain these sites to grow business. By this method, the merchants give links of their products on diverse portions of the website.

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