

**Veer Narmad South Gujarat University, Surat.**

**M.Sc. (Information Technology) Program**



**Project Report**

**6<sup>th</sup> Semester**

**M.Sc. (Information Technology)**

**5 Year Integrated Course**

**Year 2017 – 2018**

**CUSTOMIZED CONTENT MANAGEMENT SYSTEM**

**Guided By:**

Mr. Parimal Patel

**Submitted By:**

Anjali Lakdawala (49)

**PALSOFT India**

1046, Westfield, opp. St Xavier School, Ghod Dod Road, Surat-395007.

## **Veer Narmad South Gujarat University, Surat.**

### **M.Sc. (Information Technology) Programme**

### **Certificate**

This is to certify that Ms. Anjali Lakdawala, Exam seat number **49** has satisfactorily completed their project entitled **CUSTOMIZED CONTENT MANAGEMENT SYSTEM** as a partial fulfillment of the requirements for 6<sup>th</sup> semester - M.Sc.(Information Technology) [5 Year Integrated Course], during the academic Year 2014-15.

Date:

Place:

**Course Coordinator**  
**M.Sc. (I.T.) Programme.**  
**VNSouth Gujarat University,surat**

## ACKNOWLEDGEMENT

We take this opportunity with much pleasure to thank all the people who have helped us through the course of our journey towards producing this report. We sincerely thank our project guide (Internal Guide) **Ass. Prof. Payal Joshi** and (External Guide) **Parimal Patel** for his guidance, help and motivation. Apart from the subject of our project, we learnt a lot from him, which we are sure, will be useful to us in different stages of our life. We would like to express our gratitude to them for much help with the project design and methodology, and for review and many helpful comments.

We would like to thank our concerned faculty members for their assistance in finalizing the project problem and useful comments. We would like to thank our other members of faculty at **B.SC (IT)** for their caring and supportive attitude. We would like to thank all the lab assistants for their assistance and help.

Thanking All.

**Parimal Patel**

**Anjali Lakdawala (49)**

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## 1. Introduction:

### 1.1 Company Profile:

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<b>Name</b>	:	PALSOFT India
<b>Address</b>	:	1046, Westfield, opp. St Xavier School, Ghod Dod Road, Surat-395007.
<b>Director</b>	:	Mr.Parimal Patel
<b>Company Type</b>	:	IT Solutions & Services
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<b>Website</b>	:	<a href="http://www.palsoft.co.in">www.palsoft.co.in</a>
<b>Introduction</b>	:	PALSOFT India is founded by Parimal Patel to Provide best technology and customized and smarter solution with best services To small, medium and big scale business worldwide specializing in development With various technologies for web/desktop application: web services and mobile Application.
<b>Development</b>	:	Web Designing & Web Development Mobile Application Development Desktop Application

## **1.2 Customer Profile:**

### **1.2.1) Current System:**

The current CMS has all facility needed to develop a fabulous website but they have a problem that storing all information at a single table that may leads to slow page load ,timing issues, storage running out, time consuming when fetching large amount of information and also may lead to loss of data sometimes.

Rather with Customized Content Management System helps to reduce all these problems and gives you the facility to develop a fine website by deploying all information at proper tables and gives you the faster access to site.

### **1.2.3) Customer Detail:**

Customer of CMS are the one who needs to develop the websites at faster rate without wasting much time on focusing on HTML and interface design and who don't waste much money and time for designing by hiring designer.

Rather they choose to develop the website by choosing Customized CMS which gives you faster access to site without concerning about HTML at low cost.

## 2. Proposed System

### **2.1 Project Definition:**

- A CMS is a software tool that allows you to create, edit, and publish content. While early CMS software was used to manage documents and local computer files, most CMS systems are now designed exclusively to manage content on the Web.
- The project name customized CMS means we are managing the content as per the requirement of ours. We have developed the system as per needs and customized it with our requirement.
- CMS systems work by featuring a common user interface that allows multiple users to add, remove and edit content on a website to a predetermined template. And such preset designs mean that a site can benefit from a harmonious aesthetic and allow the content producers to focus on the message, rather than having to deal with unwieldy HTML or CSS.

### **Introduction of Project:**

#### **Admin Panel:**

- Content Management
- Manage Pages
- Manage Posts
- Manage News & Events
- Manage Menus
- Manage Gallery
- Manage Portfolio

## 2.2 Scope:

The proposed software is Content Management System. It meets the demands of users with its flexible framework, which allows designers and developers to create and modify layouts and applications. It handles all complexities of setting up and customizing your website; all you have to do is to update the content on pages, posts, etc.

There are several free templates to choose from, so you can give your website any look you want. CMS themes are easy to customize because a lot of them come with their own options panel allowing you to change background, change colors, upload logo, create beautiful sliders, and do other things without ever writing any code at all.

## 2.3 Goals & Objectives:

### Goals:

- Easy to Maintain Web Content.

### Objectives:

- Increase flexibility of site.
- Admin can Easily Organize Event and Manage it.
- Admin can Easily Manage Pages, Posts, News, Menus & etc.
- Easy to navigate system.
- Improve customer experience.
- Support website growth.
- Reduce website maintenance costs.

## 2.4 Constraints:

The Constraints associated in the development of any system include those that are common to all system. The common constraints may include lack of managerial participation, tight development schedule, frequent change in requirements of the management, etc. I have also experience similar types of constraints listed above and some of others are listed below with which I have developed this system:

- It is general system and hence there is unique form layout and format.
- It requires Windows XP or higher Operating system.
- This website is to be developed as a part of curriculum and submitted within a period of three months

## 2.5 Expected Advantages:

1. **User-friendly.** Content management software uses templates, which makes it simple to upload text, images. It's also handy for in-text editing following a WYSIWIG (what you see is what you get) format. No HTML skills are necessary.
2. **Empower staff.** You can delegate content management to anyone without requiring a webmaster. Anyone from the rank-and-file can follow the basic steps to publishing new content.
3. **Publish quickly.** Upload a trending story or urgent announcement fast without needing to wait for I.T or layout artist. Users can format content, add/edit images and create links with drag-and-drop ease. You can even publish on the go, as most content management systems are mobile-compliant.
4. **Collaborate.** Many content management systems allow for content sharing and act as centralized data storage. Files are standardized and consistent throughout your organization. And since the system is accessible via cloud, you can work with remote teams and offshore staff, further extending your human resource pool.
5. **Dynamic content.** CMS makes your content dynamic, meaning you can update articles as needed. This is useful for developing stories or covering a live event. Users can easily upload the latest data and re-publish with a click over and over, to give your audience the most recent content.

6. **Streamlined workflow.** It is easy to assign your staff with clear regular tasks built on CMS. You can set publishing time down to the day, hour and minute. Likewise, you can check historical data to review who published what in a given period.
7. **Less operational costs.** You utilize existing staff instead of hiring outside help to manage content. You can drastically cut on operational expense in one budget year.

## **2.6 Limitations:**

- **No clear calls to action**
  - Website created with CMS has not many actions to do with user. User Can only do is view the site; give comment, read related post etc.
  - In this situation you have to guide user what to do next.

## **2.7 Features of the system:**

- **Speed and Performance**
  - It helps you create your website design easily and speedily because not have write any code for design purpose just have to select design tools as your needs.
- **Easy administration**
  - Admin can manage different roles like editors, contributors, user and others.
  - Admin can add functionality through modules and templates.
  - Keeps track of scheduled content.
- **Quick Layouts**
  - CMS has a simple dropdown list that contains all the layout options available.

- **Browser-based Content Authoring**

- You don't have to go all techie or sit through hours of training to start creating and editing content. You can learn a few things and then feel your way through naturally. And yes, you can work at home or while on a business trip.

- **Core Functionality**

- The core functionality of any CMS is to manage the website, which means to create, add, delete, edit and maintain the web pages. But most of the people take this functionality in a very casual way as they think that all CMS are just meant to perform these functions only.

- 

- **Editor**

- An editor is one of the main features of CMS that needs a proper attention. Actually, the editor is the interface which is used to add and edit the content

- **User interaction**

- CMS has functionalities of user feedback. You can add the functionality like chat, comments, ratings and forums.

- **Short code**

- This feature of CMS gives the facility to author that don't need to write same content again and again just copy and paste its short code to include page, post or menu into another page, or posts.

## 3. Environment Specification:

### 3.1 Hardware Requirement:

- **Processor:** Pentium 4 Processor 3.0 GHz. Or Higher
- **RAM:** 2 GB
- **Hard Disk:** 220 GB or Higher
- **OS :** Windows XP, Windows 7

### 3.2 Software Requirement :

- **Front-End:** PHP
- **Back-End:** MYSQL
- **Supporting :** HTML & Jquery
- **Operating System:** Windows or Higher

## 4. System Analysis:

### System Analysis:

- A custom CMS doesn't always mean proprietary.
- Depending on your needs a custom CMS may be needed or may not.
- CMS is developed for Informative website; you can manage all web content without concentrating about code writing and edit content according to needs of website.
- You can manage users and allows different user to make changes.
- You can customize your website to give it attractive look and display customized content.

### 4.1 Feasibility Study:

#### Operational Feasibility:

- Major training and new skills are not required.
- From the Admin perspective our system is fully operational feasible.
- Admin just requires some knowledge of computer.
- It will help in the time saving and fast processing
- and dispersal of member request and application

#### Technical Feasibility:

- “Content Management System” Web Application is basically require existing computer, hardware and software etc.
- Minimum System Requirements such that it can be affordable by of the Admin who is having computer.
- The Technical knowledge is also required for use our Application.
- All the user requires is compatible browser installed. So our system is fully technical feasible.

## 4.2 Project Schedule:

### 4.2.1 Timeline Chart

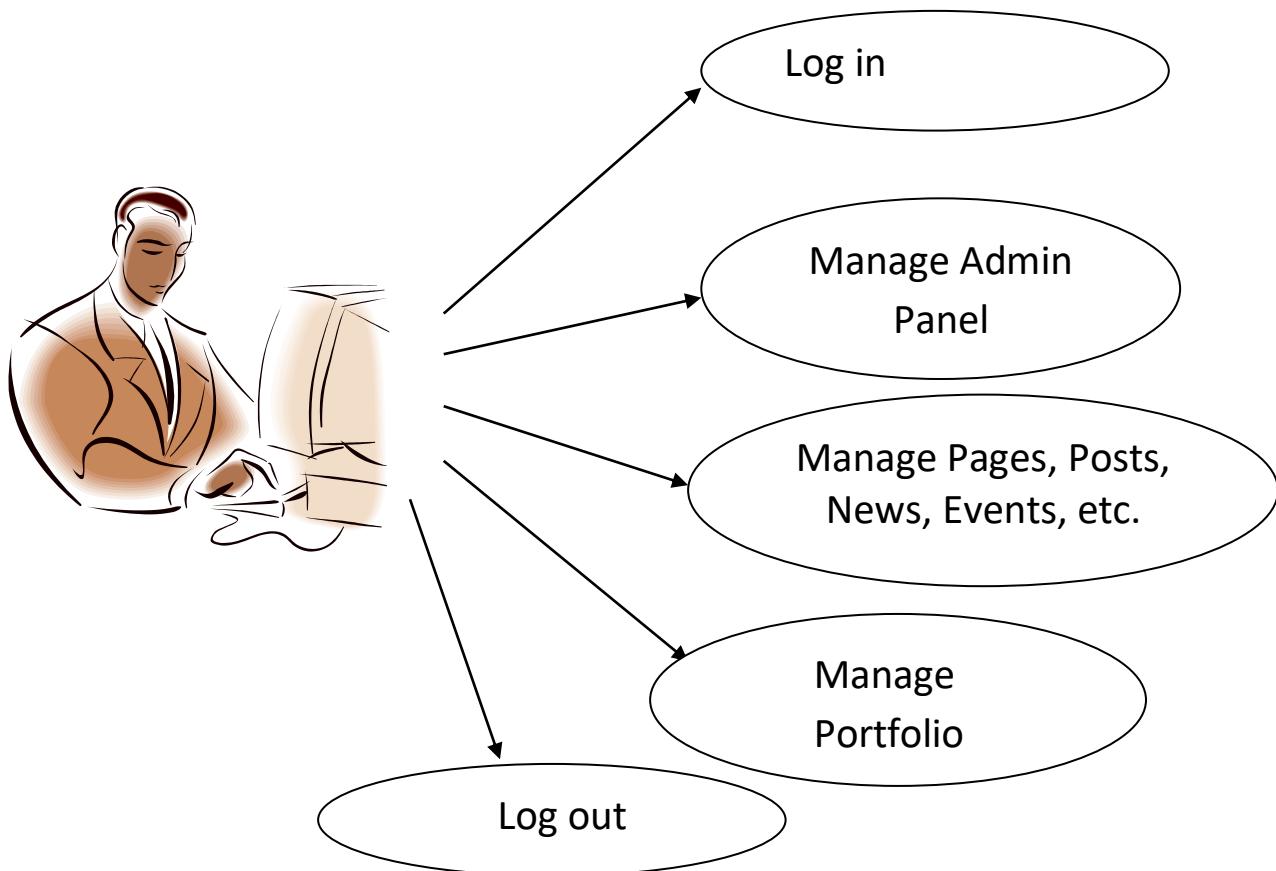
Task	March 1-7	March 8-14	March 15-21	March 22-30	April 1- 6	April 7-13	April 14-20	April 21-27	April 28- May 3	May 4-10	May 11-17	May 18-24	May 25- June 1	June 2-10	June 10-16	
Study Existing System																
Requirement Gathering																
Database Design																
Architecture																
Evaluation																
Event & news Module																
Requirement Gathering																
Post & Page Module Design																
Menu Module																
Portfolio Module																
Manage Module																
Testing																

## 5. System Analysis:

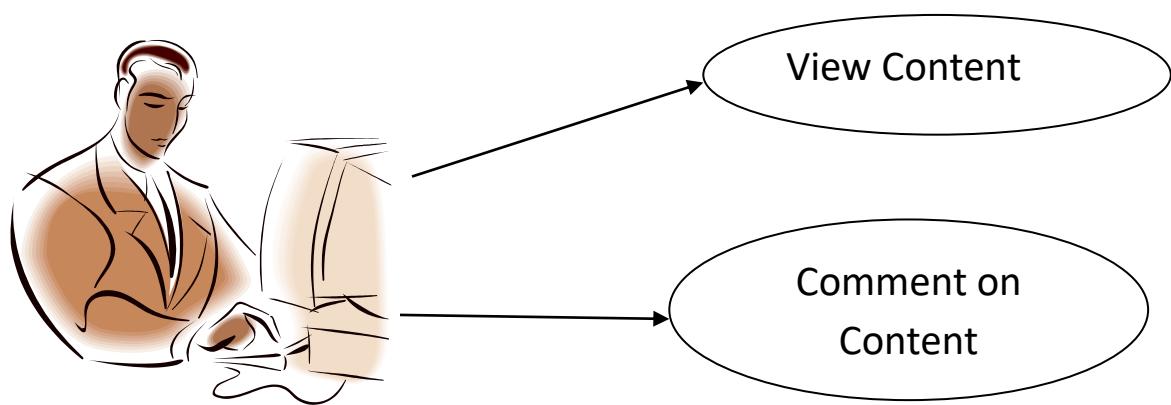
### 5.1 UML Diagram:

#### 5.1.1 Use Case Diagram:

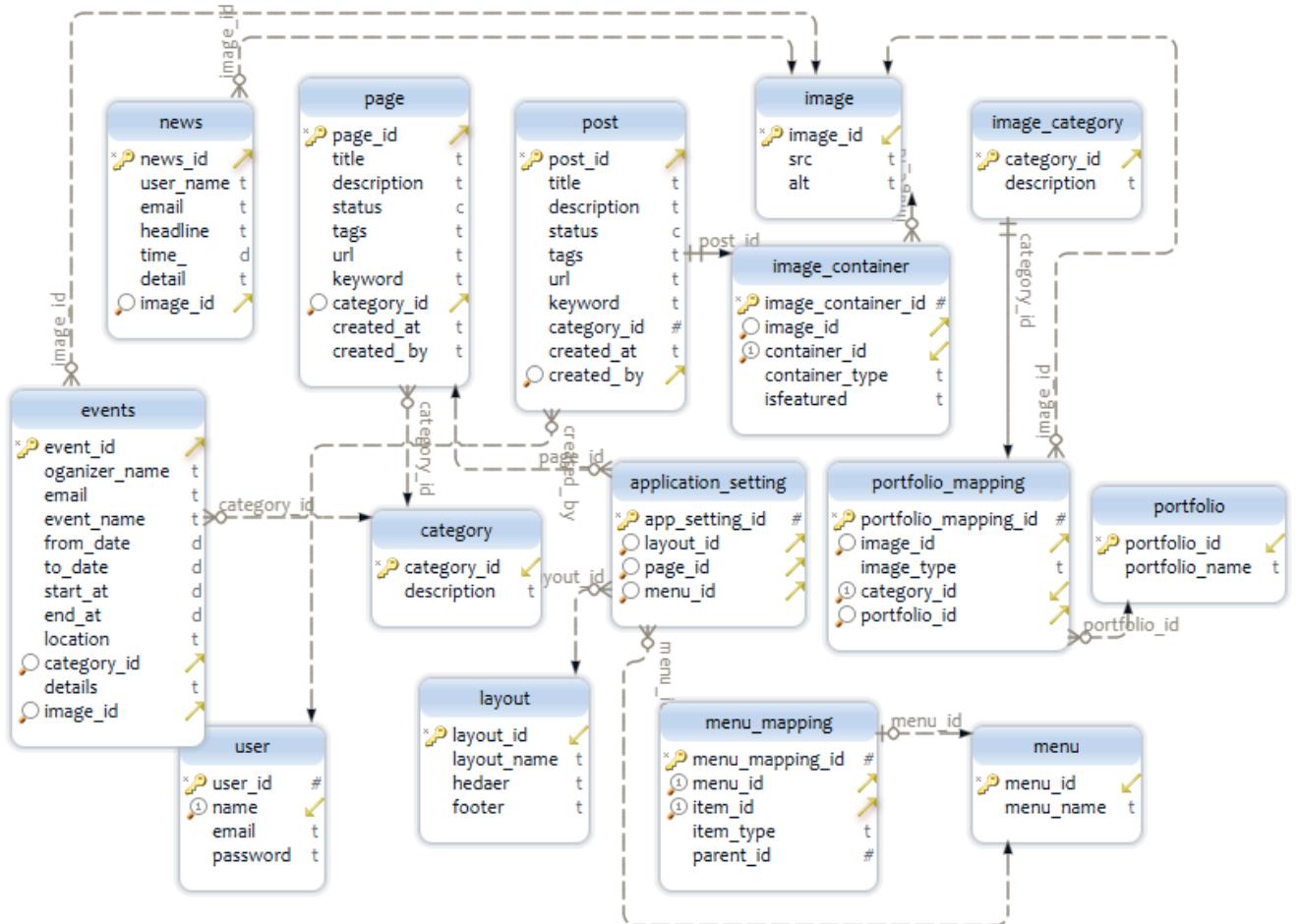
- Admin side :



- User side :

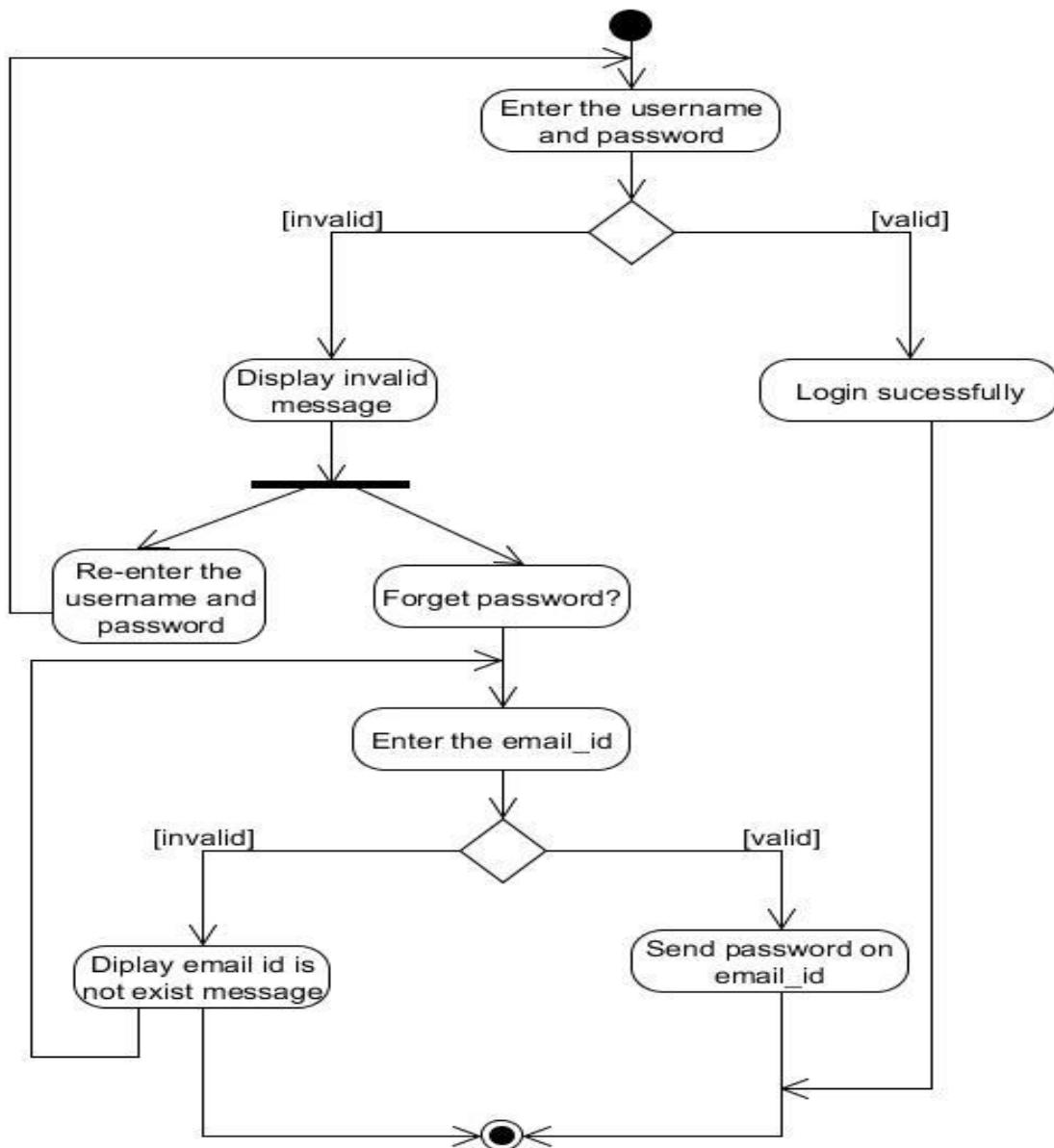


## 5.1.2 Class Diagram

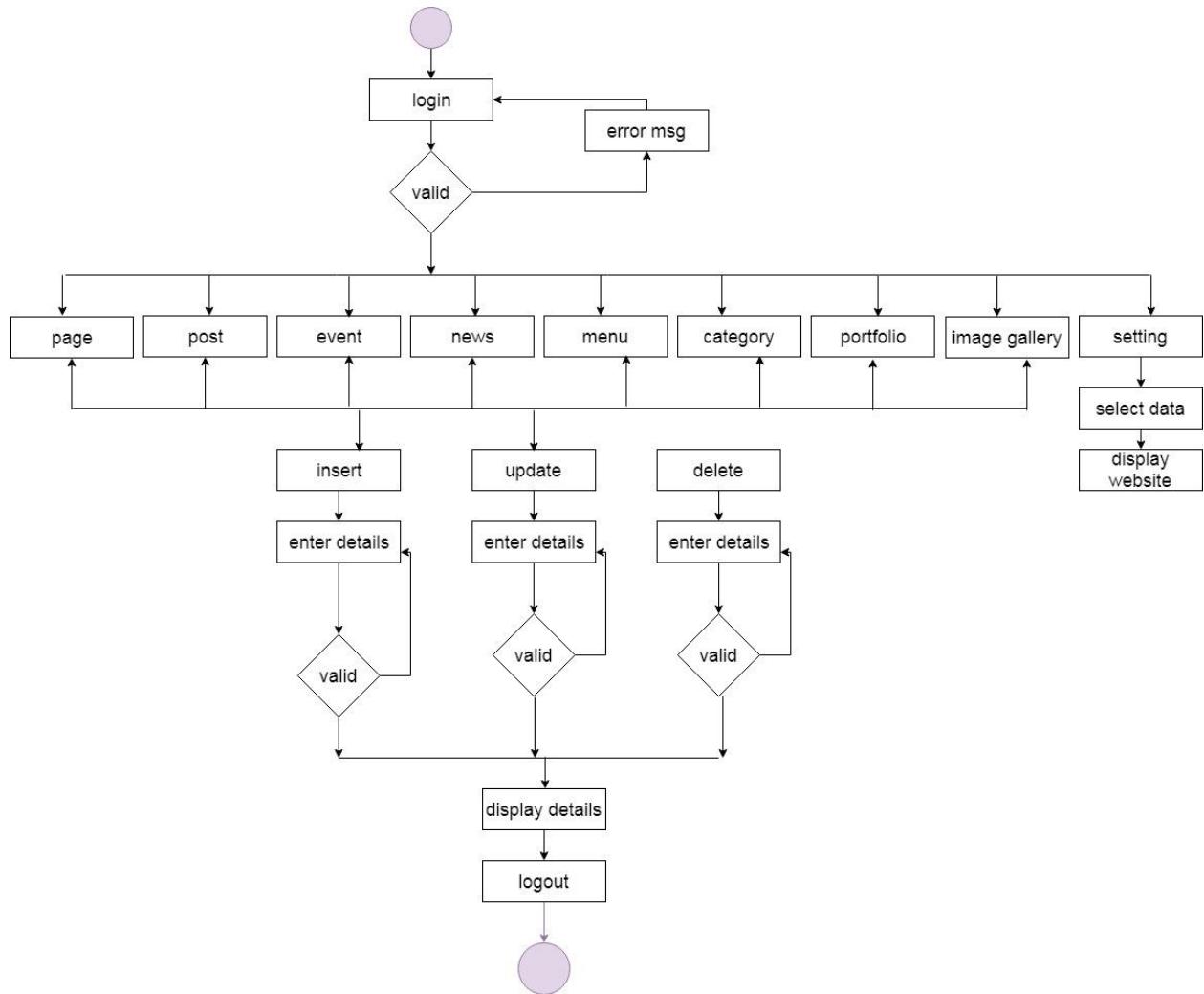


### 5.1.3 Activity Diagram:

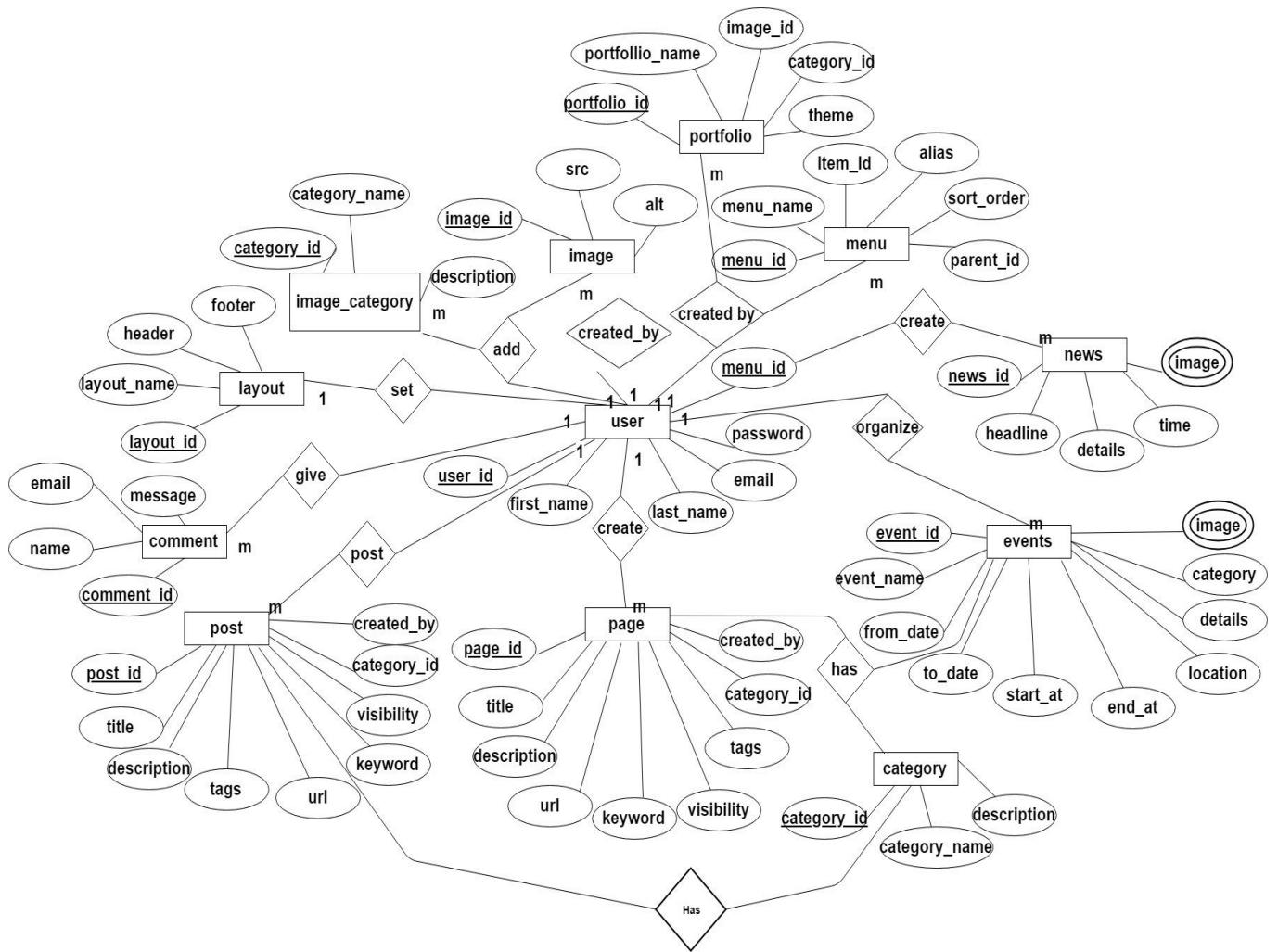
#### Login:



## Manage Content:

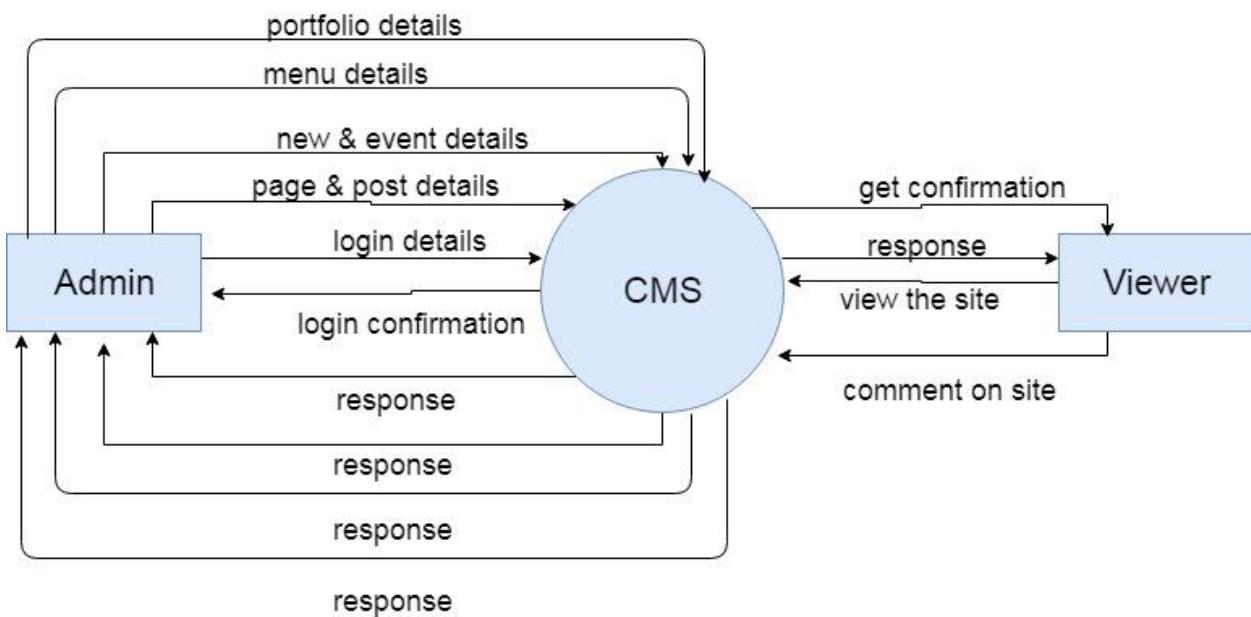


## 5.2 ER (Entity Relationship) Diagram :

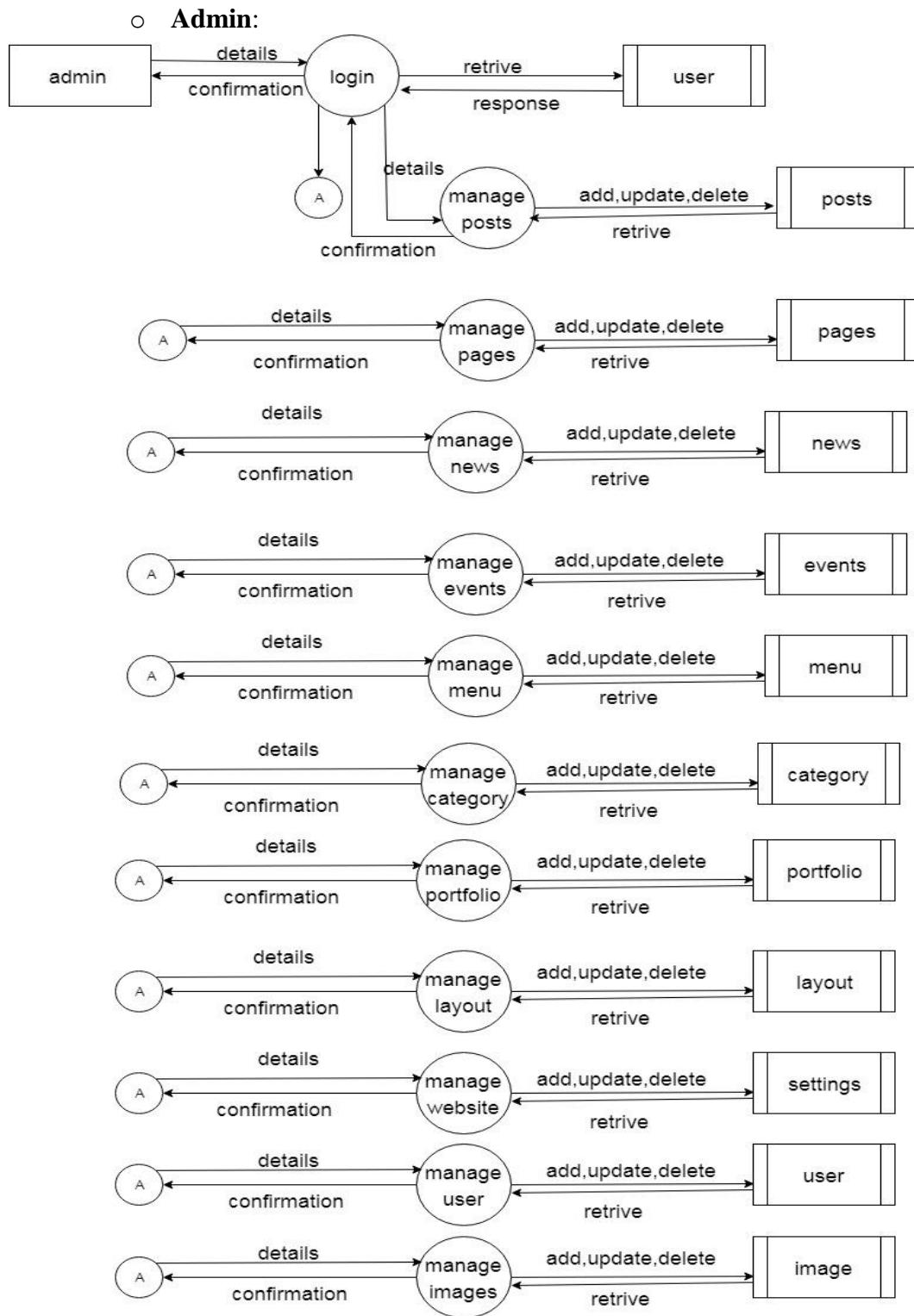


### 5.3 Data Flow Diagram:

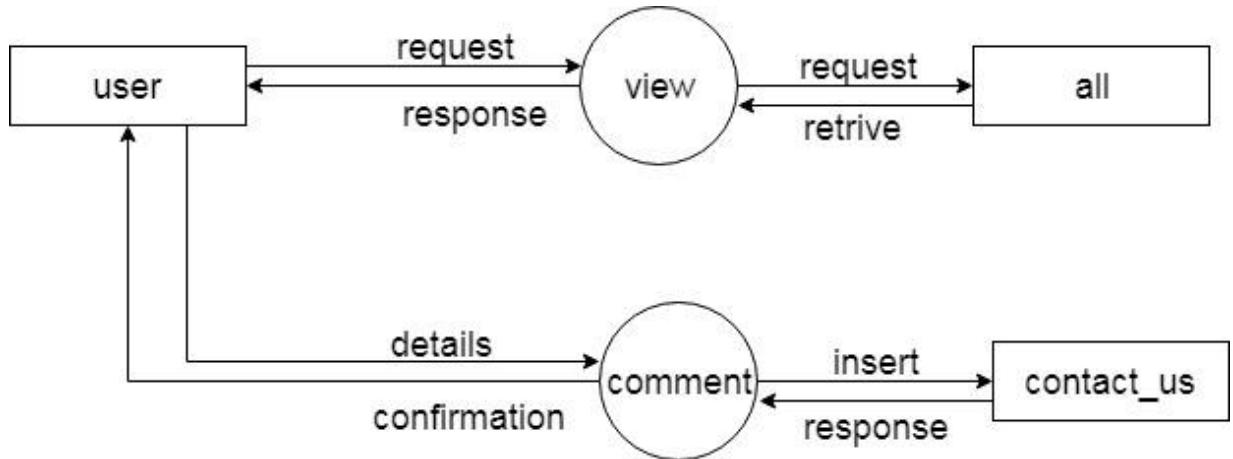
- 0 level :



- Level 1 :

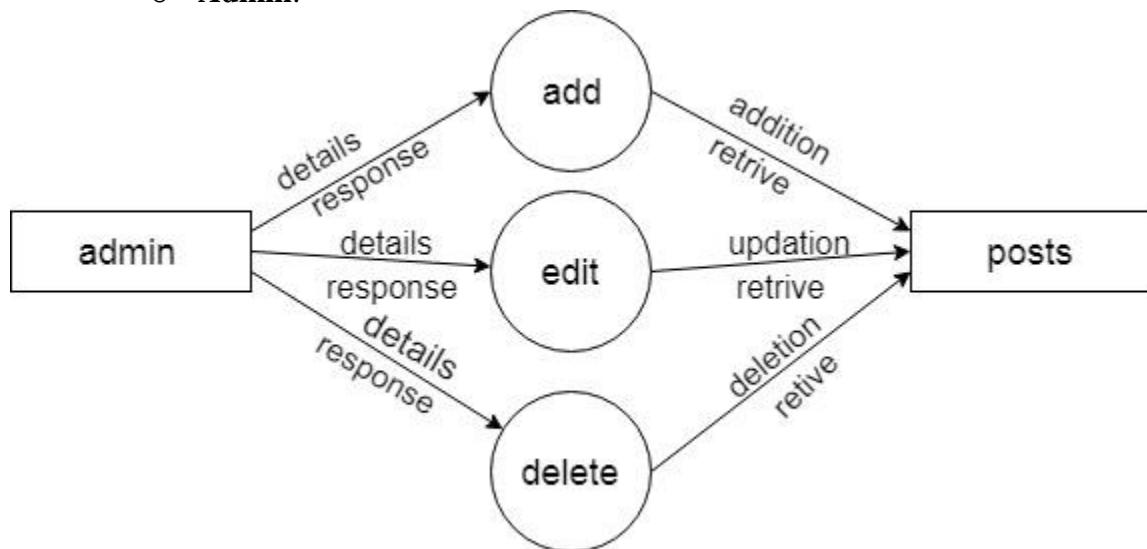


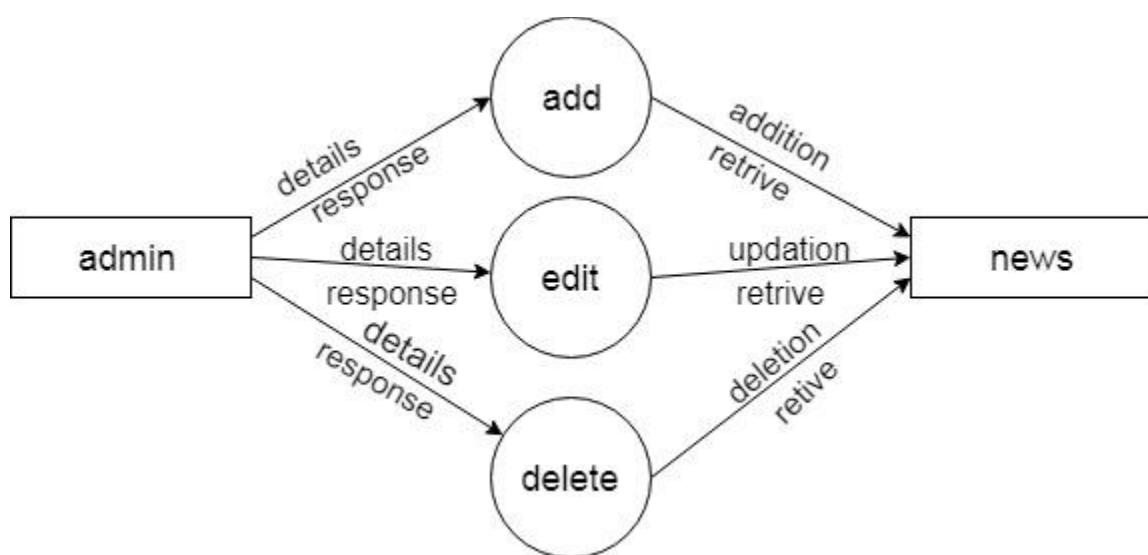
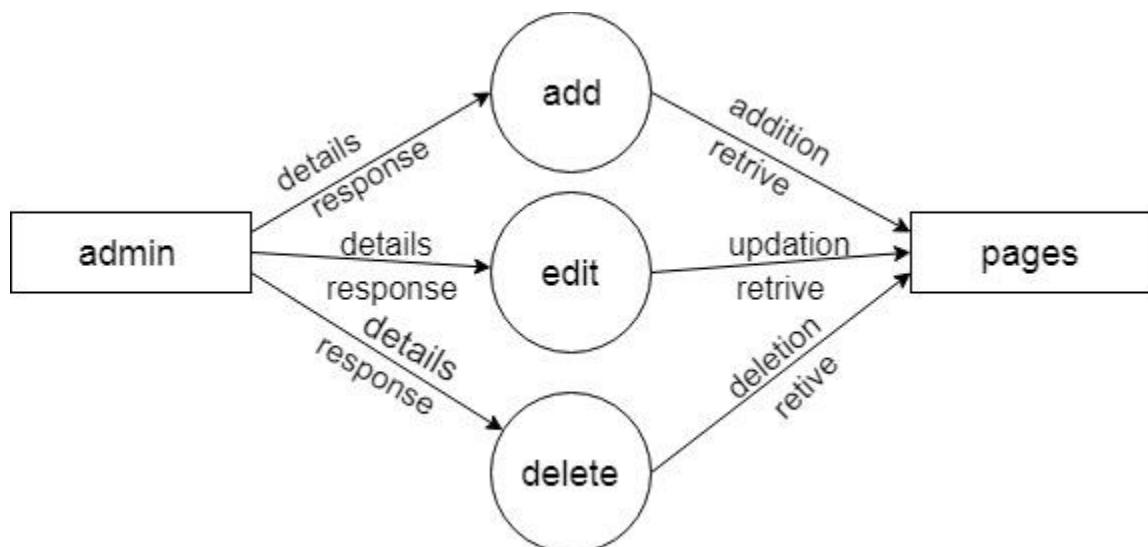
- **user:**

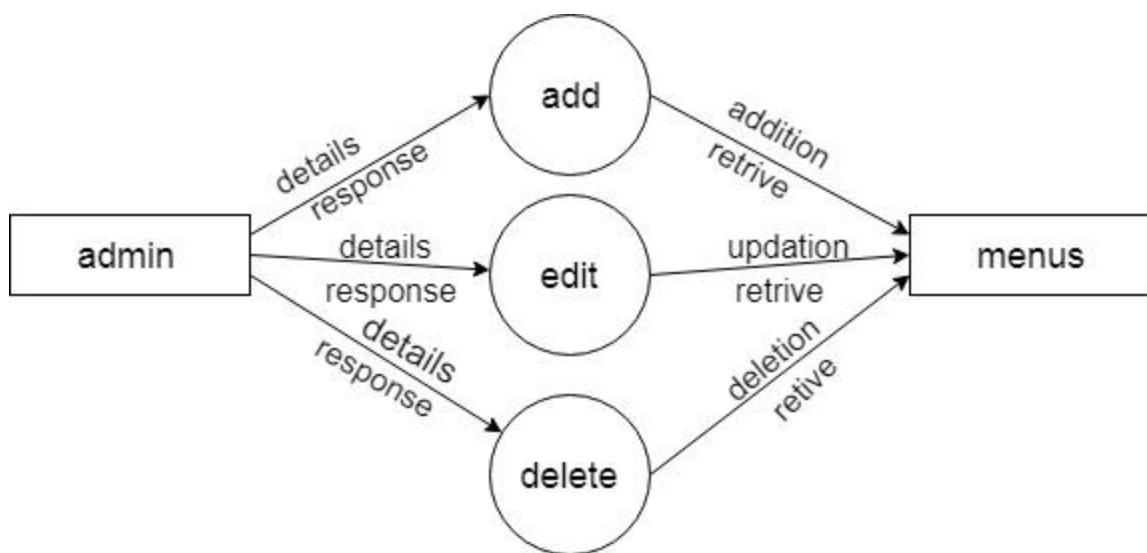
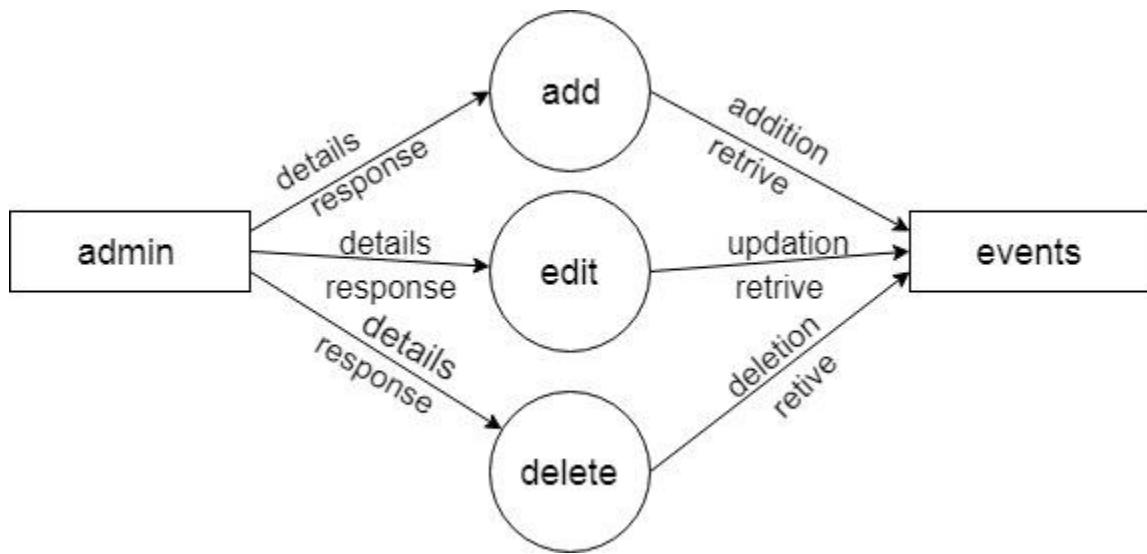


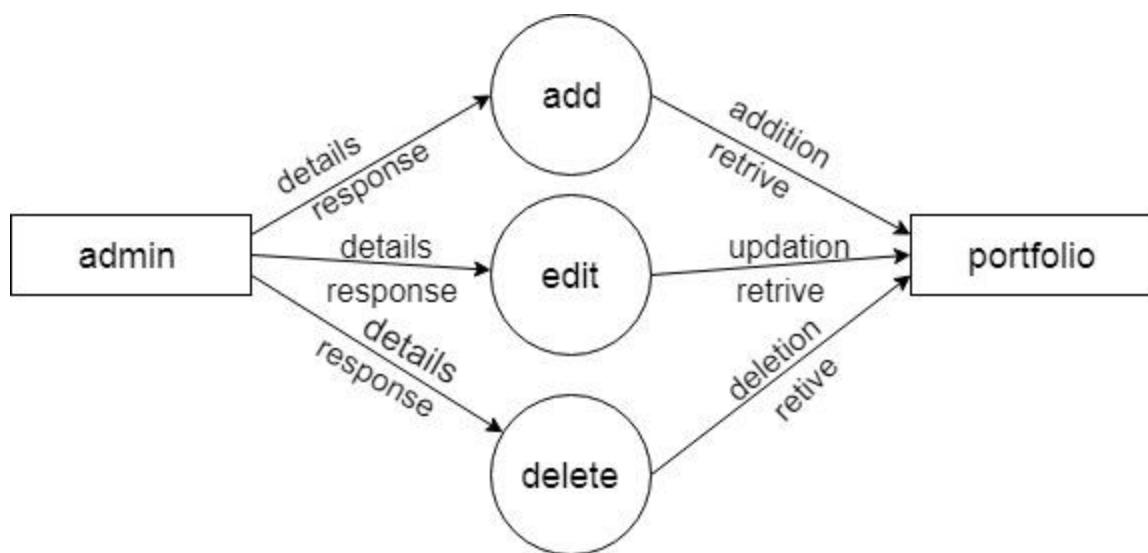
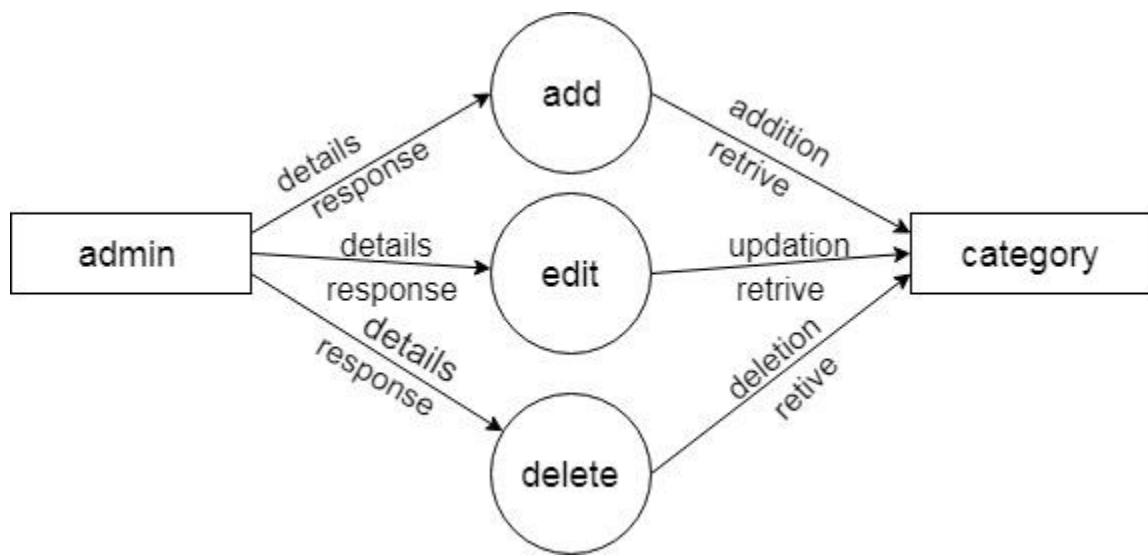
- **Level 2 :**

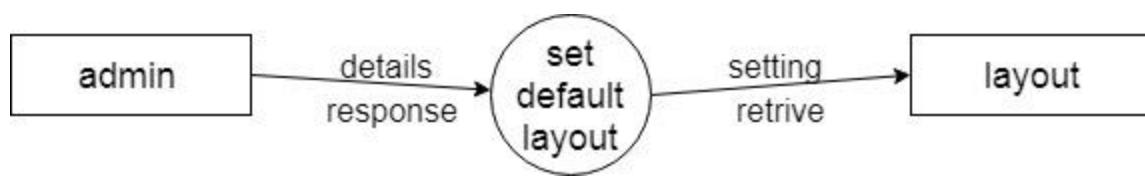
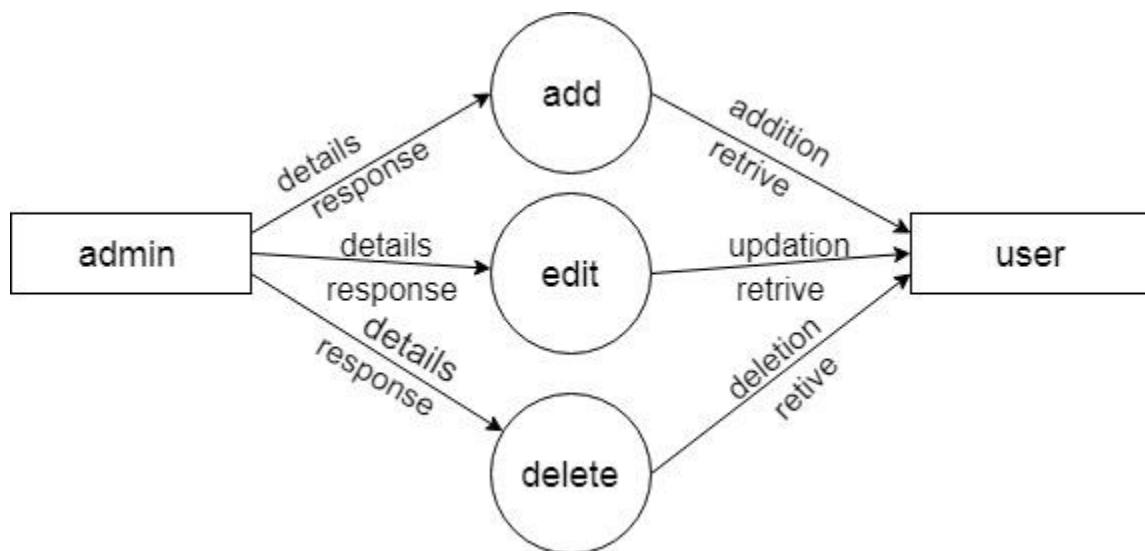
- **Admin:**











## Data dictionary

### Post/page:

<b>name</b>	<b>data type</b>	<b>field size</b>	<b>description</b>	<b>example</b>
title	varchar	255	name of post	mypost
url	varchar	255	slug	my_post
tags	varchar	255	tags for post	#post
description	text		description	
category_id	int	11	id of category	1
status	varchar	6	status for post	draft/posted

### Event:

<b>name</b>	<b>data type</b>	<b>field size</b>	<b>description</b>	<b>example</b>
Event_name	varchar	255	name of event	run for india
start_date	date		stating date	mm/dd/yyyy
end_date	date		ending date	mm/dd/yyyy
details	text		description	
category_id	int	11	id of category	1
location	varchar	6	status for post	draft/posted
state	varchar	255	state name	Gujarat
country	varchar	255	country name	India
image_id	int	11	image_id	2

### News:

<b>name</b>	<b>data type</b>	<b>field size</b>	<b>description</b>	<b>example</b>
headline	varchar	255	headline	run for india
details	text		description	
category_id	int	11	id of category	1
image_id	int	11	image_id	2

portfolio:

name	data type	field size	description	example
portfolio name	varchar	255	name of portfolio	run for India
image_id	int	11	id of image	
category_id	int	11	id of category	1
theme	varchar	6	theme	grid/slider

Menu:

name	data type	field size	description	example
Menu name	varchar	255	name of Menu	run for india
Item_id	int	11	id of Item	1
type	varchar	6	type of item	event/post/news
parent_id	int	11	parent	1

user:

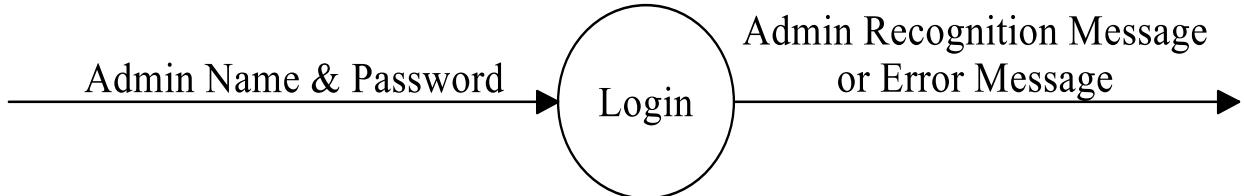
name	data type	field size	description	example
first name	varchar	255	first name	Anjali
last_name	varchar	255	last name	Lakdawala
password	varchar	100	password	anjali123
email	varchar	255	email id	Anjali@gmail.com

Layout:

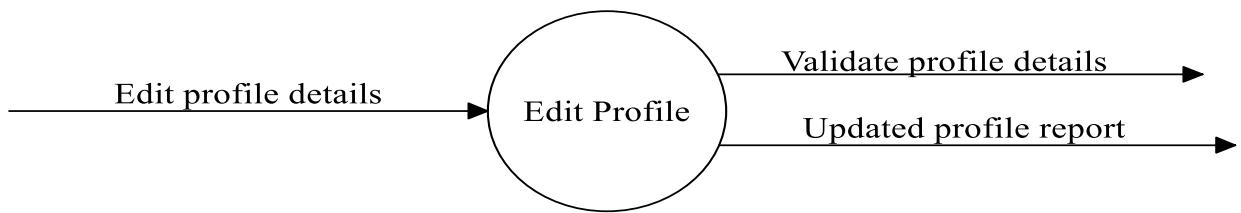
name	data type	field size	description	example
header	varchar	255	header text	Incredible India
footer	varchar	255	footer text	Indian Tourism

## Process Specification

✓ Admin



1. **Name:** Login
2. **Description:** Receives the Admin Name and Password from the Admin, Validate them from Database, Table: user and if exist Display recognition Message to Admin else show Error message.
3. **Input Data Flow:** Admin Name and Password from the Admin.
4. **Output Data Flow:** Admin Recognition Message or Error Message.
5. **Validation:** Check for existence of correct Admin Name and Password from database.



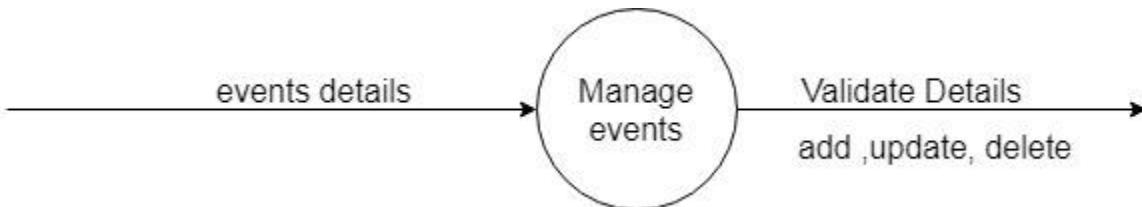
**1. Name:** Edit Profile

**2. Description:** Receives the Admin Profile Details from the Admin, Validate them from Database, Table: user and mark the entry in Database, Table: user according to requirements.

**3. Input Data Flow:** Admin profile details from Admin

**4. Output Data Flow:** Validate Admin profile details to Database, Table: user.

**5. Validation:** Check for valid profile details



**1. Name:** Manage Events

**2. Description:** Receives the Events Details from the Admin or Database, Table: Events Validate them and mark the entry in Database, Table: Events according to requirements.

Admin Add the Events Details to Database. Admin Delete the events Details.  
Admin update events Details.

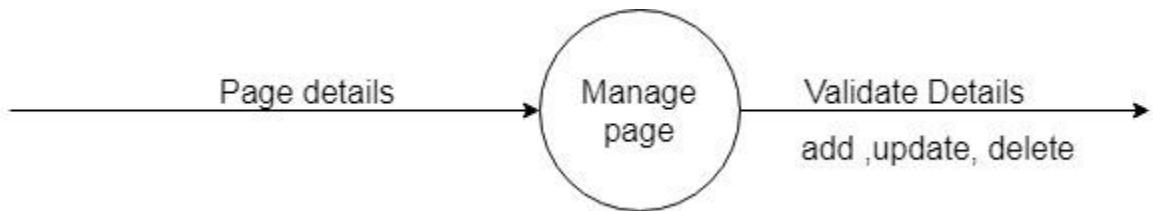
**3. Input Data Flow:** Event details.

**4. Output Data Flow:** Validate the event details.

**5. Validation:** Check for valid event details.



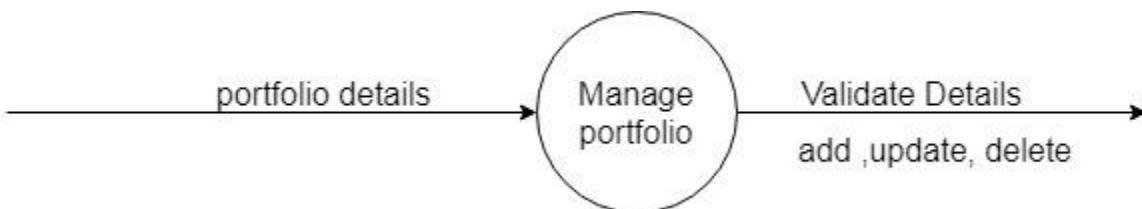
- 1. Name:** Manage News
- 2. Description:** Receives the News Details from the Admin or Database, Table: News Validate them and mark the entry in Database, Table: News according to requirements.  
Admin Add the News Details to Database. Admin Delete the News Details.  
Admin update News Details.
- 3. Input Data Flow:** News details.
- 4. Output Data Flow:** Validate the News details.
- 5. Validation:** Check for valid News details.



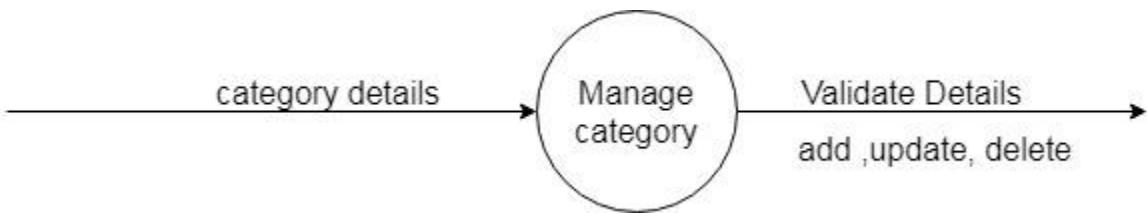
- 1. Name:** Manage Posts
- 2. Description:** Receives the Posts Details from the Admin or Database, Table: Posts Validate them and mark the entry in Database, Table: Posts according to requirements.  
Admin Add the Posts Details to Database. Admin Delete the Posts Details. Admin update Posts Details.
- 3. Input Data Flow:** Posts details.
- 4. Output Data Flow:** Validate the Posts details.
- 5. Validation:** Check for valid Posts details.



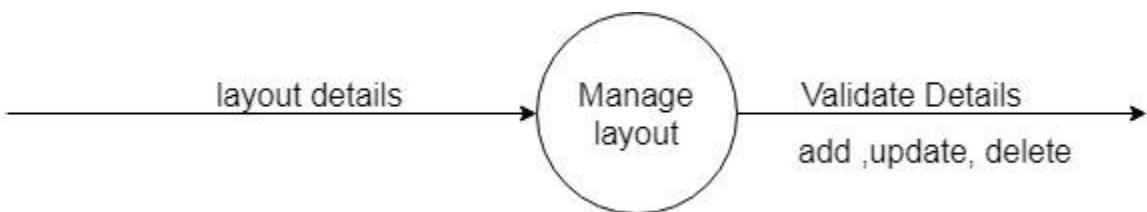
- 1. Name:** Manage Pages
- 2. Description:** Receives the Pages Details from the Admin or Database, Table: Pages Validate them and mark the entry in Database, Table: Pages according to requirements.  
Admin Add the Pages Details to Database. Admin Delete the Pages Details. Admin update Pages Details.
- 3. Input Data Flow:** Pages details.
- 4. Output Data Flow:** Validate the Pages details.
- 5. Validation:** Check for valid Pages details.



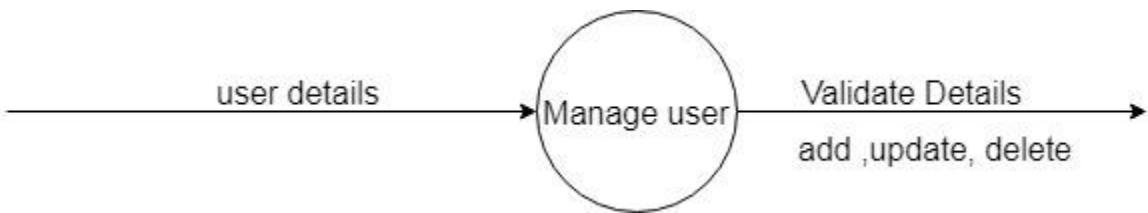
- 1. Name:** Manage Portfolio
- 2. Description:** Receives the Portfolio Details from the Admin or Database, Table: Portfolio Validate them and mark the entry in Database, Table: Portfolio according to requirements.  
Admin Add the Portfolio Details to Database. Admin Delete the Portfolio Details. Admin update Portfolio Details.
- 3. Input Data Flow:** Portfolio details.
- 4. Output Data Flow:** Validate the Portfolio details.
- 5. Validation:** Check for valid Portfolio details.



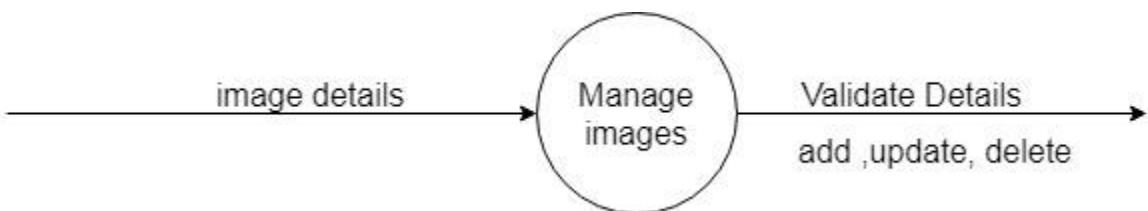
- 1. Name:** Manage Category
- 2. Description:** Receives the Category Details from the Admin or Database, Table: Category Validate them and mark the entry in Database, Table: Category according to requirements.  
Admin Add the Category Details to Database. Admin Delete the Category Details. Admin update Category Details.
- 3. Input Data Flow:** Category details.
- 4. Output Data Flow:** Validate the Category details.
- 5. Validation:** Check for valid Category details



- 1. Name:** Manage Layout
- 2. Description:** Receives the Layout Details from the Admin or Database, Table: Layout Validate them and mark the entry in Database, Table: Layout according to requirements.  
Admin Add the Layout Details to Database. Admin Delete the Layout Details. Admin update Layout Details.
- 3. Input Data Flow:** Layout details.
- 4. Output Data Flow:** Validate the Layout details.
- 5. Validation:** Check for valid Layout details



- 1. Name:** Manage User
- 2. Description:** Receives the User Details from the Admin or Database, Table: User Validate them and mark the entry in Database, Table: User according to requirements.  
Admin Add the User Details to Database. Admin Delete the User Details. Admin update User Details.
- 3. Input Data Flow:** User details.
- 4. Output Data Flow:** Validate the User details.
- 5. Validation:** Check for valid User details



- 1. Name:** Manage Images
- 2. Description:** Receives the Images Details from the Admin or Database, Table: Images Validate them and mark the entry in Database, Table: Images according to requirements.  
Admin Add the Images Details to Database. Admin Delete the Images Details. Admin update Images Details.
- 3. Input Data Flow:** Images details.
- 4. Output Data Flow:** Validate the Images details.
- 5. Validation:** Check for valid Images details

## 6. System Design

### 6.1 Database Design

#### Table name: Events

Description: It stores all the data of the events organized by admin.

Sr.N0	Field Name	Data type	Constraint
1	event_id	int (11)	Primary Key
2	organizer_name	varchar(100)	
3	Email	varchar(100)	
4	event_name	varchar(100)	
5	from_date	date	
6	to_date	date	
7	start_at	varchar(100)	
8	end_at	varchar(100)	
9	Location	varchar(255)	
10	Address	text	
11	City	varchar(10)	
12	State	varchar(100)	
13	Pincode	varchar(6)	
14	Country	varchar(10)	

15	Details	text	
16	category_id	int(11)	Foreign key
17	Image	varchar(255)	

**Table name:** Posts

**Description:** It stores all the data of the post posted by admin.

Sr.N0	Field Name	Data type	Constraint
1	post_id	int (11)	Primary Key
2	Title	varchar(100)	
3	Description	text	
4	Status	varchar(6)	
5	Tags	varchar(100)	
6	url	varchar(100)	
7	Keyword	varchar(100)	
8	Visibility	varchar(7)	
9	category_id	int(11)	Foreign key
10	created_by	varchar(100)	
11	created_at	varchar(100)	
12	modified_at	varchar(100)	

**Table name:** Image

**Description:** It stores all the data of the images.

Sr.N0	Field Name	Data type	Constraint
1	image_id	int (11)	Primary Key
2	src	varchar(100)	
3	Alt	varchar(100)	

**Table name:** Image\_container

**Description:** It stores all the data of the images and its container.

Sr.N0	Field Name	Data type	Constraint
1	image_container_id	int (11)	Primary Key
2	Image_id	int(11)	Foreign key
3	container_id	int(11)	Foreign key
4	container_type	varchar(5)	
5	isfeatured	Varchar(5)	

**Table name:** Pages

**Description:** It stores all the data of the page created by admin.

Sr.N0	Field Name	Data type	Constraint
1	page_id	int (11)	Primary Key
2	Title	varchar(100)	
3	Description	text	
4	Status	varchar(6)	
5	Tags	varchar(100)	
6	url	varchar(100)	
7	Keyword	varchar(100)	
8	Visibility	varchar(7)	
9	category_id	int(11)	Foreign key
10	created_by	varchar(100)	
11	created_at	varchar(100)	
12	modified_at	varchar(100)	

**Table name:** category

**Description:** It stores all the different categories.

Sr.N0	Field Name	Data type	Constraint
1	category_id	int (11)	Primary Key
2	category_name	varchar(100)	
3	description	text	

**Table name:** menu

**Description:** It stores all names of menu created.

Sr.N0	Field Name	Data type	Constraint
1	menu_id	int (11)	Primary Key
2	menu_name	varchar(100)	

**Table name:** user

**Description:** It stores all the data of different user created .

Sr.N0	Field Name	Data type	Constraint
1	user_id	int (11)	Primary Key
2	first_name	varchar(100)	
3	last_name	varchar(100)	
4	email	varchar(255)	
5	password	varchar(50)	

**Table name:** application\_setting

**Description:** It stores all default setting of website.

Sr.N0	Field Name	Data type	Constraint
1	app_setting_id	int (11)	Primary Key
2	layout_id	int(11)	foreign key
3	page_id	int(11)	foreign key
4	menu_id	int(11)	foreign key

**Table name:** contact\_us

**Description:** It stores comments given by user.

Sr.N0	Field Name	Data type	Constraint
1	id	int (11)	Primary Key
2	name	varchar(100)	
3	email	varchar(255)	
4	message	text	

**Table name:** layout

**Description:** It stores all data of layout stored.

Sr.N0	Field Name	Data type	Constraint
1	layout_id	int (11)	Primary Key
2	layout_name	varchar(100)	
3	header	text	
4	footer	text	

**Table name:** menu\_mapping

**Description:** It stores all the data about menu and its items.

Sr.N0	Field Name	Data type	Constraint
1	menu_mapping_id	int (11)	Primary Key
2	menu_id	int(11)	foreign key
3	alias	varchar(100)	
4	item_id	int(11)	foreign key
5	type	varchar(6)	
6	sort_order	int(11)	

**Table name:** portfolio

**Description:** It stores all the data about portfolio created by user.

Sr.N0	Field Name	Data type	Constraint
1	portfolio_id	int (11)	Primary Key
2	portfolio_name	varchar(100)	
3	theme	varchar(100)	

**Table name:** portfolio\_mapping

**Description:** It stores all the data about portfolio and its images.

Sr.N0	Field Name	Data type	Constraint
1	portfolio_mapping_id	int (11)	Primary Key
2	portfolio_id	int(11)	foreign key
3	image_id	int(11)	foreign key
4	type	varchar(100)	
5	category_id	int(11)	foreign key

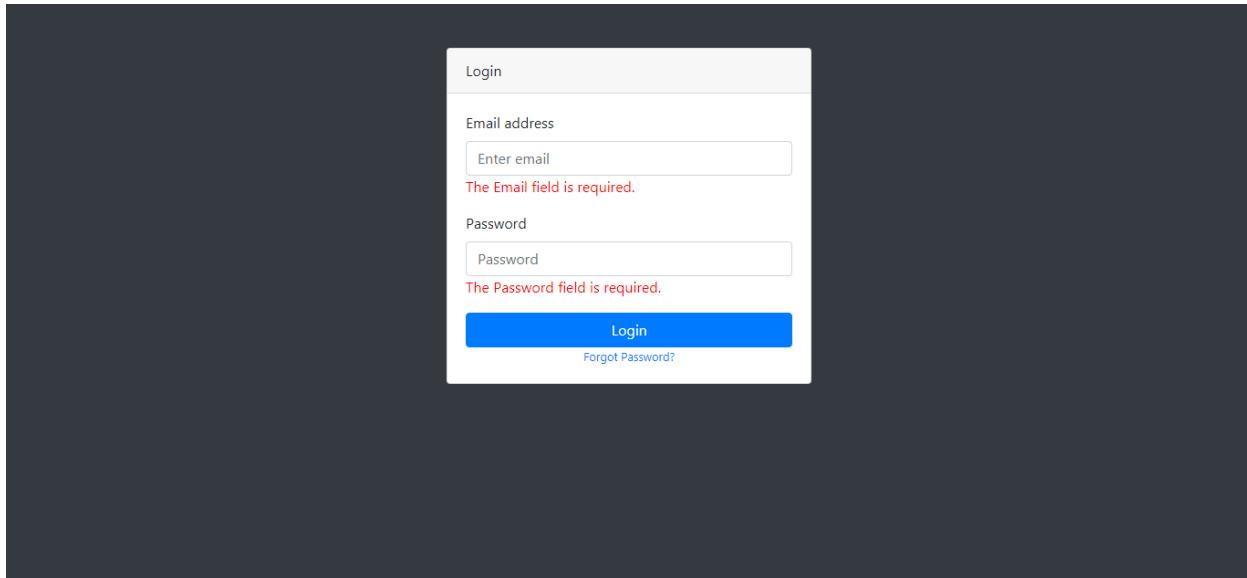
**Table name:** image\_category

**Description:** It stores all the different categories of images included in portfolio.

Sr.N0	Field Name	Data type	Constraint
1	category_id	int (11)	Primary Key
2	category_name	varchar(100)	
3	description	text	

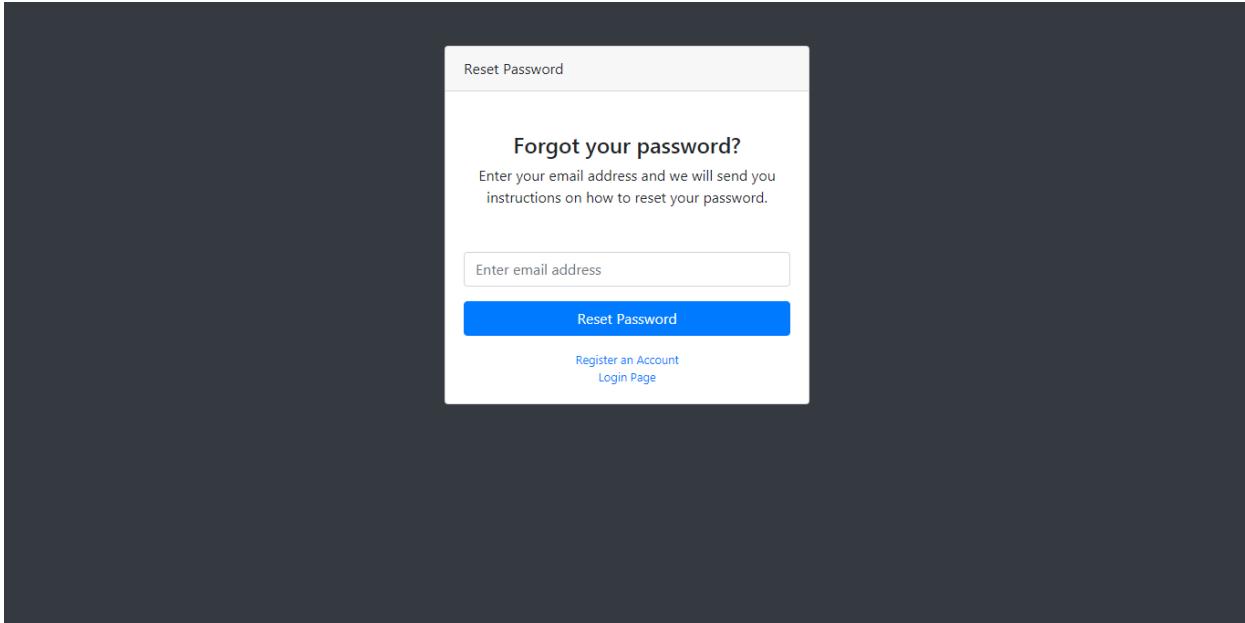
## 6.2 Interface Design

Login User:



This log in page will redirect the home page as per the username entered in the username field. Validation on this page is must. Only authorized users will get the access.

Forgot Password?



If user forgets his password, he can reset it by sending mail via entering user email in given field.

The password will be then sending to the email address of the user.

# Customized Content management system | 2018

Admin Home:

The screenshot shows the Admin Home dashboard. On the left is a dark sidebar with a list of navigation items: Events, Posts, Pages, News, Menus, Photo Album, Category, Image Gallery, Header|Footer, Create User, and a 'Create' link. The main content area is titled 'Dashboard' and features four colored cards: a blue 'Manage menus' card with a grid icon, a yellow 'Photoalbum' card with a film strip icon, a green 'News!' card with a newspaper icon, and a red 'Events!' card with a calendar icon. Below these cards is a section titled 'At a Glance!!' showing statistics: 2 Events, 8 Posts, 3 News, and 4 Pages. To the right is a 'Next steps' section with links: 'Write your first post', 'Manage menus', 'Add an About page', and 'Add New portfolio'. The bottom section is titled 'Comments' and contains several entries from users 'anjali' and 'nikul'. The footer of the main content area says 'Copyright ♦ Your Website 2018'.

Admin home page gives you the brief idea about the page, post, news and events already created and menu for creating new items.

## Create Event:

Dashboard
Logout

Events
Posts
Pages
News
Menus
Photo Album
Category
Image Gallery
Header/Footer
Create User
Settings

Name

Email

anjali

anjali123@gmail.com

Event name

From

sale2018

To

06/02/2018

06/04/2018

From

To

3 PM

5 PM

Location

Address

convention hall

nanpura

City

State

Pincode

Country

surat

gujarat

396890

India

Details

Content Editor

sale!!!!!!

50% discount

body p strong

Event image

Category

Choose File

Product launch

download (1).jpg

Create

Copyright © Your Website 2018

Create page allows to create event by entering all details related to event.

49

Edit event:

Dashboard

Logout

Events

Posts

Pages

News

Menus

Photo Album

Category

Image Gallery

Header/Footer

Create User

Settings

Event name

sale2018

From

06/02/2018

To

06/04/2018

From

12 AM

To

12 AM

Location

convention hall

Address

nanpura

City

surat

State

gujarat

Pincode

396890

Country

India

Details

sale|||

50% off

Category

Product launch

Update

Copyright Your Website 2018

Edit event page allows editing already created event and updating it.

Manage events:

Dashboard

Logout

Events

Posts

Pages

News

Menus

Photo Album

Category

Image Gallery

Header/Footer

Create User

Settings

Logout

News Feed

concert

2017-12-31~2017-11-29

12 AM~12 AM

sale2018

2018-06-02~2018-06-04

3 PM~5 PM

anniversary

2018-12-31~2017-12-31

12 AM~12 AM

Copyright Your Website 2018

Manage event page gives the idea about how many events are created and you can edit or delete event by clicking link edit and delete respectively.

# Customized Content management system | 2018

Create news:

Dashboard

Logout

Events

Posts

Pages

News

Menus

Photo Album

Category

Image Gallery

Name

janki

Email Address

janki@gmail.com

Headline

saletoday

Details

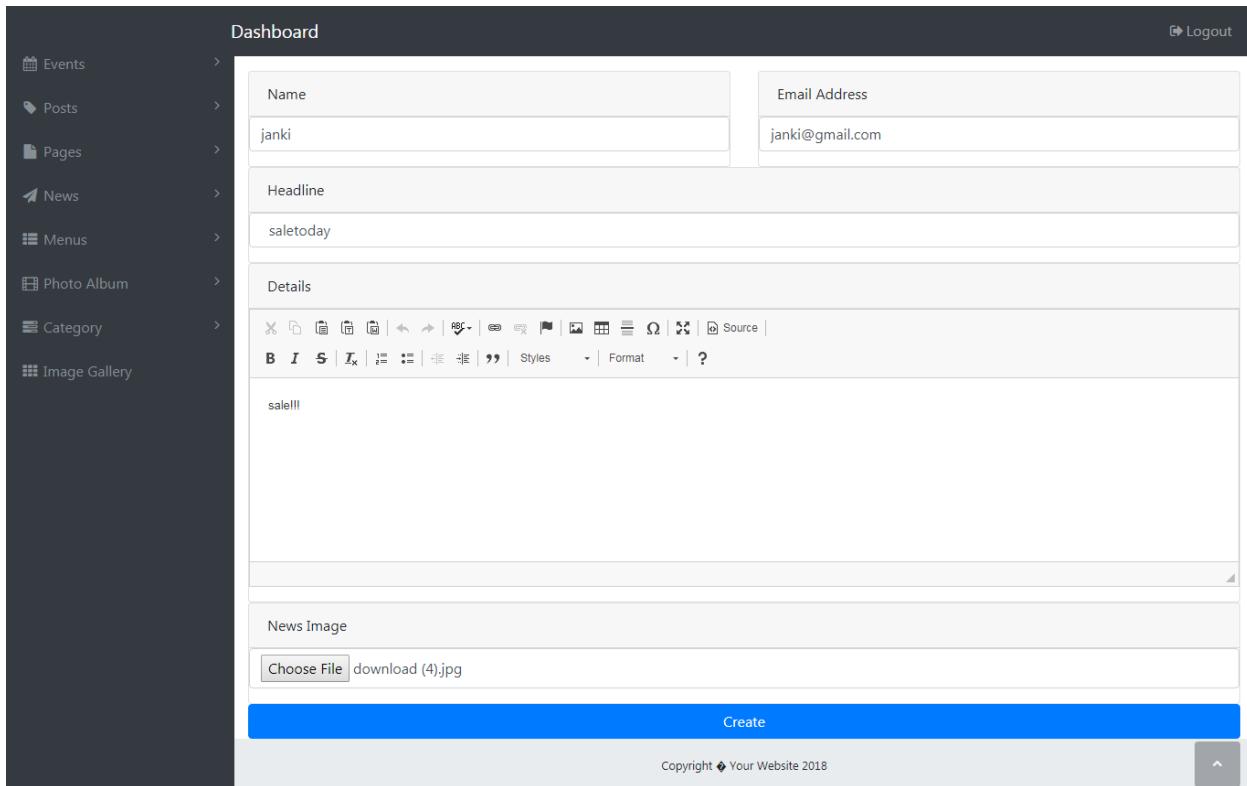
sale!!!

News Image

Choose File download (4).jpg

Create

Copyright ♦ Your Website 2018



Edit news:

Dashboard

Logout

Events

Posts

Pages

News

Menus

Photo Album

Category

Image Gallery

Headline

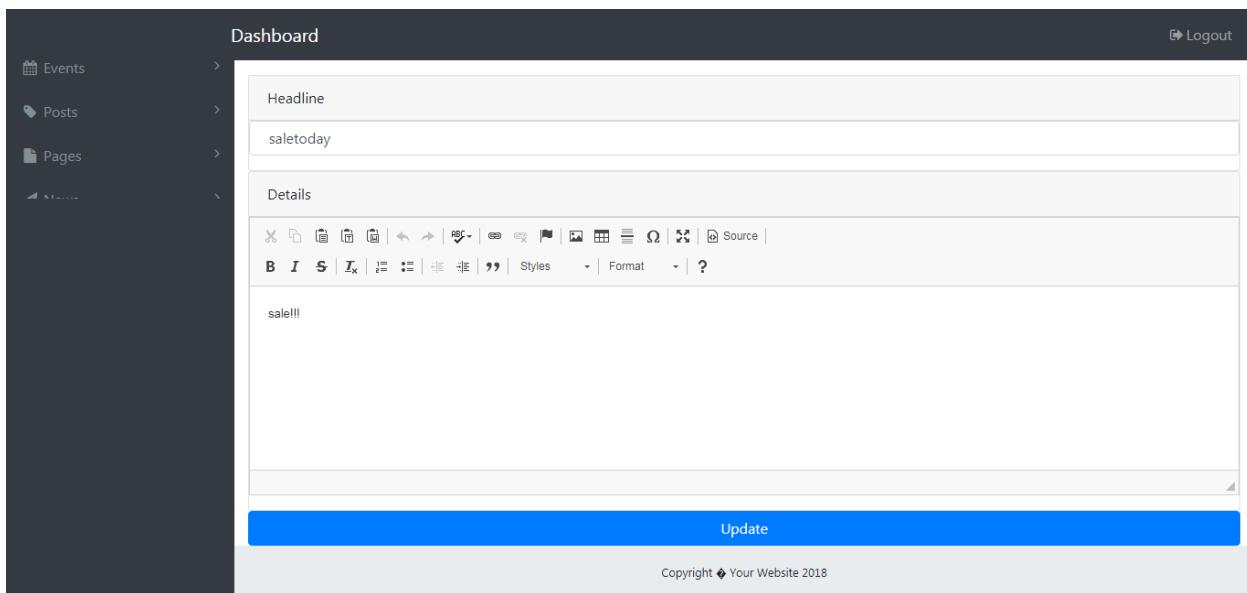
saletoday

Details

sale!!!

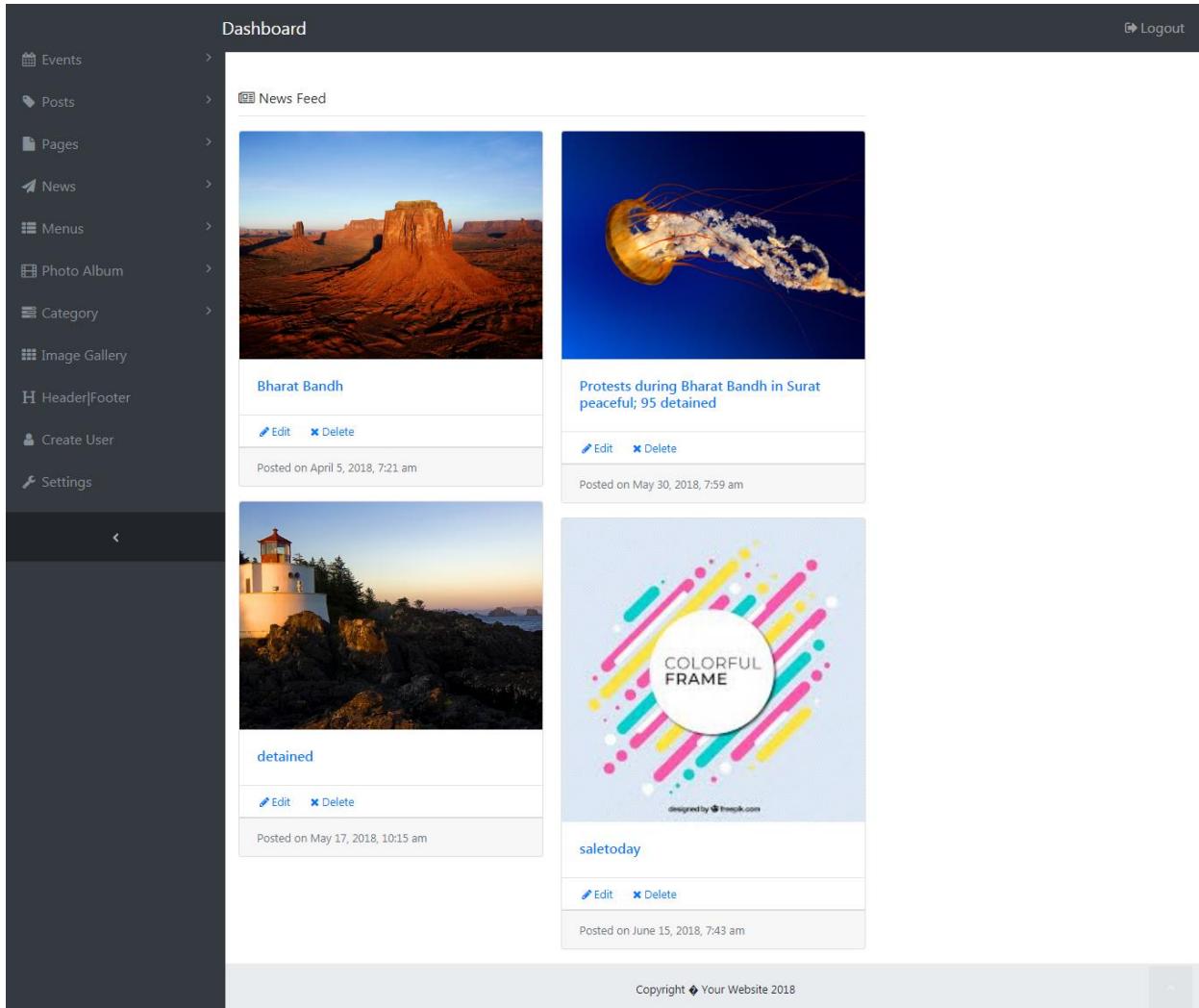
Update

Copyright ♦ Your Website 2018



Create and edit news page allows you to create and edit news.

## Manage news:



The screenshot shows the CMS Dashboard with the 'News Feed' section selected. The left sidebar contains navigation links for Events, Posts, Pages, News, Menus, Photo Album, Category, Image Gallery, Header/Footer, Create User, and Settings. The main content area displays four news items in a grid:

- Bharat Bandh** (Post 1): An image of a red rock formation. Details: 'Bharat Bandh', 'Edit', 'Delete', 'Posted on April 5, 2018, 7:21 am'.
- Protests during Bharat Bandh in Surat peaceful; 95 detained** (Post 2): An image of a jellyfish. Details: 'Edit', 'Delete', 'Posted on May 30, 2018, 7:59 am'.
- detained** (Post 3): An image of a lighthouse. Details: 'Edit', 'Delete', 'Posted on May 17, 2018, 10:15 am'.
- saletoday** (Post 4): An image of a colorful abstract design with the text 'COLORFUL FRAME'. Details: 'Edit', 'Delete', 'Posted on June 15, 2018, 7:43 am'.

At the bottom, a copyright notice reads 'Copyright Your Website 2018'.

Manage news page gives the idea about how many news are created and you can edit or delete news by clicking link edit and delete respectively.

## Create post:

### Step 1:

This page takes input as post title and direct to the page that require the other information about page.

Customized Content management system | 2018

# Dashboard

Events >

Posts >

Pages >

News >

Menus >

Photo Album >

Category >

Image Gallery

Header|Footer

Create User

Settings

 Logout

Title

saletoday

**Next**

## Step 2:

# Customized Content management system | 2018

Edit post:

Dashboard Logout

Events  
Posts  
Pages  
News  
Menus  
Photo Album  
Category  
Image Gallery  
Header/Footer  
Create User  
Settings

Post Title  
sale

Shortcode(Copy this shortcode and paste it into your post or page)  
[id=(10)type=(post)]

Url  
sale

Tags  
#sale

Description

sale!!!!

body p

Visibility  
Public

Keywords  
sale

Status  
Draft

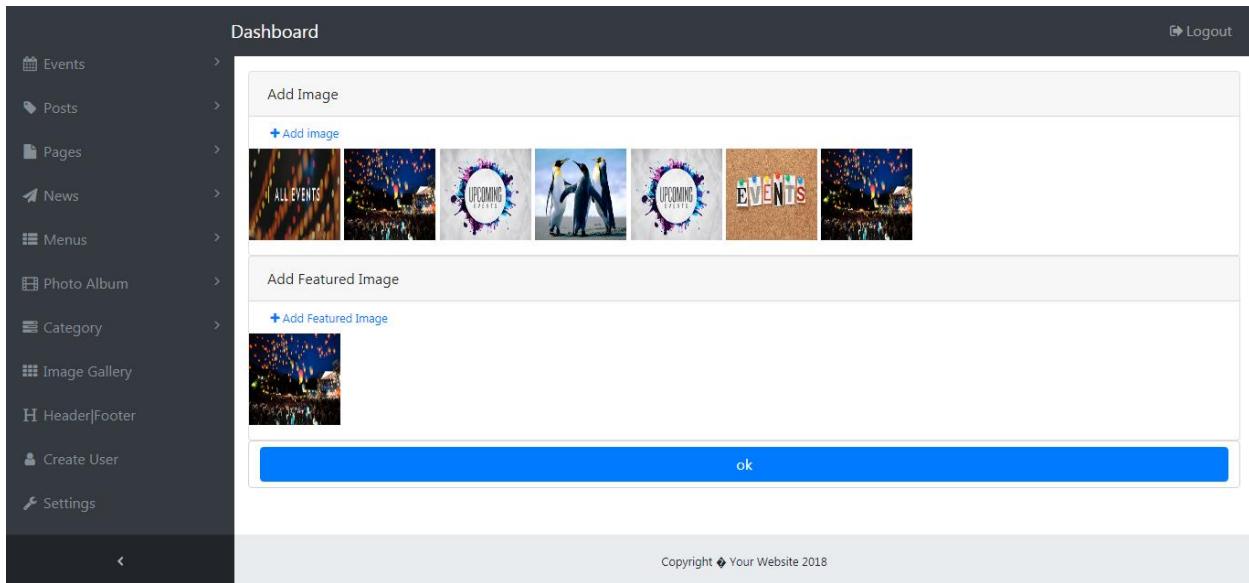
Next

Copyright ♦ Your Website 2018

Add media + Add media 

Select Category  
Opening ceremony + Add New Category

Add media:



You will come to this page when you click the link add media which shows you the two options to add featured image or multiple images.

Add image:

Dashboard

Logout

Events

Posts

Pages

News

Menus

Photo Album

Category

Image Gallery

Header|Footer

Create User

Settings

Select images

Add new image

From gallery

Add featured image:

Dashboard

Logout

Events

Posts

Pages

News

Menus

Photo Album

Category

Image Gallery

Header|Footer

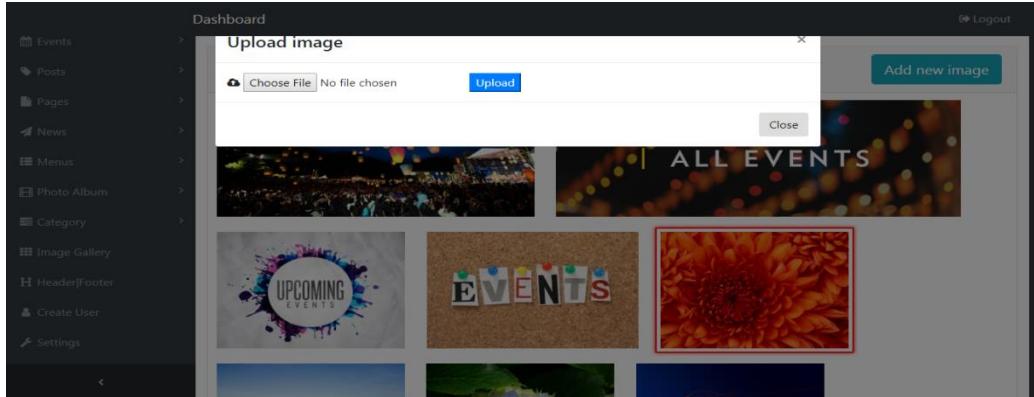
Create User

Settings

select images

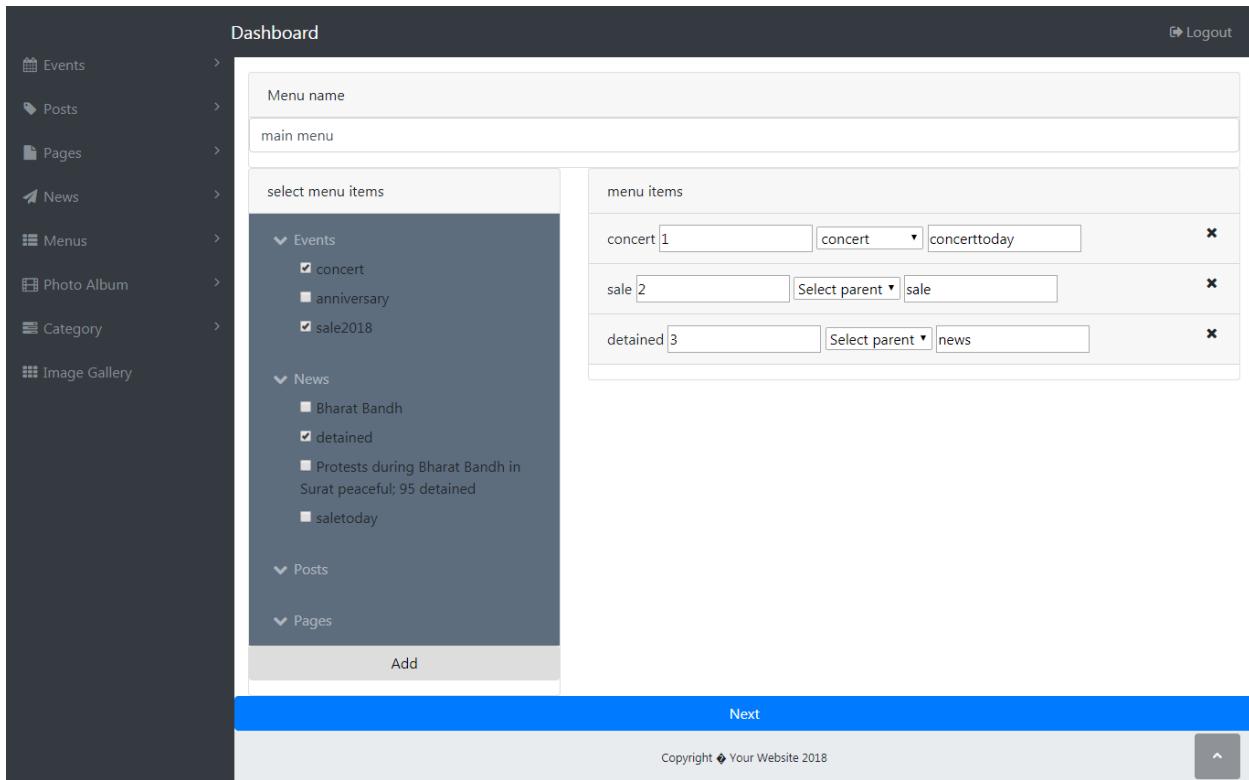
Add new image

Add new image:



You can add new image to gallery by clicking button add new image that will show to dialog to upload new image.

Create menu:



Create and edit menus page allows to create new menu and edit existing menu respectively.

# Customized Content management system | 2018

Edit menu:

Dashboard

Logout

Events

Posts

Pages

News

Menus

Photo Album

Category

Image Gallery

Header/Footer

Create User

Settings

Menu name

main menu

select menu items

Events

News

Posts

Pages

Add

menu items

concert 1 concert concerttoday

sale 2 Select parent sale

detained 3 Select parent news

Next

Copyright Your Website 2018

Manage menu:

Dashboard

Logout

Events

Posts

Pages

News

Menus

Photo Album

Category

Image Gallery

Header/Footer

Create User

Settings

Menu

mymenu [id=(1)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
second [id=(3)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
avc [id=(4)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
new [id=(5)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
one [id=(6)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
newone [id=(7)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
about [id=(8)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
galery [id=(9)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
short [id=(10)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
nikul [id=(12)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>
main menu [id=(13)type=(menu)]	<a href="#">Delete</a>	<a href="#">Edit</a>

Copyright Your Website 2018

Manage menu page shows the list of menus from where you can edit and delete menus.

Add photo album:

Dashboard Logout

Events Posts Pages News Menus Photo Album Category Image Gallery Header/Footer Create User Settings

Select images for photoalbum Add new image

Title

Shortcode(Copy this shortcode and paste it into your post or page)  
[id=(16)type=(photoalbum)]

**Events**

**News**

**Posts**

**From Gallery**

Next

Copyright ♦ Your Website 2018

You can create photo album by adding several images that suits your website.

Edit photo album:

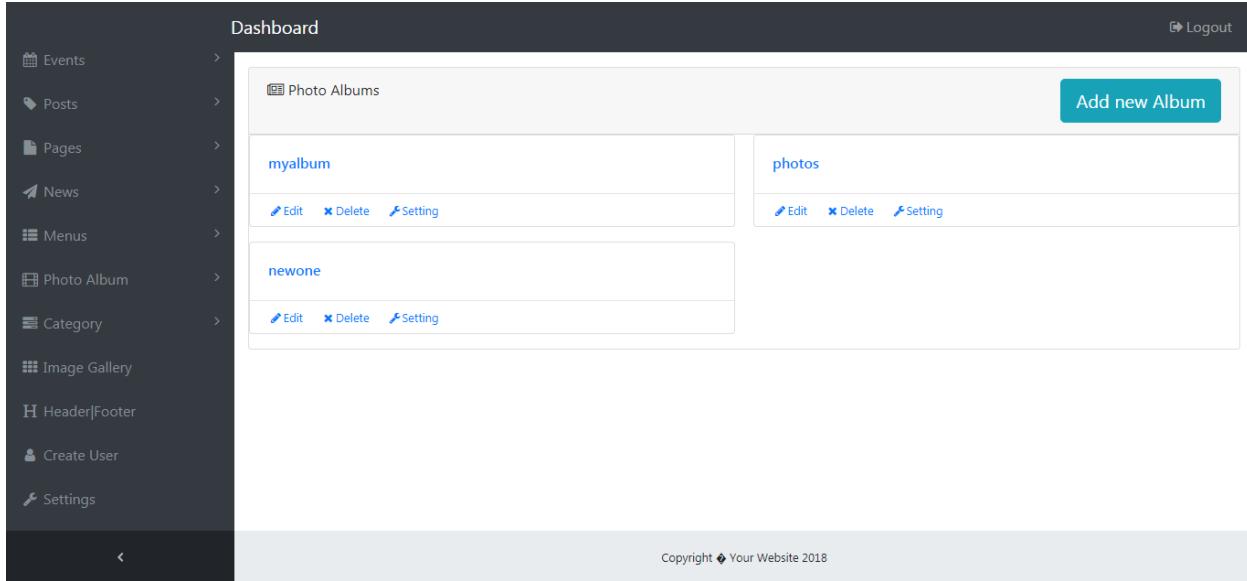
Edit photo album page allows you to edit existing photo album. You can remove already selected photos and can also add new images.

Setting photo album:

You can assign category to images and also select style for photo album that how it displays on website.

# Customized Content management system | 2018

Manage photo album:



Dashboard

Logout

Events

Posts

Pages

News

Menus

Photo Album

Category

Image Gallery

Header/Footer

Create User

Settings

Photo Albums

myalbum

photos

newone

Add new Album

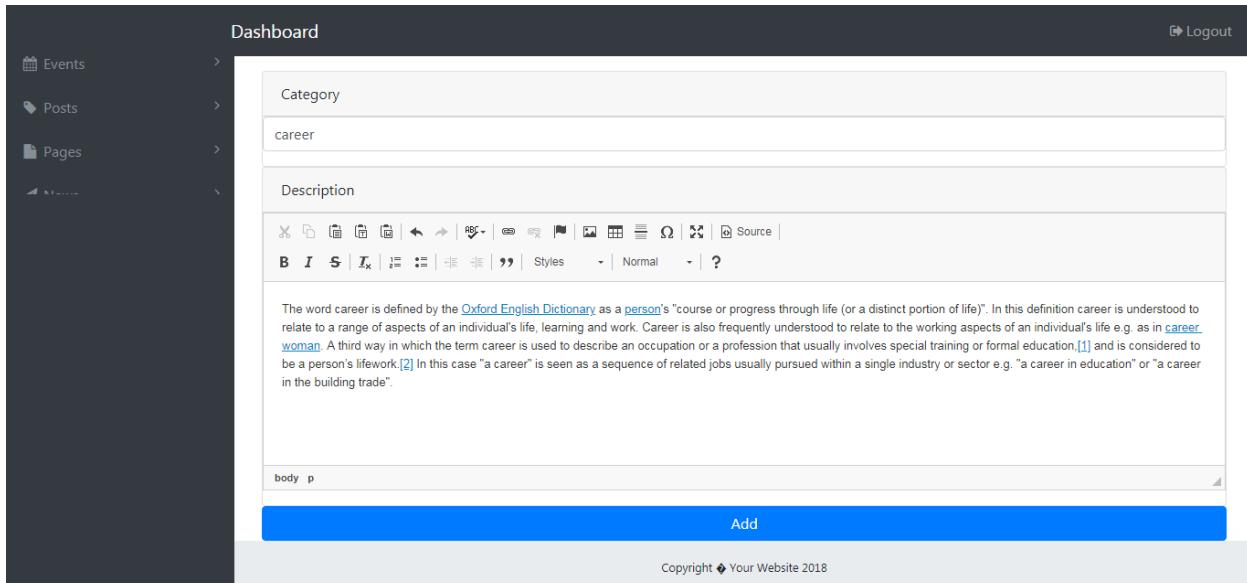
Edit Delete Setting

Edit Delete Setting

Edit Delete Setting

Copyright Your Website 2018

Add image category:



Dashboard

Logout

Events

Posts

Pages

Category

career

Description

The word career is defined by the [Oxford English Dictionary](#) as a person's "course or progress through life (or a distinct portion of life)". In this definition career is understood to relate to a range of aspects of an individual's life, learning and work. Career is also frequently understood to relate to the working aspects of an individual's life e.g. as in [career woman](#). A third way in which the term career is used to describe an occupation or a profession that usually involves special training or formal education.[\[1\]](#) and is considered to be a person's lifework.[\[2\]](#) In this case "a career" is seen as a sequence of related jobs usually pursued within a single industry or sector e.g. "a career in education" or "a career in the building trade".

body p

Add

Copyright Your Website 2018

Create image category allows to create new category for image.

# Customized Content management system | 2018

Edit image category:

Category

career

Description

The word career is defined by the [Oxford English Dictionary](#) as a person's "course or progress through life (or a distinct portion of life)". In this definition career is understood to relate to a range of aspects of an individual's life, learning and work. Career is also frequently understood to relate to the working aspects of an individual's life e.g. as in [career woman](#). A third way in which the term career is used to describe an occupation or a profession that usually involves special training or formal education.[\[1\]](#) and is considered to be a person's lifework.[\[2\]](#) In this case "a career" is seen as a sequence of related jobs usually pursued within a single industry or sector e.g. "a career in education" or "a career in the building trade".

Update

Copyright ♦ Your Website 2018

Manage category:

Category Name	Edit	Delete
news	<a href="#">Edit</a>	<a href="#">Delete</a>
event	<a href="#">Edit</a>	<a href="#">Delete</a>
apps	<a href="#">Edit</a>	<a href="#">Delete</a>

Add new Category

Copyright ♦ Your Website 2018

Manage category page gives you the list of category created from which you can edit and delete anyone.

## Image gallery:

Dashboard Logout

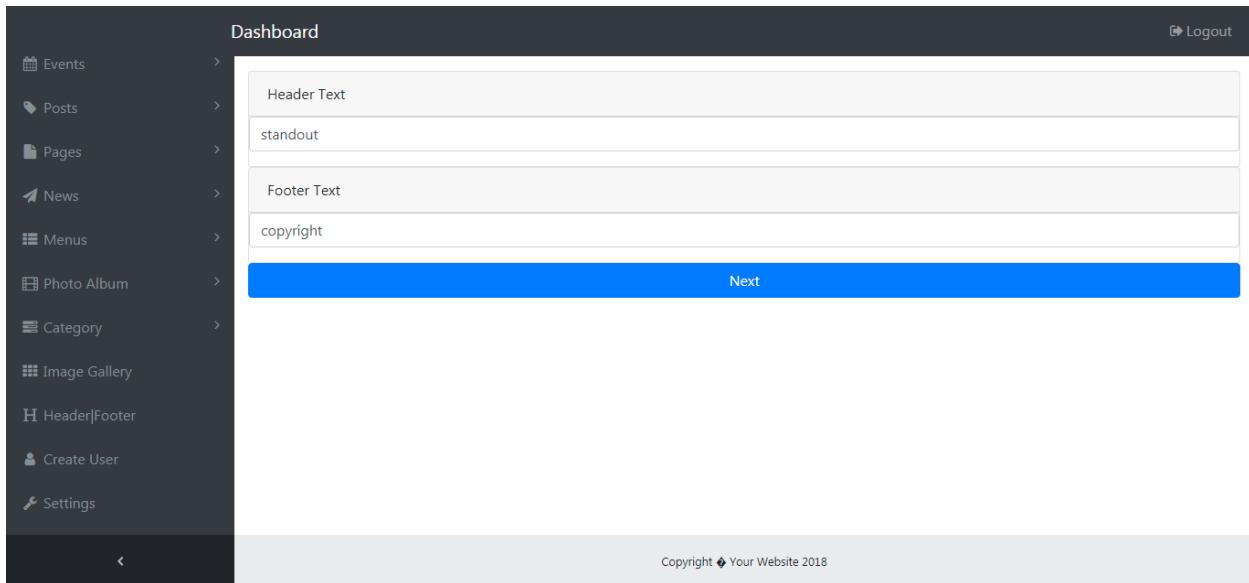
Events  
Posts  
Pages  
News  
Menus  
Photo Album  
Category  
Image Gallery  
Header|Footer  
Create User  
Settings

Images Add new image

Copyright ♦ Your Website 2018

# Customized Content management system | 2018

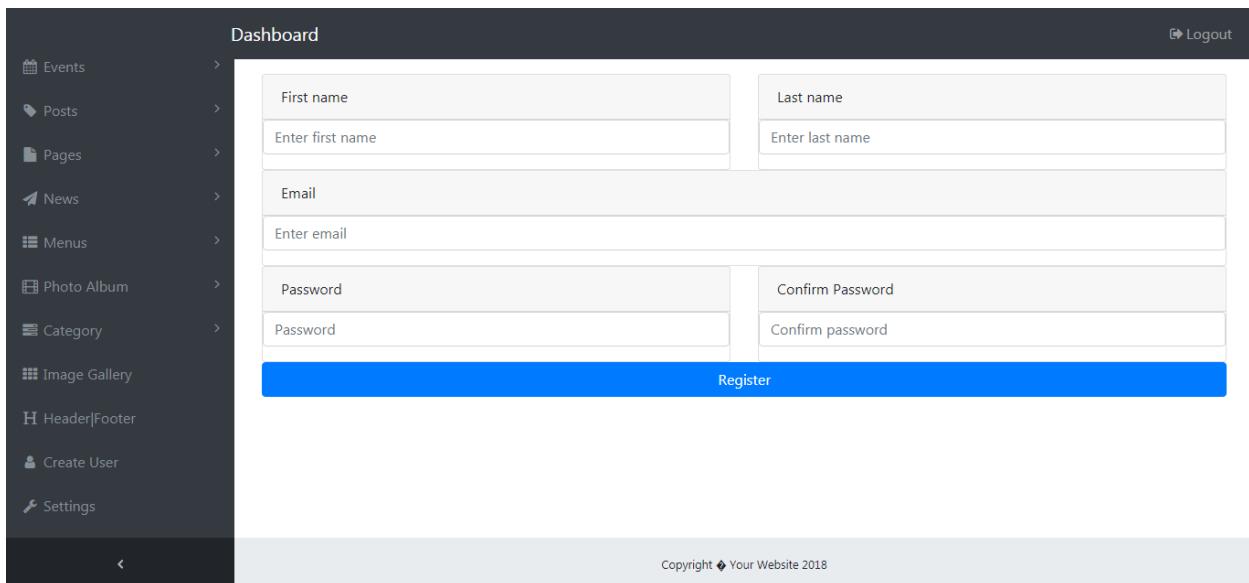
Header and footer:



The screenshot shows the CMS dashboard with a sidebar on the left containing links: Events, Posts, Pages, News, Menus, Photo Album, Category, Image Gallery, Header|Footer, Create User, and Settings. The main content area is titled 'Header Text' and contains the following text blocks: 'standout', 'Footer Text', and 'copyright'. A blue 'Next' button is at the bottom right of this section. The footer of the page displays 'Copyright ♦ Your Website 2018'.

This takes the header and footer text for your website.

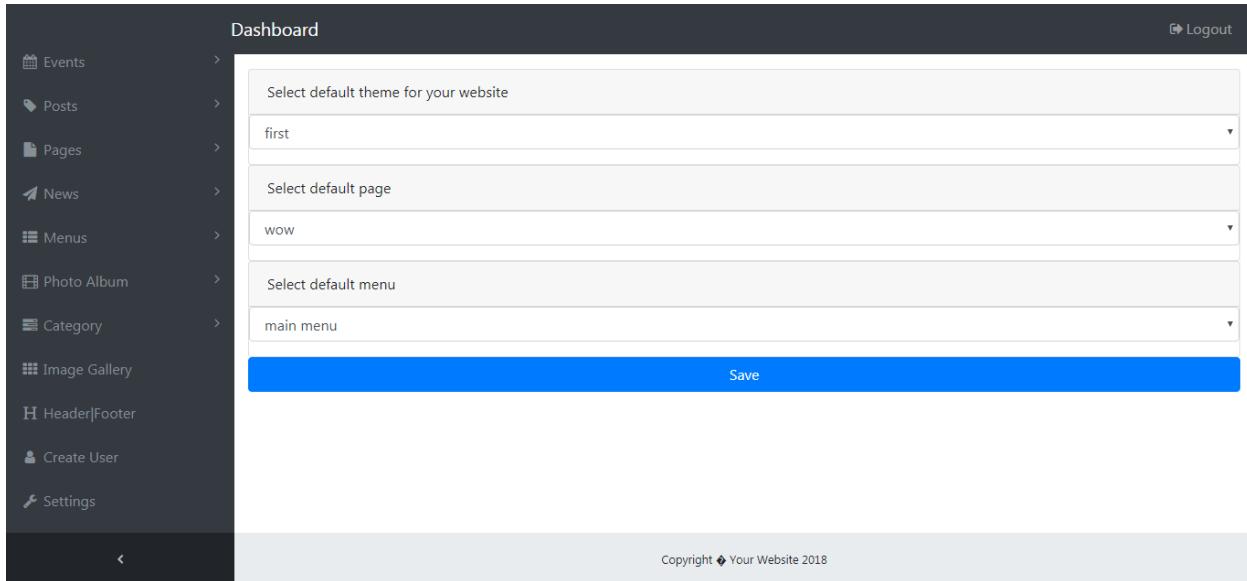
Create user:



The screenshot shows the CMS dashboard with the same sidebar as the previous screenshot. The main content area is a user registration form. It includes fields for 'First name' (with placeholder 'Enter first name'), 'Last name' (with placeholder 'Enter last name'), 'Email' (with placeholder 'Enter email'), 'Password' (with placeholder 'Password'), and 'Confirm Password' (with placeholder 'Confirm password'). A blue 'Register' button is at the bottom right of the form. The footer of the page displays 'Copyright ♦ Your Website 2018'.

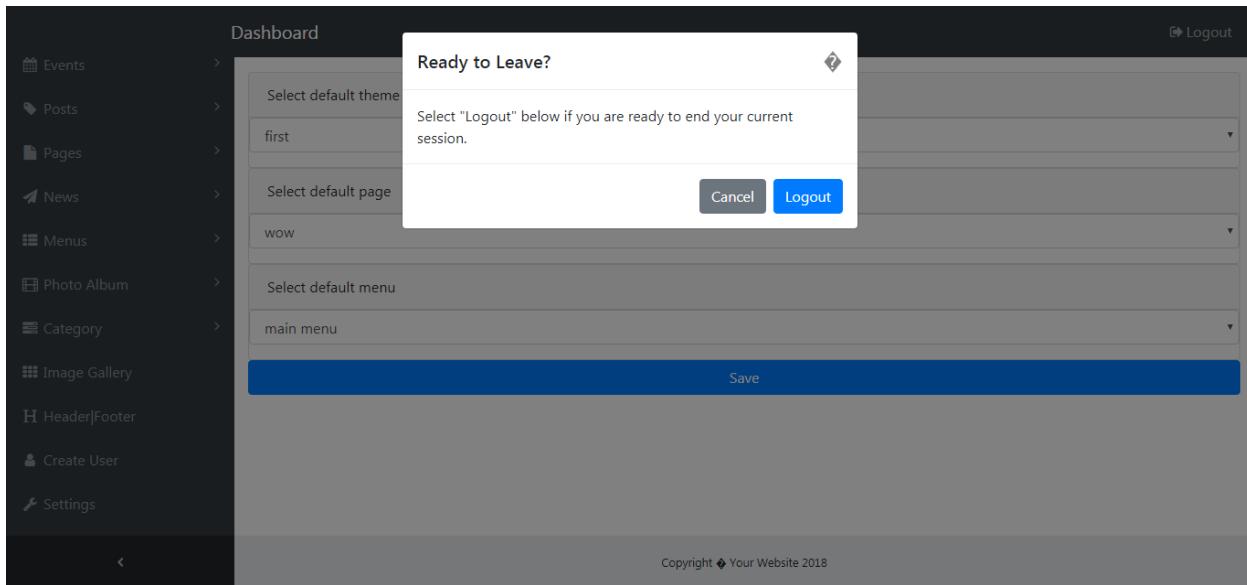
You can create new user to authorize him/her to allow access to CMS.

## Setting:



Setting page allows you to select default theme for website.

## Logout:



By clicking logout button it will redirect you to dialog to confirm your logout and ended the session.

Select first theme:

# Incredible India

RUNFORINDIA ABOUT INDIA DESTINATION STATES ADVENTURE FOOD TAKE A TOUR

ABOUT CAVES



**CAVES**

The Elephanta Caves are located on Elephanta Island (otherwise known as the Island of Gharapuri), which features two hillocks separated by a narrow valley. The rock-cut Elephanta Caves were constructed about the mid-5th to 6th centuries AD. The most important among the caves is the great Cave 1, which measures 39 metres from the front entrance to the back. The 7-metre-high masterpiece "Sadasiva" dominates the entrance to Cave 1. The sculpture represents three aspects of Shiva: the Creator, the Preserver, and the Destroyer, identified, respectively, with Aghora or Bhairava (left half),

Taptapurusha or Mahadeva (central full face), and Vamadeva or Uma (right half). The Elephanta Caves is a designated World Heritage Site. Regular ferries/launches are available from the Gateway of India to Elephanta Caves.

ABOUT MARINA



**MARINA**

Marina Beach happens to be India's longest and world's second longest beach. It is primarily sandy and is located on the eastern side of Chennai, adjoining the Bay of Bengal. The 13 km long Marina Beach forms the city's east coast, from Fort St. George to Mamallapuram and is one of the longest beaches in the world. Numerous statues of famous personalities adorn the roadside along the beach.

CONTACT FORM

Name

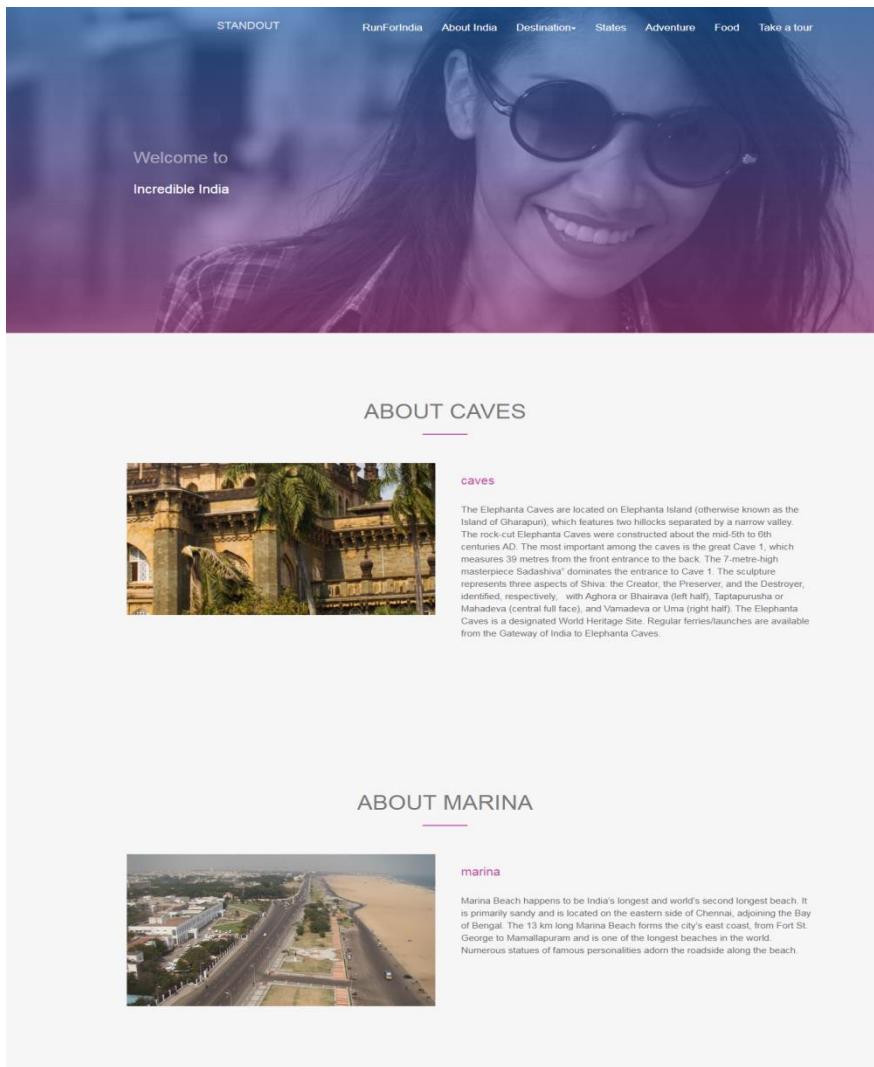
Email Address

Message

Submit

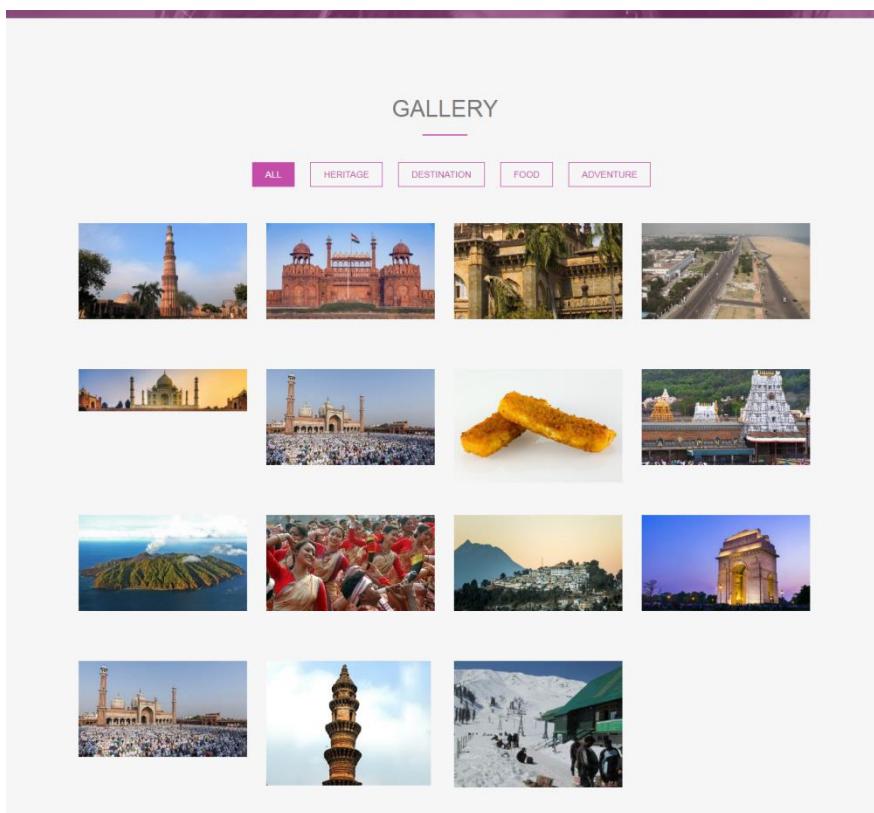
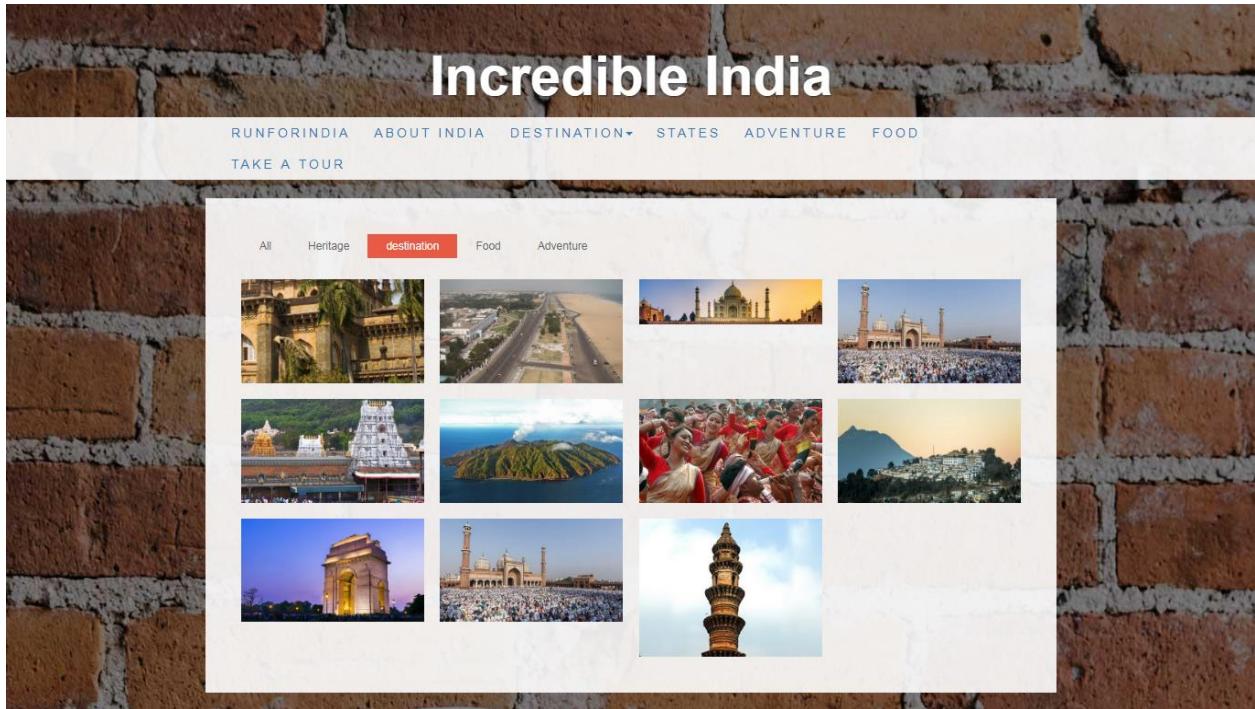
Indian Tourism

## Select Standout theme:



The screenshot displays a website with a dark blue header bar. The header contains the word "STANDOUT" on the left, and a navigation menu with links: RunForIndia, About India, Destination, States, Adventure, Food, and Take a tour. Below the header is a large, vibrant image of a smiling woman wearing sunglasses. Overlaid on the image is the text "Welcome to Incredible India". The main content area has a white background. The first section is titled "ABOUT CAVES" with a sub-section titled "caves". It features a photograph of a large, ornate stone structure, likely the Elephanta Caves, with palm trees in the foreground. The text describes the caves as rock-cut structures from the 5th to 6th centuries AD, mentioning the Great Cave 1 and its various deities. The second section is titled "ABOUT MARINA" with a sub-section titled "marina". It features a photograph of a long, sandy beach with a road and buildings along the shore. The text describes Marina Beach as India's longest and the world's second longest beach, located in Chennai, and mentions its status as a World Heritage Site. The third section is titled "GET IN TOUCH" and contains a form with fields for Name, Email, and Message, along with a "SEND MESSAGE" button. At the bottom of the page is a footer bar with social media icons for Facebook, Twitter, Google+, and LinkedIn, and the text "Indian Tourism".

## Portfolio:



## 7. Testing:

### 7.1 Unit Testing:

#### Login page

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Email	Email Format	Valid	No Error	Success
		Other Text	Invalid	The Email field must contain a valid email address.	Failure
		Null	Invalid	The Email Field Is Required.	Failure
2	Password	Char/Number	Valid	No Error	Success
		less than 6 character	Invalid	The Password field must be at least 6 characters in length.	Failure
		Null	Invalid	The Password Field Is Required.	Failure

#### Forgot Password page

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Email	Email Format	Valid	No Error	Success
		Other Text	Invalid	The Email field must contain a valid email address.	Failure
		Null	Invalid	The Email Field Is Required.	Failure

## Create user page:

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	First Name	Text	Valid	No Error	Success
		Number	Invalid	The First Name field may only contain alphabetical characters.	Failure
		Null	Invalid	The First Name Field Is Required.	Failure
2	Last Name	Text	Valid	No Error	Success
		Number	Invalid	The Last Name field may only contain alphabetical characters.	Failure
		Null	Invalid	The Last Name Field Is Required.	Failure
3	Email	Email Format	Valid	No Error	Success
		Other Text	Invalid	The Email field must contain a valid email address.	Failure
		Null	Invalid	The Email Field Is Required.	Failure
4	Password	Char/Number	Valid	No Error	Success
		less than 6 character	Invalid	The Password field must be at least 6 characters in length.	Failure
		Null	Invalid	The Password Field Is Required.	Failure
5	Confirm Password	Null	Invalid	The Password field does not match.	Failure

## Create/edit Event:

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Name	Text	Valid	No Error	Success
		Number	Invalid	The Name field may only contain alphabetical characters.	Failure
		Null	Invalid	The First Name Field Is Required.	Failure
2	Email	Email Format	Valid	No Error	Success
		Other Text	Invalid	The Email field must contain a valid email address.	Failure
		Null	Invalid	The Email Field Is Required.	Failure
3	From_date	date	Valid	No Error	Success
		Null	Invalid	The From_date Field Is Required.	Failure
4	To_date	date	Valid	No Error	Success
		Null	Invalid	The To_date Field Is Required.	Failure
5	Location	Text	Valid	No Error	Success
		Number	Invalid	The Location field may only contain alphabetical characters.	Failure
		Null	Invalid	The Location Field Is Required.	Failure
6	City	Text	Valid	No Error	Success
		Number	Invalid	The City field may only contain	Failure

				alphabetical characters.	
		Null	Invalid	The City Field Is Required.	Failure
5	State	Text	Valid	No Error	Success
		Number	Invalid	The State field may only contain alphabetical characters.	Failure
		Null	Invalid	The State Field Is Required.	Failure
6	Country	Dropdown Selection	Valid	No Error	Success
		Null	Invalid	The Country Field Is Required.	Failure
7	Details	Text	Valid	No Error	Success
		Null	Valid	No Error	Success
8	Category	Dropdown Selection	Valid	No Error	Success
		Null	Invalid	The Category Field Is Required.	Failure

**Create/edit News:**

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Name	Text	Valid	No Error	Success
		Number	Invalid	The Name field may only contain alphabetical characters.	Failure
		Null	Invalid	The First Name Field Is Required.	Failure
2	Email	Email Format	Valid	No Error	Success
		Other Text	Invalid	The Email field must contain a valid email address.	Failure

		Null	Invalid	The Email Field Is Required.	Failure
3	Headline	Text/number	Valid	No Error	Success
		Null	Invalid	The Headline Field Is Required.	Failure
7	Details	Text	Valid	No Error	Success
		Null	Valid	No Error	Success

### Create/edit Page/Post:

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Title	Text	Valid	No Error	Success
		Number	Invalid	The Title field may only contain alphabetical characters.	Failure
		Null	Invalid	The Title Field Is Required.	Failure
2	Url	Text/number	Valid	No Error	Success
		Other Text	Invalid	The Url field must contain a valid email address.	Failure
		Null	Invalid	The Url Field Is Required.	Failure
3	Tags	#text	Valid	No Error	Success
		Other Text	Invalid	The Tags field must contain a valid email address.	Failure
		Null	Invalid	The Tags Field Is Required.	Failure
4	Category	Dropdown Selection	Valid	No Error	Success
		Null	Invalid	The Category Field Is Required.	Failure

5	Details	Text	Valid	No Error	Success
		Null	Valid	No Error	Success
6	Status	Dropdown Selection	Valid	No Error	Success
		Null	Invalid	The Status Field Is Required.	Failure
7	Keywords	#text	Valid	No Error	Success
		Other Text	Invalid	The Keywords field must contain a valid email address.	Failure
		Null	Invalid	The Keywords Field Is Required.	Failure

### Create/edit Menu:

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Title	Text	Valid	No Error	Success
		Number	Invalid	The Title field may only contain alphabetical characters.	Failure
		Null	Invalid	The Title Field Is Required.	Failure
2	Menu Items	Checkbox Selection	Valid	No Error	Success

### Create/edit Photo album:

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Title	Text	Valid	No Error	Success
		Number	Invalid	The Title field may only contain alphabetical characters.	Failure
		Null	Invalid	The Title Field Is Required.	Failure

## Create/edit Category:

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Title	Text	Valid	No Error	Success
		Number	Invalid	The Title field may only contain alphabetical characters.	Failure
		Null	Invalid	The Title Field Is Required.	Failure
2	Details	Text	Valid	No Error	Success
		Null	Valid	No Error	Success

## Edit Header Footer:

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Header	Text	Valid	No Error	Success
		Null	Invalid	The Header Field Is Required.	Failure
2	Footer	Text	Valid	No Error	Success
		Null	Invalid	The Footer Field Is Required.	Failure

## Edit Setting:

Test Case	Field Item	Input Value	Valid/Invalid	Error message	Success/Failure
1	Layout	Dropdown Selection	Valid	No Error	Success
		Null	Invalid	The Layout Field Is Required.	Failure
2	Page	Dropdown Selection	Valid	No Error	Success
		Null	Invalid	The Page Field Is Required.	Failure
3	Menu	Dropdown Selection	Valid	No Error	Success

## 8. Future Enhancement:

- ✓ Plug in to add extra functionality.
- ✓ Manage multiple websites.
- ✓ Customized header and footer.
- ✓ Add media like mp3, mp4.

## 9. Reference:

### Web sites:

- ✓ <https://www.google.co.in/>
- ✓ <https://www.stackoverflow.com/>
- ✓ <https://www.codeproject.com/>
- ✓ <https://www.w3school.com/>