



# College Web Content Management System

BankarSandeep ,Doiphodepankaj,GunawareBapu,WaghmodeBarikrao

Guide : Prof. Nalawade V.S

Department Of Computer Engineering,SBPCOE,Indapur(Pune)

**ABSTRACT**—A Web content administration framework (WCMS or Web CMS) is content administration framework (CMS) programming, normally implemented as a Web application, for creating and managing web content. It is utilized to oversee and control an expansive, dynamic accumulation of Web material ( records and their related pictures). A WCMS encourages content creation, substance control, altering, and numerous fundamental Web upkeep capacities. Usually the software provides authoring (and other) tools designed to allow users with little or no knowledge of programming languages or markup languages to create and manage content with relative ease of use. Most systems use a database to store content, metadata, and/or artifacts that might be needed by the system. Content is frequently, but not universally, stored, to facilitate reuse and enable flexible presentation options. A presentation layer shows the substance to general Web-website guests .

**Keywords**— content management system, secure content management.

## 1.INTRODUCTION

A Content Management System is a product framework which aides oversee assets on a remote framework without any difficulty. In the present paper we advance a configuration for a Web Content Management System (WCMS) . WCMS is a product went for helping the general organization of item based commercial enterprises. It is a web content administration programming running on a java empowered gadget. This application gives interface to the client to safely include different helpful information, which can be intuitively shown on the web progressively. Both printed and in addition media substance (pictures and sound) can be overseen. It discovers application in item base commercial ventures to control item site, news site progressively. Case in point, let us accept an occasion is occurring at a site. A journalist landing at the site of the occasion can record the news of the current situation from the different sources. He can take snaps, sounds and features and transfer them comfortable minute to the web-server making it accessible to the world quickly. There are choices to alter/erase and subsequently give different substance administration related peculiarities. Likewise, an altered adaptation of it can be helpful for e-trade destinations and web shopping locales as well. Notwithstanding overseeing substance from a desktop machine , interface for cell phones can likewise be given.



## 2.ANALYSES AND DESIGNS

### 2.1. *Basic Requirements of WCMS*

- Achieving a sound administration of substance distribution, supporting such that with multi-part and multi-client. Disseminating the parts and consents among distinctive capacities of CMS, which can be utilized for substance making , altering, evaluating and distributed procedure and other taking care of consent administration issue.
- Implementing the page programmed era and administration, incorporate the programmed including of page components and division administration of page module.
- Supporting no less than one site for era and administration, capacity to distribute or scratch off distributed substance things to one or numerous areas inside a solitary site, while meets the development framework necessities of producing various locales.
- The framework ought to have fast get to speed and better control of simultaneous operation, by understanding concurrency issues to enhance the effectiveness of agreeable office amid framework application and real operation process.
- Achieving the partition of site substance and access page, along these lines content editors don't have to give careful consideration to the presentation organization of site substance, showing the substance by an adaptably component, for example, discretionary default page layouts, extraordinary subject segment formats etc. Which are given ahead of time by the framework.
- Adopting suitable work process engineering to execute data stream control viably, and for the distribution and grouping of the substance, the multi-level stream of data control can help to attain to making, altering, evaluating and distributed the site substance. Providing a good scalability and portability, benefiting the extension of system function in future.



## 2.2 System Main Business Process Analysis

All the while investigation of the site content administration framework, the article forces on tackling the issue of the real methods, for example, substance draft, substance altering, content regard and substance distributed, which together comprise of the center piece of the site content administration framework, Namely, the whole substance appropriation business forms, which additionally include the substance section administration and site asset administration, so that make it simple to characterize the distributed static site and an easy to use administration. Moreover, Website asset administration can transfer and download distributed asset record, which has advanced asset document of the distributed site.

By examining the Fig. beneath, the paper acquires the essential steps data of substance distributed methodology. Firstly, content maker make new substance which is going to be altered and distributed, before the last venture of substance accommodation, the status of the substance is draft, just this substance thing's maker can alter and submit its own particular made substance, while the other don't have such power right. Besides, the status will change into holding up altering in the wake of being submitted, the editorial manager can't alter the submitted substance or do perspective, adjust, erase and reject operations without power rights.

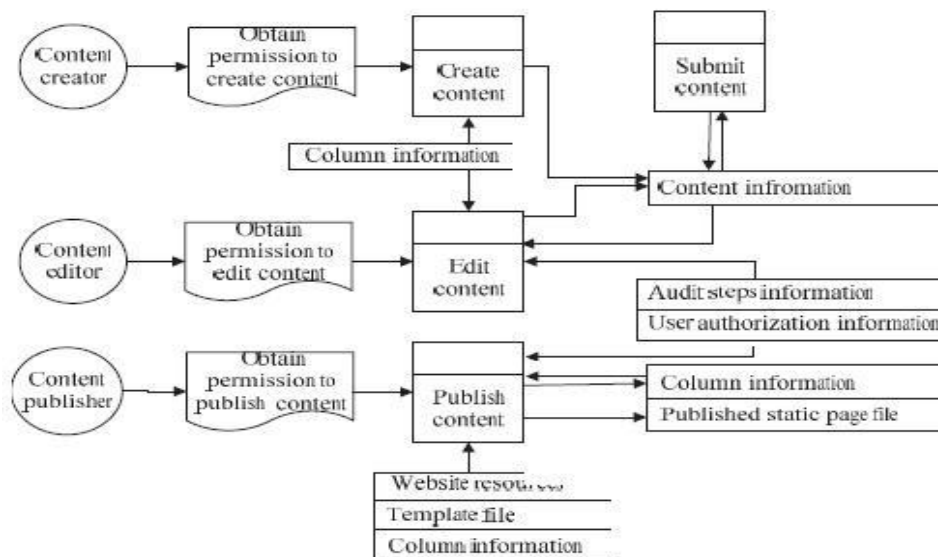


Figure 1. The Basic Business Process Chart of Content Management



### 2.3 System functional requirements Analysis

A complete content management system should have four major functions: content integration, content intelligence, content management and content distribution, as are shown below.

- Content integration -- Allow users to find different forms of information form different systems, and the information includes documents, data, audio, graphics and so on.
- Content management-- Content management system's main function modules, to support for content management process, including content creating and editing, achieve the access to a variety of data, information, documents and procedures and provide collaboration tools to create content, such as documents and web pages production tools, data conversion Html tools and so on.
- Content distribution-- Allow all users receive the published information at the same time, including the traditional way non-Web of graphical user interface GUI, web information portal and various other ways.

The specific function structure chart is shown below as

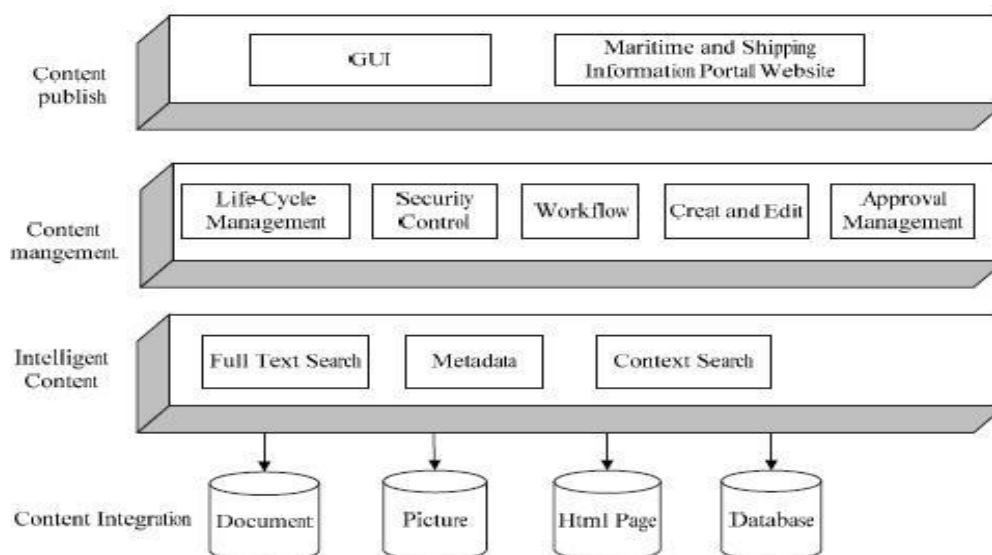


Figure 2. Functional Structure of Web Content Managemen



### 3. CONCLUSION

Web Content management system is a management tools for website construction with significant practical value and development prospect, this paper proposes Web Content Management system gives the design scheme and key technologies for implementation, concretely including the business process diagram, functional structure diagram and the detailed design of the system, etc. This will enhance scalability and lower maintenance costs greatly, improve efficiency , and our implementation shows that the architecture design is able to support extensible information content management services successfully.

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