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**[Our application name goes here]**

**Content Manager**

**Project by**

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**Project Description**

This is a Web Application based on Content management system.Where any type of user can create and register his/her account for free or with premium services.

With **[our Application name goes here]** Content Manager, user can choose and design portfolio pages for their company and services and individuals can make their personal informational pages.

It is used to manage and control a large, dynamic collection of Web material (HTML documents and their associated images). The **[our Application name goes here]** facilitates content creation, content control, editing, and many essential Web maintenance functions.

When someone refers to **[our Application name goes here]**, he / she is referring to a web application that provides capabilities for multiple users with different permission levels to manage web page (content) without the need to have HTML knowledge. The software provides authoring 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.

You don’t need to have designing skills/knowledge, neither you need to have an understanding of web languages, with [our Application name goes here] you just need to have an account and information you want to put into your page, rest would be done by **[our Application name goes here]**.

**Organization** *“OSS Cube Solution” www.****osscube****.in*

OSSCube has pioneered in Open Source Software development with expertise in custom  
product development using Open Source technologies. The company offer a full life cycle of services ranging from Consulting, Outsourced Product Development, Application Engineering, Packaged Product Implementations and Open Source Trainings. For more company portfolio please follow the link [www.osscube.in/portfolio](http://www.osscube.in/portfolio).

**Problems with existing web content management system**

1. New users find it very difficult to understand the proper functionality of content management system.

2. Commercial soft-wares used to develop content management system comes with

a huge price.

3. Existing content management systems are not flexible enough to accommodate the design prescribed by the user.

4. It is very difficult to add media files in the existing content management system.

5. Process of migrating, editing, publishing and managing content in existing web content

Management is not as expected by the user.

6. Existing content management systems are difficult to integrate with other systems.

**Proposed system**

Rectification of the problems with the existing content management systems with the better UI/UX design to make It simple and efficient.

**Methodology**

Classic SDLC with Prototype Method

**Module Site-Map**

i) Login

- Admin Login

- User Login

2) Dashboard Management & Design

- Admin Dashboard Management & Design

- User Dashboard Management & Design

3) User / Admin management

- Delete User

- Edit User

- Add User

4) Database design and handling

5)Search Engine Optimization and Marketing

6) Blog management

7) [our Application name goes here ] Website building

**Module Definition**As every problem needs to be divided into small sub-problems same is the case with our project. Our project is divided into several sub-modules whose purpose and definitions are described below:

1. **Login Module**

The login module contains all the processing information and the coding part related to login module. All the users who will be registering with us are provided with a login Id and password.

Every time the user enters our website he will be asked to enter username and password if registered user, else the user has to first register with us in order to access the functionality of our website.

The registered user can save the work and can logout the website. His/her will be saved and on next login he will be able to carry forward his work from where he /she left it out.

The login module has further two sub-modules namely *Admin* and *User*.

1.1 **Admin Login module**

The Admin login module is responsible for handling the information related to administrator login. It separates the user login from admin login. It provides some extra functionality to admin apart from the normal user functionality. It loads the necessary functionality being possessed by the admin.

1.2 **User Login module**

The User Login module handles all the information related to user login. This module validates the user i.e. it checks whether the user is valid or not, if valid then loads the necessary user files else it results into error message. The user login doesn’t have admin privileges and can manage only its contents.

1. **Dashboard Management and Design**

The ‘dashboard’ indicates the screen in which the user put its contents in order to be managed properly. Whenever a user logs on to the website this is the first page after login which is shown on the screen. This module include the selection of template designs by the user either customized or built-in template. Depending upon the choice of user it loads the contents along with the selected template. The whole design of the dashboard is being prepared/developed here. This whole module is user dependent as its only user who decides what all he/she needed in dashboard, the module only responds to the user requests.

This module has further two sub-modules namely admin management and user management.

1. **User / Admin management module**

The **user management**module represents the user view of dashboard which include the selection of template designs by the user either customized or built-in template. Depending upon the choice of user it loads the contents along with the selected template. This module manages the content being provided by the user according to the stated needs.

This module is totally responsible for managing user and their files. This module is only for admin as user management is the task of admin. This module manages user accounts like keeping separate preferences for every user. The admin can see all registered user along with the access privileges being provided to them. The admin can add a user, delete a user or edit the access privileges being given to user. User’s request for a particular service is also entertained only by the admin, without admin’s permission user can’t have access to a particular service.

The **admin management** module *is* responsible for handling the information related to administrator dashboard. The admin dashboard is different from normal user as it will contain information about all the user’s activity along with the modifications if done. The admin will also be able to see the list of all the users registered.

1. **Database Design and Handling**

As the name indicates this module is solely responsible for database creation and handling. This module has core importance in every system as all the information is stored here. Selection of database type and its design is being evolved here like creation of tables and their relationship with each other. All the database structure is being developed in this module. The second task of this module is to manage all the data being associated with every user. The task involves separation of user data from admin data. The database developed is compact and query efficient (means the result retrieved by the query should be fast and accurate instead taking a lot of time).Any changes made by the user in his/her profile is reflected on the database only when the user save it in profile otherwise the changes are discarded. Only admin has right to change the database structure and perform periodic maintenance.

1. **Search Engine Optimization and Marketing**

This module is taking care of search engine optimization of the user content. Search engine optimization code is being developed and deployed in this module. The user contents are searched easily on internet that’s why we add SEO code to the user content. The code involves playing with Meta tags (include author, content, etc.).

This module also involves handling videos which act as a tutorial for accessing our website making easier for newbie. Uploading of videos and its performance along various browsers is managed here. Creation of video and selecting video format to store the video best for web, all is done in this module.

This module is also engaged with developing presentations (including animated cartoon) for giving an idea to the user about what basically our website deals with. These presentations can help our website in catching more and more users all over world. Creation of ideas and getting them into reality is the task of this module.

This module also has contact us option which enable user to interact with us directly if he/she faces any problem.

**6. Blog Management**

This module deals with the blogging aspect of our website. In this module the whole blog design is prepared and managed. The blog contains the review of the users who are registered with website for our website which will give the new users relevant criteria for selecting the website.

The blog module contains the feedback given by the users to our website. This feedback is recorded and is reviewed periodically in order to make site more user friendly.

This module also has FAQ (frequently asked questions) which will help the user how to access the website properly, these questions are based on most common and frequently occurring problems faced by the user while accessing website.

**7. [Our Application name goes here ]** **Website Development**

This module is the basic building block of our system. This module deals with the creation or development of website which provides the above stated feature. All the website pages including home page, registration page, dashboard and many more are designed here in this module. The client side view of our website is being controlled and developed here in this section. Any changes made to the presentation of our site are being done by making changes in this module.

**Tools**

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| --- | --- |
| Front End Tool | Php5 |
| Back End Tool | MySql5 |
| Operating System | Ubuntu LTS 12.04 |
| IDE | Zend Studio |

**Hardware Interfaces**

The hardware requirements are:

i) Processor: PIV and above.

ii) Motherboard: Intel 845 and above

iii) RAM: 256 and above

v) Network Card: Standard Ethernet card for networking.

vi) I/O Devices: Keyboard, mouse and Color monitor