Project Report: BLOG SITE

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***Abstract*—Blog site project is developed using PHP, CSS, and JavaScript. This project is a complete blogging site for the users where different categories are divided for the users. It contains a homepage from where users can check the latest blogs. The viewer is allowed to comment through their Facebook accounts.**

***Index Terms*—PHP,MYSQL,CSS,JAVASCRIPT**

I. Introduction

A blog is a discussion or informational website published on the World Wide Web consisting of discrete, often informal diary-style text entries (posts). Posts are typically displayed in reverse chronological order, so that the most recent post appears first, at the top of the web page.Many blogs provide commentary on a particular subject or topic, ranging from philosophy, religion, and arts to science, politics, and sports. Others function as more personal online diaries or online brand advertising of a particular individual or company. A typical blog combines text, digital images, and links to other blogs, web pages, and other media related to its topic.The ability of readers to leave publicly viewable comments, and interact with other commenters, is an important contribution to the popularity of many blogs.
Blogging has such a mania that a new blog is being created every second of every seconds of every minute of every hour of every day.

II. LITERATURE REVIEW

Blogging has recently gained considerable interest among all the learners as a new approach to teach . Blogs place a special focus on learners' writing mechanics.Using blogs makes learners' writing more participatory and more focused on everyday language use (Penrod, 2007; Boling, 2008; Higginson, 2009; Stanley, 2013). Research studies reveal that blogs play a considerable role in improving learner reflection, social networking (Ray / Hocutt, 2006; Khourey-Brown, 2005; Efimova de Moor, 2005).

III. FEATURES

1.Admin Panel
2.Post Blogs
3.Blog categories
4.Drafts
5.Editor's choice
6.Social links
7.Admin stats

IV. MODULES

The entire project mainly consists of 2 modules, which are
1.Admin module
2.User module

A. ADMIN MODULE:

Admin has full control of the system.
1.He/she can add blogs,
2.view all blogs,
3.Add and view categories,
4.view published blogs,
5.Add and view web details,
6.social links,
7.Add editors choice and view admin stats.

The other main feature is that it also contains an admin area from where he/she can check latest site updates and keep maintenance mode. While adding new blog the admin has to provide a title, select category, insert tags, content, photos, date, author, and select status as a draft or publish. From the admin panel, he/she can easily customize the entire website. A responsive dashboard is provided in the admin panel for the easy management of the site.

B. USER MODULE:

1.User can Sign-up
2.User can Log in
3.User can add post
4.User can Write Blogs

V. ENTITY RELATIONSHIP DIAGRAM

An Entity–relationship model describes the structure of a database with the help of a diagram, which is known as Entity Relationship Diagram (ER Diagram).An ER diagram shows the relationship among entity sets. An entity set is a group of similar entities and these entities can have attributes.The ER Diagram represents the model of Blogging System Entity.The entity relationship diagram of Blog System shows all the visual instrument of database tables and the relations between Blog Category,Blog type,Technology Blog etc.The main entities of the Blogging System are Blog,Blog

Category,Create Blog,Blog Type,Comment and Technology Blog.

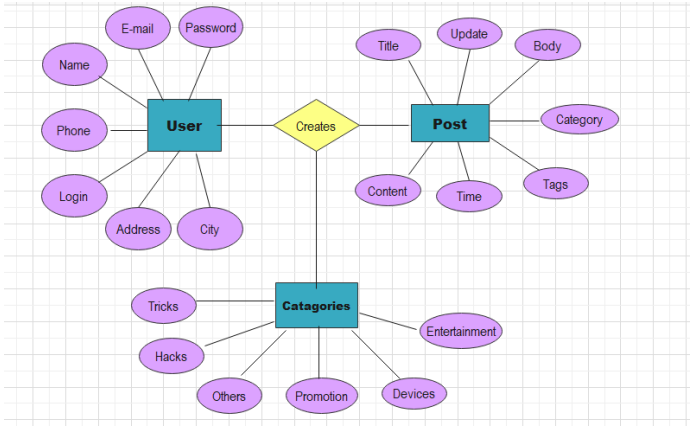

Fig. 1. ER Diagram Of Blog Site

VI. REQUIREMENTS

Language

- Front-end: HTML, CSS and JAVASCRIPT
- Back-end: PHP and JavaScript
- Database: MySQL,

Web Browser: Mozilla, Google Chrome, OPERA

Software: XAMPP Server

VII. PROJECT CODE

Some code which are used in Home page,Contact Form, Registration Form in this project.

```php
<?php require("libs/fetch_data.php");?>
<!DOCTYPE html>
<html lang="zxx">
<head>
    <title><?php getwebname("titles"); echo"|"; gettagline("titles");?></title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta charset="utf-8">
    <link id="browser_favicon" rel="shortcut icon" href="blogadmin/images/<?php geticon("titles"); ?>">
    <meta charset="utf-8" name="description" content="<?php getshortdescription("titles");?>">
    <meta name="keywords" content="<?php getkeywords("titles");?>" />
    <script>
        addEventListener("load", function () {
            setTimeout(hideURLbar, 0);
        }, false);

        function hideURLbar() {
            window.scrollTo(0, 1);
        }
    </script>
    <link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
    <link rel="stylesheet" href="css/jquery.desoslide.css">
    <link href="css/style.css" rel='stylesheet' type='text/css' />
    <link href="css/fontawesome-all.css" rel="stylesheet">
    <link href="//fonts.googleapis.com/css?family=Poppins:100,100i,200,200i,300,300i,400,400i,500,500i,600,600i,700,700i,800"
    rel="stylesheet">
</head>
```

Fig. 2.

```php
<footer>
    <div class="container">

        <!-- footer -->
        <div class="footer-cpy text-center">
            <div class="footer-social">
                <div class="copyrighttop">
                    <ul>
                        <li class="mx-3">
                            <a class="facebook" href="<?php getlinks("links","facebook");?>">
                                <i class="fab fa-facebook-f"></i>
                                <span>Facebook</span>
                            </a>
                        </li>
                        <li>
                            <a class="facebook" href="<?php getlinks("links","twitter");?>">
                                <i class="fab fa-twitter"></i>
                                <span>Twitter</span>
                            </a>
                        </li>
                        <li class="mx-3">
                            <a class="facebook" href="<?php getlinks("links","googleplus");?>">
                                <i class="fab fa-google-plus-g"></i>
                                <span>Google+</span>
                            </a>
                        </li>
                        <li>
                            <a class="facebook" href="<?php getlinks("links","pinterest");?>">
                                <i class="fab fa-pinterest-p"></i>
                                <span>Pinterest</span>
                            </a>
                        </li>
                    </ul>

                </div>
            </div>
            <div class="w3layouts-agile-copyrightbottom">
                <p> E-commerce Project By Afrin

                </p>

            </div>
        </div>
        <!-- //footer -->
    </div>
</footer>
```

Fig. 3.

```php
<?php

// CHECK IF PAGE EXISTS IN PAGE HIT TABLE
function checkPageName($page_name){
    $sql = "SELECT * FROM ".$GLOBALS['hits_table_name']." WHERE page = :page";
    $query = $GLOBALS['db']->prepare($sql);
    $query->execute([':page' => $page_name]);
    if ($query->rowCount() == 0){
        $sql = "INSERT INTO ".$GLOBALS['hits_table_name']." (page, count) VALUES (:page, 0)";
        $query = $GLOBALS['db']->prepare($sql);
        $query->execute([':page' => $page_name]);
    }
}

// UPDATE PAGE HIT COUNT
function updateCounter($page_name){
    checkPageName($page_name);
    $sql = "UPDATE ".$GLOBALS['hits_table_name']." SET count = count+1 WHERE page = :page";
    $query = $GLOBALS['db']->prepare($sql);
    $query->execute([':page' => $page_name]);
}

// UPDATE VISITOR INFO
function updateInfo(){
    $sql = "INSERT INTO ".$GLOBALS['info_table_name']." (ip_address, user_agent) VALUES(:ip_address, :user_agent)";
    $query = $GLOBALS['db']->prepare($sql);
    $query->execute([':ip_address' => $_SERVER["REMOTE_ADDR"], ':user_agent' => $_SERVER["HTTP_USER_AGENT"]]);
}

?>
```

Fig. 4.

```php
<div class="blog_info_left_grid">
    <a href="#">
        <img src="blogadmin/images/<?php echo $row['photo']; ?>" class="img-fluid" alt="image not available" style="width:900px;height:300px">
    </a>
</div>
<div class="blog-info-middle">
    <ul>
        <li>
            <a href="#">
                <i class="far fa-calendar-alt"></i><?php echo $row['date']; ?></a>
            </li>
            <li class="mx-2">
                <a href="#">
                    <i class="far fa-user"></i><?php echo $row['author']; ?></a>
                </li>
                <li>
                    <a href="#">
                        <i class="far fa-tags"></i> <?php echo $row['tags']; ?></a>
                    </li>
                    <li>
                        <a href="#">
                            <i class="far fa-eye fa-x2"></i> <?php echo $roo['count']; ?></a>
                        </li>

                    </ul>
                </div>
            </div>

            <h3>
                <a href="single.html"><?php echo $row['title']; ?></a>
            </h3>
            <!--sharing script-->
            <?php getsharingscript("links"); ?>
            <?php echo $row['content']; ?>
        </div>
```

Fig. 5.

Fig. 6.

Fig. 7.

VIII. PROJECT OUTPUT

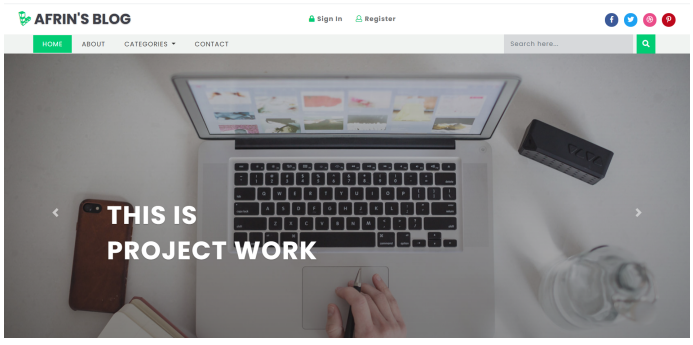

Fig. 8. Home Page

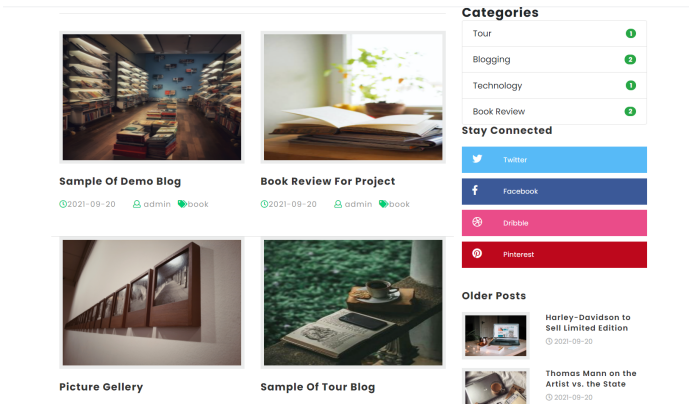

Fig. 9. Home Page

IX. CONCLUSION AND FUTURE WORK

Starting a new blog might seem a little overwhelming at first, but planning some things ahead of time can make the entire process a lot easier. All the important features that are required for a blogging site is set for this project.This blog site in PHP helps a user to post blogs online easily . Design of this project's landing page is pretty simple and responsive so that user won't find it difficult to understand, use and navigate.

In future,I want to add more features in this Project.I will make this site more responsive.Admin can block user,ban negative comments.

ACKNOWLEDGMENT

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