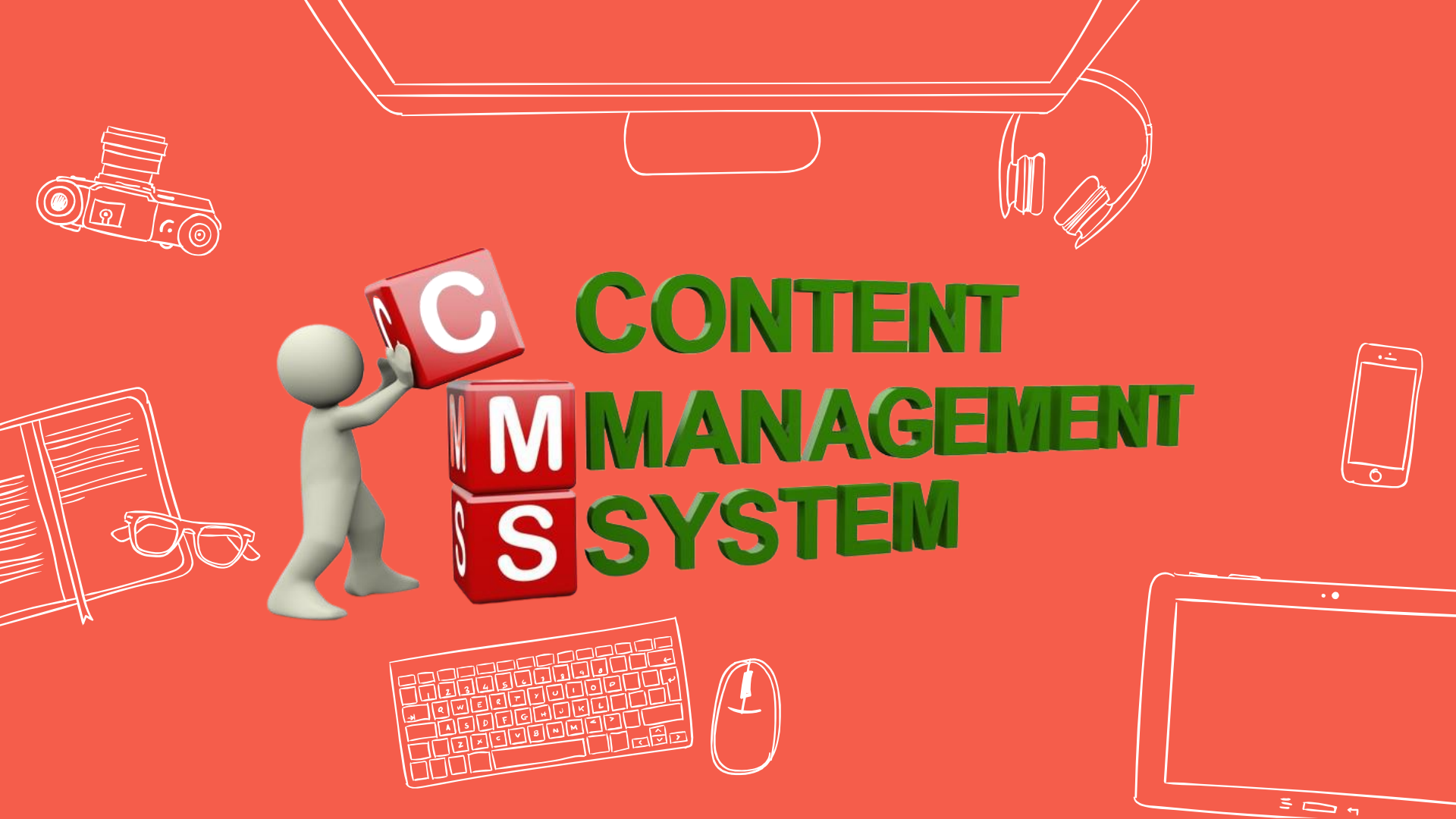
C
M
S
CONTENT
MANAGEMENT
SYSTEM

Guided by
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Team

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Introduction

- Content management system is a software application that allows users to collaborate in the creation, editing, and production of digital content: web pages, blog posts, etc.

Problem Definition

- An increasing number of organizations or bloggers have web sites. The trend is to disseminate responsibility of managing web content for the web site to the people who generate it rather than webmaster. At the same time, this scenario creates a situation in which people who are uncomfortable with working on web design are forced to complete tasks for a web site.

Project Objective

01
Quick Publish

CMS have quick publish facility without any external verification.

02
Easier to Create

The ability easier to add, update or delete any images, text, title or categories.

03
Reduce Cost

Keep number of content categories wise and reduce their overall cost.

Project Scope

Template

This system can only use to manage content in the one default template.

Widgets

This system don't have any widgets.

Author

This system allow only one author in one particular user account.

Categories

Provide category facility to show category wise blog post.

Technology

NodeJS

The JavaScript runtime environment, used to run JavaScript on machine rather than in an browser. (backend)

ExpressJS

A framework layered on top of
NodeJS, used to build the backend
of a site using NodeJS functions
and structures.

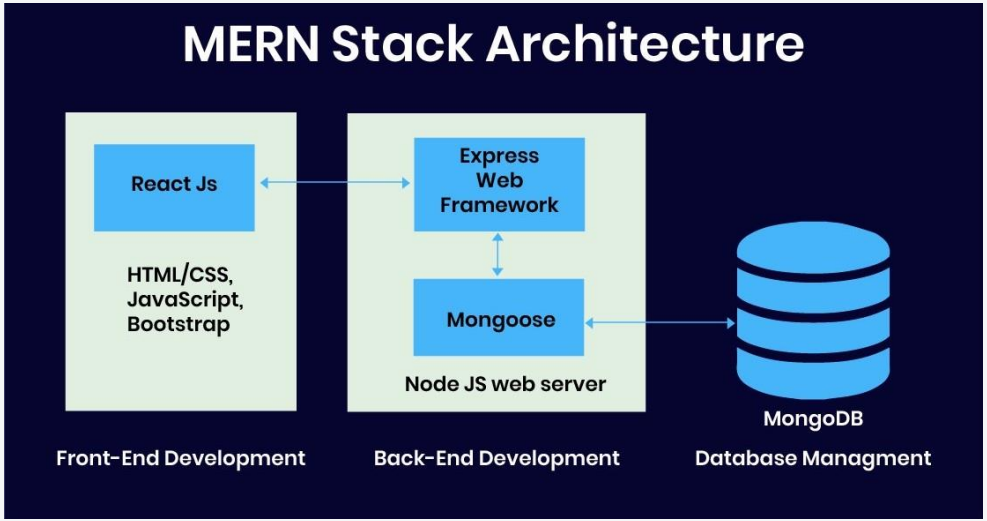
ReactJS

Used to build UI (used Material-ui)
components that create the user interface of the single page web application.

MongoDb

Document-oriented, No-SQL database used to store the Application date. (Binary JSON)

Technology Benefits



The principle advantage for engineers utilizing the MERN stack is that each line of code is written in JavaScript. This is a programming language that is utilized all over the place, both for client side and server-side.

Functional Requirement

Registration and Login

- User basic information
  - Username
  - E-mail address
  - Password
- Okta Authentication (Email Verification)

Forgot Password

- Blogger forgot their password
  - Registered E-mail address
- System-generated email
- Reset password
  - New Password
  - Confirm Password

Manage Bloggers

- Admin can see all blogger details (View)

Functional Requirement Continue

Manage Blog Categories

- Admin manage it (Add, Update, Delete, View)
  - Category id
  - Category name
- Blogger can able to see it (View)

Manage Blog Post

- Blogger manage it (Add, Update, Delete, View)
  - Post id
  - Post title
  - Post Image
  - Post Content
  - Post URL

Manage comments

- Blogger can do comments on all post
- Blogger manage their post comments (Add, Update, Delete, View)

Functional Requirement Continue

Manage About Us

- Blogger manage it (Add, Update, Delete, View)
  - About Us Id
  - Site name
  - Author name
  - Author image
  - Description

Manage Contact Us

- Blogger manage it (Add, Update, Delete, View)
  - Site name
  - Email id
  - Website Url
  - Social media links

Functional Requirement Continue

Manage Privacy Policy

- Blogger manage it (Add, Update, Delete, View)
  - Site name
  - Site Url
  - Cookies
  - Google ads
  - Third party ads

Non Functional Requirement

01 Usability

The System will be user-friendly and easy to operate, and the functions will be easily understandable.

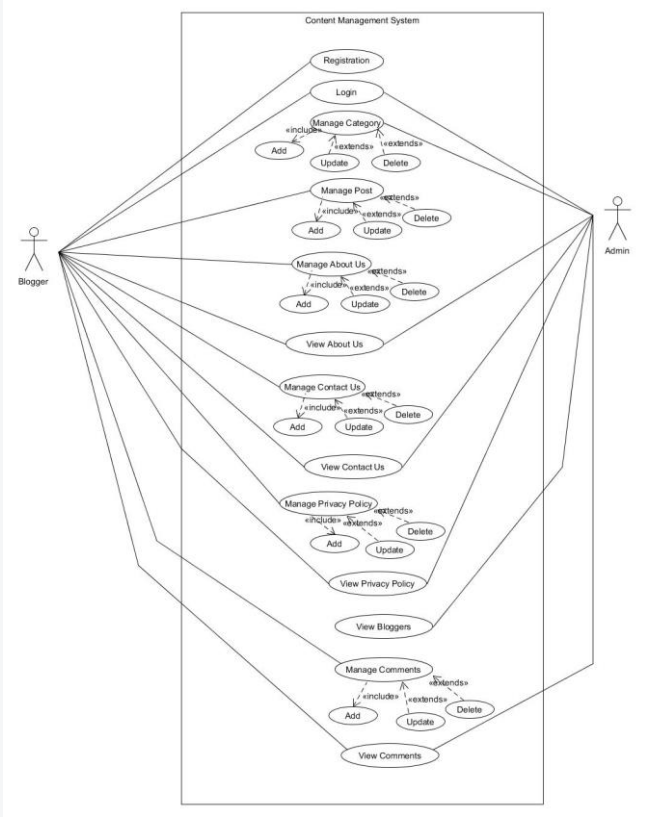
02 Security

The System will be password protected. Users will have to enter the correct Email ID and password to access the system.

03 Responsive

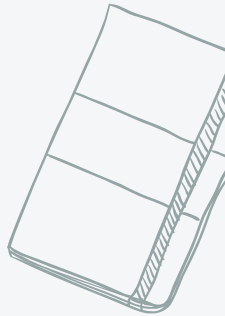
The system will be designed to work on any modern digital device with browser compatibility of its display size, resolution, orientation and aspect ratio.

Use case Diagram



Click Here...

Database Schema



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emailid	varchar(150)
password	varchar
usertype	varchar(10)

tblcomments	
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username	Varchar(10)
commentdetail	varchar(150)

tblpost	
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content	varchar(500)
url	string

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siteurl	string
cookies	string
googleads	string
thirdpartyads	string

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socialmedialinks	varchar(20)

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aboutusid	int
sitename	varchar(15)
authorname	varchar(15)
authorimage	image
description	varchar(500)

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Thank You