Project Proposal No:
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MCA PROJECT PROPOSAL "CS-17"

Indira Gandhi National open University

Project title:
Content Management System

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1. **Title of the Project: Content Management System**

2 a. **Introduction :**

A Content Management System (CMS) is software used to automate the process of creating, publishing, and maintaining content. A CMS simplifies content production by empowering content contributors to perform content creation, publishing, and maintenance-related tasks.

A CMS typically separates page design from content, facilitating content maintenance and design changes.(CMS for Web publishing) is a combination of large database, File System, and other related software modules which are used to store and later retrieve huge amounts of data.

These web-publishing systems are different from the databases in the sense that these can index text, audio clips, video clips, or images in a database. Users of the web publishing system can find relevant content from within a database by searching for keywords, authors, date of creation, etc.

Web Content Management Systems can be used to create information portals which serve as the backbone of data management. Along with the database handling facilities, the software modules also allows anyone to contribute information to a website via a graphical user interface (GUI). They are usually based on a pre-written template that acts as a platform for each page in the site as those pages are created.

2.b. Objective:

The major objective for Content Management System is to develop an online database of features and descriptions for Content Management Systems.

- We are defining the basic features of a general CMS, with specific enhancements for blogs, polls, and news portals.
- We building an editorial interface to these features so CMS software vendors can edit their basic data themselves.
- (FAQ)The CMS Review editorial interface will let other organizations enter their research data on CMS, in the form of questions and answers or other formats.

- We will develop an information architecture for these CMS features and evaluation reports. This development will be done in the open with the participation of all who are interested.
- Each organization is free to write its own editorial tools and report/display interfaces. The goal is to distribute the information, under a Creative Commons license, so everyone in the CMS community can use it for any purpose.
- It will be encouraged to suggest additional features and definitions, so the CMS Resources will be a living architecture and adapt as CMS technologies and markets change.
- Members of the CMS user community may want to participate in the review process. CMS Review will create a blog-style page for each product, with comments available for each blog post. CMS Review editors will respond to complaints from vendors and remove trolling posters who are adding more noise than signal to the conversation.

1. **Project Category : INTERNET**

The content management system belongs to web page publishing software from the data gathered from data tables and by using backend MySql and front-end PHP.

PHP is an open-source language, used primarily for dynamic web content and server-side applications. PHP has many open-source libraries included with the core build, and many more are readily available. Extensions exist to help PHP interface with a number of systems, including IRC, a number of compression formats, and Windows

3. **Software/Hardware Requirement Specification:**

Database Environmen	: MySQL
Development Status	: 5 - Production/Stable
Intended Audience	: Advanced End Users, Developers, End Users/Desktop, System Administrators, Information Technology
License	: GNU General Public License (GPL)
Operating System	: OS Independent (Written in an interpreted language)

Programming Language	: PHP
Topic	: Site Management
User Interface	: Web-based
Platform	: Windows 9x

Front-end : PHP

PHP (a recursive acronym for "PHP: Hypertext Preprocessor") is a widely-used open-source programming language primarily for server-side applications and developing dynamic web content. The PHP model can be seen as an alternative to Microsoft's ASP/VBScript/Script system, Sun Microsystems' JSP/Java system, and to the CGI/Perl system. Famous examples of PHP applications include phpBB and MediaWiki, the software behind BambooWeb.

Backend : MY SQL

MySQL is an open source relational database management system (RDBMS) that uses Structured Query Language (SQL), the most popular language for adding, accessing, and processing data in a database. It is downloadable from mySQL, and tailor it to their needs in accordance with the general public license. MySQL is noted mainly for its speed, reliability, and flexibility.

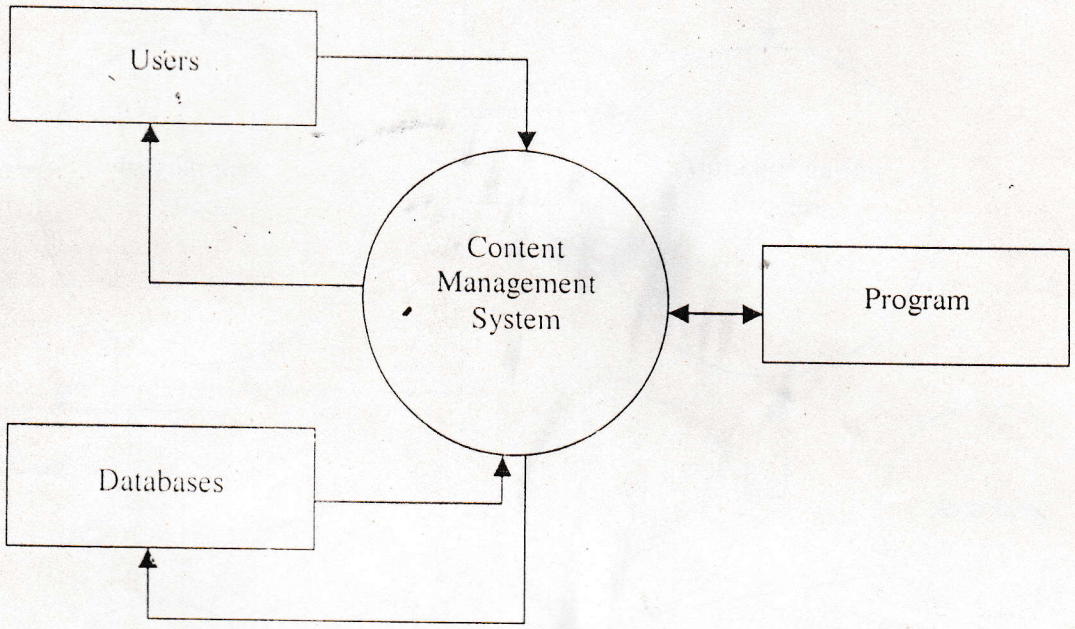
Tools :Hardware

To install Content Integration Pack on a server that is running Content Management Server, meets the following minimum requirements:

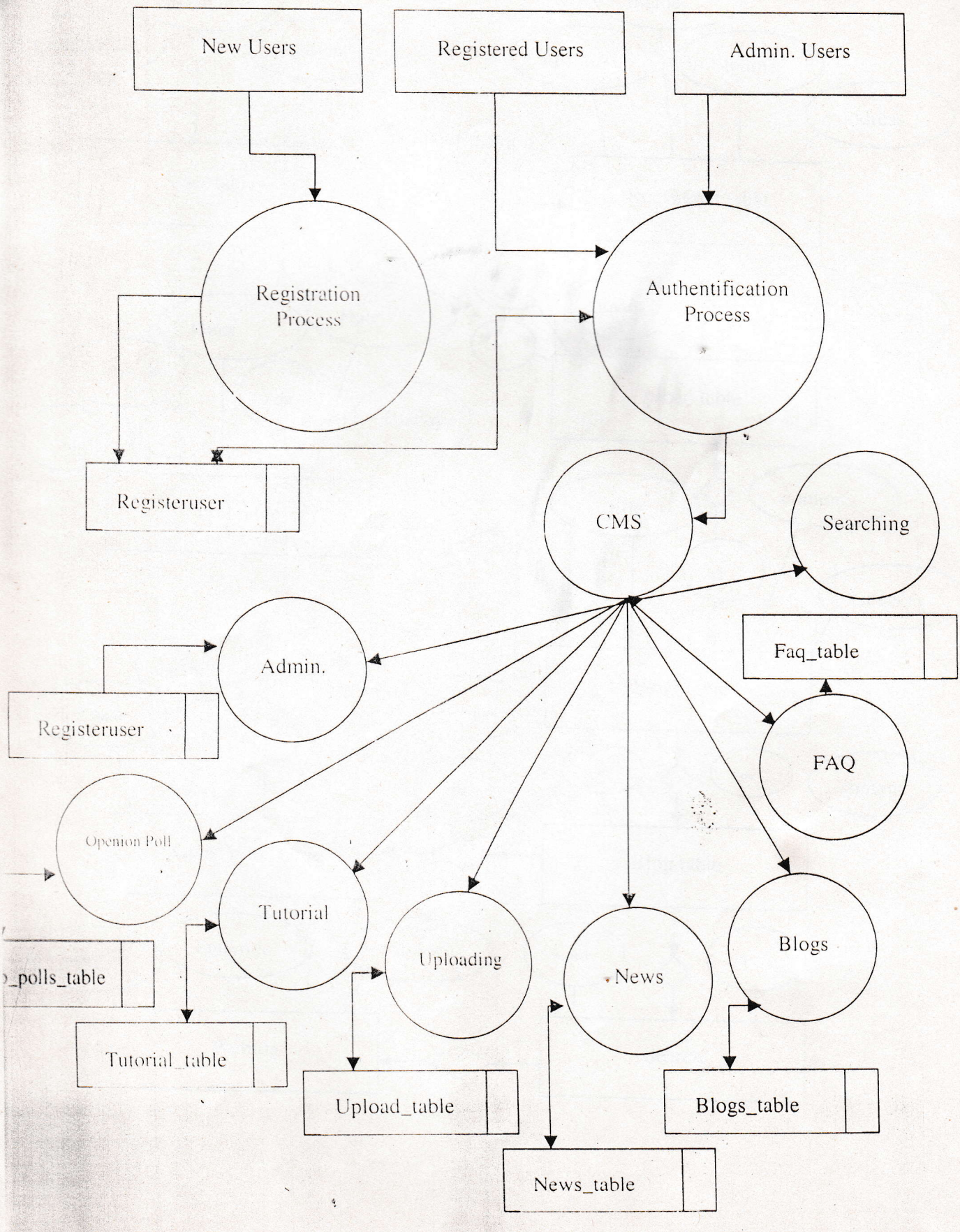
- 800-megahertz (MHz) Pentium III–compatible or higher processor.
- 512 megabytes (MB) of RAM.
- Ultra SCSI hard disk with 500 MB of space reserved for Content Management Server.
- 1 gigabyte (GB) available hard disk space for database services.
- 150 MB free at all times and 50 MB for the cache folder.

2. Complete Structure of the Program.

DFD Level-0



DFD Level-1


New Users
Registered Users
Admin. Users
Registration Process
Authentification Process
Registeruser
CMS
Searching
Admin.
Registeruser
Faq_table
FAQ
Openion Poll
Tutorial
Uploading
News
Blogs
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Tutorial_table
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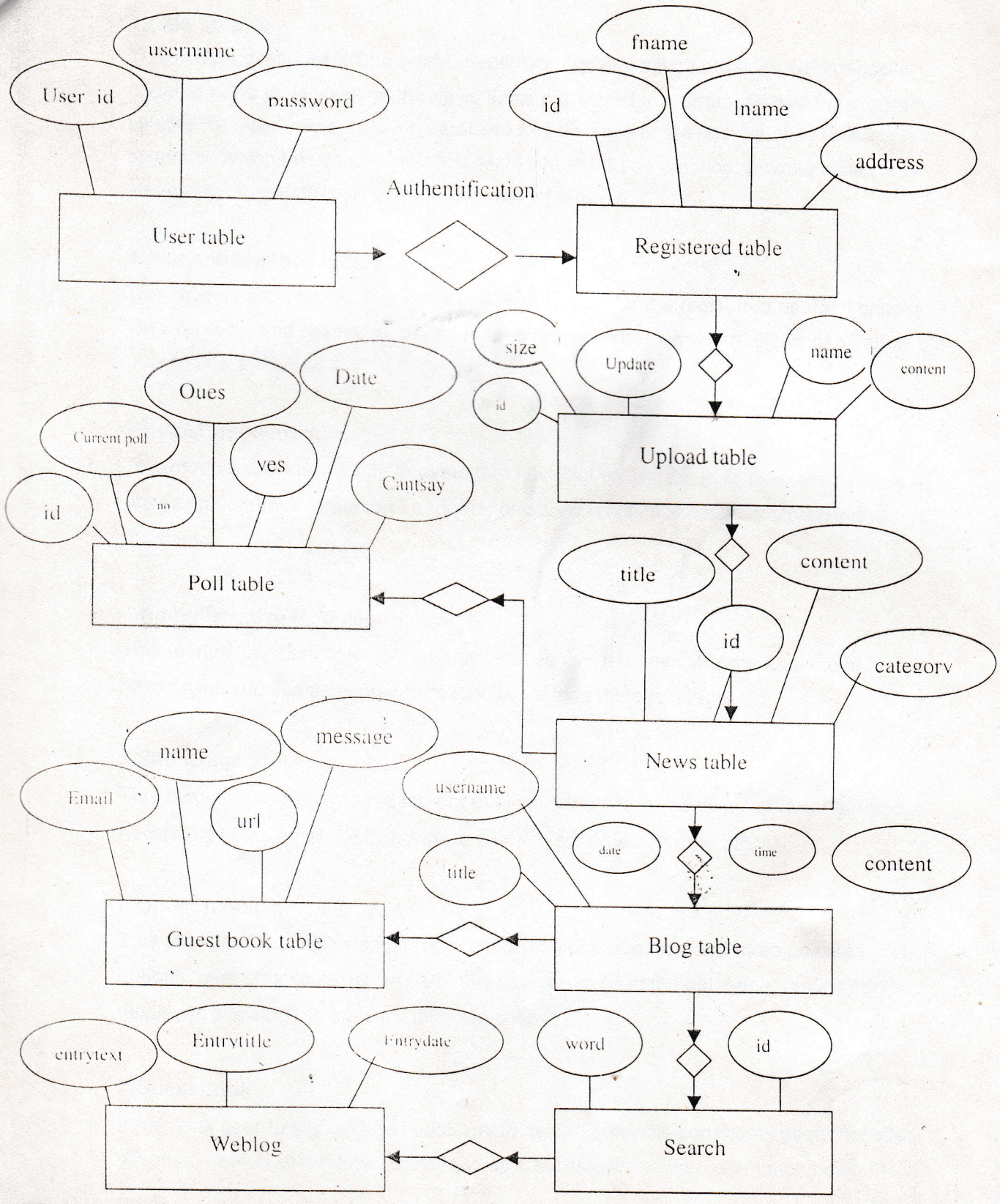
Blogs_table
News_table

5.a.ii.E-R diagram



5.b. Number of Modules and their Description:

1.CMS Module

This module describes a Content Management System, which provides automatically updated news to its viewers. the news items are stored in a database and the program selects the latest news from the database and displays to the user its title. This title is a hyperlink, which takes the user to the main content, or description. Module consists of adding news, updating, deleting and viewing the news.

2.Authentification Module

This module provides verification and authentication for the registered users. it checks the username and password, matches it from the records and then allows or disallow the user to check the site.

3.Registration module

This module provides facility to users that have not registered to register themselves by providing general information i.e. name, email etc. This information is stored in the database.

4.Administrative Module

This module consists of tools that may be used by the administrators to manage or monitor the site like deleting information or viewing the site usage.

5.Site usage

This module provides information about the hits the site is receiving. shows data about how many times a site is views, when it is viewed, time and date etc.

6.Opinion poll

This provides user with a opinion poll consisting of a question and three possible options. user checks its options and this data is stored in the database. results can be displayed showing the stats for different options.

7.Guest book

It provides user to sign a guest book where he can enter his comments about the site, his email or web site, if any. These entries are displayed in an order, latest being first.

8.File upload module

This module provides user to upload his file, text or images through a form. this file is stored in a database, which can be downloaded or deleted from the database by the admin

9.Blog

It Provides user to add his comments on a particular subject or a reaction to others comments. These blog entries are displayed directly on the page, latest being first

10.Search

This module provides user to search any information from the web site or from other search engine like google etc.

11. Faq

This module contains the users questions and answer which is useful while problem faced by the user.

5.c. Data Structure

data structures of the tables are given here, which are used in the whole project.

Table1: USER

id	10	INT	UNSIGNED NOT NULL ,
username	50	VARCHAR	NOT NULL,
password	50	VARCHAR	NOT NULL

Table2: REG USER

id	10	INT	UNSIGNED NOT NULL AUTO_INCREMENT,
fname	20	VARCHAR	NOT NULL,
lname	20	VARCHAR	NOT NULL,
address	20	VARCHAR	NOT NULL,
reg date	date	date	not null,

Table3: NEWS

news_id	10	INT	
news_title	50	VARCHAR	
news_content	1000	VARCHAR	
news_category	50	VARCHAR	

Table4: UPLOAD

id	10	INT	NOT NULL AUTO_INCREMENT,
name	30	VARCHAR	NOT NULL,
type	30	VARCHAR	NOT NULL,
size		INT	NOT NULL,
content		BLOB	NOT NULL,
up_date		TIMESTAMP	NOT NULL,

Table5: POLL

id	10	INT	NOT NULL AUTO_INCREMENT,
ques	200	VARCHAR	NOT NULL,
yes	10	INT,	
no	10	INT,	
cantsay	10	INT,	
entry_date		DATE	NOT NULL,
curr_poll	2	int	

Table6: GUESTBOOK

id	10	INT	NOT NULL AUTO_INCREMENT,
name	30	VARCHAR	NOT NULL,
email	50	VARCHAR	NOT NULL,
url	50	VARCHAR	NULL,
message		TEXT	NOT NULL,
entry_date		DATE	NOT NULL,

Table7: WEBLOG

Entry_date		TIMESTAMP
Entry_title	100	VARCHAR
Entrytext		TEXT

Table8: BLOG

User_name	50	VARCHAR
Date		DATE
Time		TIME
Title	50	VARCHAR
Content	1000	VARCHAR

Table9: AUTHENTICATION

User_id	10	INT
Username	20	VARCHAR
Password	10	VARCHAR

Table10: SEARCH

Word	20	VARCHAR
Id	10	INT

5.d. Process logic of each module

Module: Content Management System (CMS)