cprime

09-05-25 - PHP Project - PHP Blog Platform

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APPRENTICE - CPRIME

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This document provides a complete guide for setting up and running a simple blog platform built using PHP and MySQL.

Features

- User Registration & Login (Authentication)
- Create, Read, Update, Delete (CRUD) operations for blog posts
- Image upload with posts
- Session management
- Pagination on homepage
- Display date/time of post creation
- Full HTML/CSS styling for UI

Folder Structure
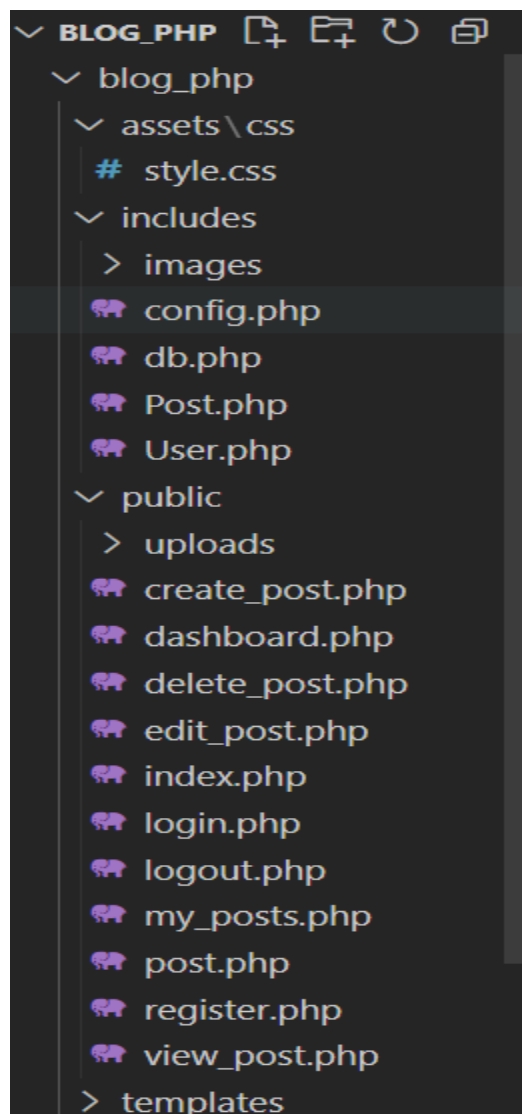
MySQL Database

```sql
-- First, create the database
CREATE DATABASE IF NOT EXISTS blog_php;

-- Use the database
USE blog_php;

-- Create users table
CREATE TABLE IF NOT EXISTS users (
    id INT AUTO_INCREMENT PRIMARY KEY,
    username VARCHAR(50) NOT NULL UNIQUE,
    email VARCHAR(100) NOT NULL UNIQUE,
    password VARCHAR(255) NOT NULL,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);

-- Create posts table
CREATE TABLE IF NOT EXISTS posts (
    id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT NOT NULL,
    title VARCHAR(255) NOT NULL,
    content TEXT NOT NULL,
    image_path VARCHAR(255),
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    updated_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
    FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE
);
```

Step-by-Step Setup

1. **Install XAMPP or any LAMP stack**

2. **Place the `blog_php/` folder in `htdocs` directory**

3. **Import the above SQL script into phpMyAdmin**

4. **Start Apache and MySQL via XAMPP Control Panel**

5. Visit `http://localhost/blog_php/public/index.php` in your browser

Code:

includes/config.php

```php
<?php
// Database configuration
define('DB_HOST', 'localhost');
define('DB_USER', 'root');
define('DB_PASS', '24102003root@');
define('DB_NAME', 'blog_php');

// Application configuration
define('SITE_NAME', 'My Blog');
define('UPLOAD_PATH', $_SERVER['DOCUMENT_ROOT'] .
'/blog_php/public/uploads/');
define('ITEMS_PER_PAGE', 5);

// Start session if not already started
if (session_status() === PHP_SESSION_NONE) {
    session_start();
}

// Database connection
try {
    $pdo = new PDO(
        "mysql:host=" . DB_HOST . ";dbname=" . DB_NAME,
        DB_USER,
        DB_PASS,
        [
            PDO::ATTR_ERRMODE => PDO::ERRMODE_EXCEPTION,
            PDO::ATTR_DEFAULT_FETCH_MODE => PDO::FETCH_ASSOC,
            PDO::ATTR_EMULATE_PREPARES => false
        ]
    );
} catch (PDOException $e) {
    error_log("Database connection failed: " . $e->getMessage());
    die("Connection failed: " . $e->getMessage());
```

```php
}

// Helper functions
function redirect($path)
{
    header("Location: $path");
    exit();
}

function isLoggedIn()
{
    return isset($_SESSION['user_id']);
}

function sanitize($input)
{
    return htmlspecialchars(trim($input), ENT_QUOTES, 'UTF-8');
}
```

includes/db.php

```php
<?php
require_once 'config.php';

// Connect to the database
$conn = new mysqli(DB_HOST, DB_USER, DB_PASS, DB_NAME);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
```

includes/post.php

```php
<?php
class Post
{
    private $pdo;

    public function __construct($pdo)
```

```php
    {
        $this->pdo = $pdo;
    }

    public function create($userId, $title, $content, $imagePath = null)
    {
        try {
            $stmt = $this->pdo->prepare("INSERT INTO posts (user_id,
title, content, image_path) VALUES (?, ?, ?, ?)");
            return $stmt->execute([$userId, $title, $content,
$imagePath]);
        } catch (PDOException $e) {
            return false;
        }
    }

    public function update($postId, $userId, $title, $content, $imagePath
= null)
    {
        try {
            $sql = "UPDATE posts SET title = ?, content = ?";
            $params = [$title, $content];

            if ($imagePath !== null) {
                $sql .= ", image_path = ?";
                $params[] = $imagePath;
            }

            $sql .= " WHERE id = ? AND user_id = ?";
            $params[] = $postId;
            $params[] = $userId;

            $stmt = $this->pdo->prepare($sql);
            return $stmt->execute($params);
        } catch (PDOException $e) {
            return false;
        }
    }

    public function delete($postId, $userId)
```

```php
    {
        try {
            $stmt = $this->pdo->prepare("DELETE FROM posts WHERE id = ?
AND user_id = ?");
            return $stmt->execute([$postId, $userId]);
        } catch (PDOException $e) {
            return false;
        }
    }

    public function getById($postId)
    {
        try {
            $stmt = $this->pdo->prepare("
                SELECT p.*, u.username
                FROM posts p
                JOIN users u ON p.user_id = u.id
                WHERE p.id = ?
            ");
            $stmt->execute([$postId]);
            return $stmt->fetch();
        } catch (PDOException $e) {
            return false;
        }
    }

    public function getAllPaginated($page = 1, $perPage = ITEMS_PER_PAGE)
    {
        try {
            $offset = ($page - 1) * $perPage;

            // Get total count with error checking
            $countStmt = $this->pdo->query("SELECT COUNT(*) FROM posts");
            if ($countStmt === false) {
                error_log("Count query failed");
                return ['posts' => [], 'total' => 0, 'pages' => 0];
            }
            $totalPosts = $countStmt->fetchColumn();
            error_log("Total posts found: " . $totalPosts);
```

```php
            // Get posts with error checking
            $query = "
                SELECT p.*, u.username
                FROM posts p
                JOIN users u ON p.user_id = u.id
                ORDER BY p.created_at DESC
                LIMIT ? OFFSET ?
            ";
            $stmt = $this->pdo->prepare($query);
            if ($stmt === false) {
                error_log("Prepare statement failed");
                return ['posts' => [], 'total' => 0, 'pages' => 0];
            }

            if (!$stmt->execute([$perPage, $offset])) {
                error_log("Execute failed: " . implode(", ",
$stmt->errorInfo()));
                return ['posts' => [], 'total' => 0, 'pages' => 0];
            }

            $posts = $stmt->fetchAll(PDO::FETCH_ASSOC);
            error_log("Posts fetched: " . count($posts));
            error_log("Page: " . $page . ", Per page: " . $perPage . ",
Offset: " . $offset);

            return [
                'posts' => $posts,
                'total' => $totalPosts,
                'pages' => ceil($totalPosts / $perPage)
            ];
        } catch (PDOException $e) {
            error_log("Database error in getAllPaginated: " .
$e->getMessage());
            return ['posts' => [], 'total' => 0, 'pages' => 0];
        }
    }

    public function getUserPosts($userId)
    {
        try {
```

```
        $stmt = $this->pdo->prepare("
            SELECT p.*, u.username
            FROM posts p
            JOIN users u ON p.user_id = u.id
            WHERE p.user_id = ?
            ORDER BY p.created_at DESC
        ");
        $stmt->execute([$userId]);
        return $stmt->fetchAll();
    } catch (PDOException $e) {
        return false;
    }
  }
}
```

includes/user.php

```
<?php
class User
{
    private $pdo;

    public function __construct($pdo)
    {
        $this->pdo = $pdo;
    }

    public function register($username, $email, $password)
    {
        $hashedPassword = password_hash($password, PASSWORD_DEFAULT);

        try {
            $stmt = $this->pdo->prepare("INSERT INTO users (username,
email, password) VALUES (?, ?, ?)");
            return $stmt->execute([$username, $email, $hashedPassword]);
        } catch (PDOException $e) {
            return false;
        }
    }
```

```php
    public function login($email, $password)
    {
        try {
            $stmt = $this->pdo->prepare("SELECT * FROM users WHERE email =
?");
            $stmt->execute([$email]);
            $user = $stmt->fetch();

            if ($user && password_verify($password, $user['password'])) {
                $_SESSION['user_id'] = $user['id'];
                $_SESSION['username'] = $user['username'];
                return true;
            }
            return false;
        } catch (PDOException $e) {
            return false;
        }
    }

    public function logout()
    {
        session_destroy();
        session_start();
    }

    public function getUserById($id)
    {
        try {
            $stmt = $this->pdo->prepare("SELECT id, username, email,
created_at FROM users WHERE id = ?");
            $stmt->execute([$id]);
            return $stmt->fetch();
        } catch (PDOException $e) {
            return false;
        }
    }
}
```

public/register.php

```php
<?php
require_once '../includes/config.php';
require_once '../includes/User.php';

$error = '';
$success = '';

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $username = trim($_POST['username'] ?? '');
    $email = trim($_POST['email'] ?? '');
    $password = $_POST['password'] ?? '';
    $confirm_password = $_POST['confirm_password'] ?? '';

    if (empty($username) || empty($email) || empty($password) ||
empty($confirm_password)) {
        $error = 'All fields are required.';
    } elseif ($password !== $confirm_password) {
        $error = 'Passwords do not match.';
    } elseif (strlen($password) < 6) {
        $error = 'Password must be at least 6 characters long.';
    } elseif (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
        $error = 'Invalid email format.';
    } else {
        $user = new User($pdo);
        if ($user->register($username, $email, $password)) {
            $success = 'Registration successful! You can now login.';
        } else {
            $error = 'Username or email already exists.';
        }
    }
}
?>


<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Register - <?php echo SITE_NAME; ?></title>
```

```php
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.
css" rel="stylesheet">
</head>

<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-4">
        <div class="container">
            <a class="navbar-brand" href="index.php"><?php echo SITE_NAME;
?></a>
        </div>
    </nav>

    <div class="container">
        <div class="row justify-content-center">
            <div class="col-md-6">
                <div class="card">
                    <div class="card-header">
                        <h2 class="text-center mb-0">Register</h2>
                    </div>
                    <div class="card-body">
                        <?php if ($error): ?>
                            <div class="alert alert-danger"><?php echo
$error; ?></div>
                        <?php endif; ?>
                        <?php if ($success): ?>
                            <div class="alert alert-success"><?php echo
$success; ?></div>
                        <?php endif; ?>

                        <form method="POST" action="">
                            <div class="mb-3">
                                <label for="username"
class="form-label">Username</label>
                                <input type="text" class="form-control"
id="username" name="username" required>
                            </div>
                            <div class="mb-3">
                                <label for="email"
class="form-label">Email</label>
```

```html
                                        <input type="email" class="form-control"
id="email" name="email" required>
                                    </div>
                                    <div class="mb-3">
                                        <label for="password"
class="form-label">Password</label>
                                        <input type="password"
class="form-control" id="password" name="password" required>
                                    </div>
                                    <div class="mb-3">
                                        <label for="confirm_password"
class="form-label">Confirm Password</label>
                                        <input type="password"
class="form-control" id="confirm_password" name="confirm_password"
required>
                                    </div>
                                    <div class="d-grid">
                                        <button type="submit" class="btn
btn-primary">Register</button>
                                    </div>
                                </form>
                                <div class="text-center mt-3">
                                    Already have an account? <a
href="login.php">Login here</a>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>

                <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle
.min.js"></script>
</body>

</html>
```

public/login.php

```php
<?php
require_once '../includes/config.php';
require_once '../includes/User.php';

$error = '';

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $email = trim($_POST['email'] ?? '');
    $password = $_POST['password'] ?? '';

    if (empty($email) || empty($password)) {
        $error = 'Both email and password are required.';
    } else {
        $user = new User($pdo);
        if ($user->login($email, $password)) {
            redirect('index.php');
        } else {
            $error = 'Invalid email or password.';
        }
    }
}
?>


<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login - <?php echo SITE_NAME; ?></title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.
css" rel="stylesheet">
</head>

<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-4">
        <div class="container">
            <a class="navbar-brand" href="index.php"><?php echo SITE_NAME;
?></a>
```

```php
            </div>
    </nav>


    <div class="container">
        <div class="row justify-content-center">
            <div class="col-md-6">
                <div class="card">
                    <div class="card-header">
                        <h2 class="text-center mb-0">Login</h2>
                    </div>
                    <div class="card-body">
                        <?php if ($error): ?>
                            <div class="alert alert-danger"><?php echo
$error; ?></div>
                        <?php endif; ?>

                        <form method="POST" action="">
                            <div class="mb-3">
                                <label for="email"
class="form-label">Email</label>
                                <input type="email" class="form-control"
id="email" name="email" required>
                            </div>
                            <div class="mb-3">
                                <label for="password"
class="form-label">Password</label>
                                <input type="password"
class="form-control" id="password" name="password" required>
                            </div>
                            <div class="d-grid">
                                <button type="submit" class="btn
btn-primary">Login</button>
                            </div>
                        </form>
                        <div class="text-center mt-3">
                            Don't have an account? <a
href="register.php">Register here</a>
                        </div>
                    </div>
                </div>
            </div>
```

```
            </div>
        </div>
    </div>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle
.min.js"></script>
</body>

</html>
```

public/logout.php

```php
<?php
require_once '../includes/config.php';
require_once '../includes/User.php';

$user = new User($pdo);
$user->logout();
redirect('login.php');
```

public/create_post.php

```php
// create_post.php
<?php
require_once '../includes/config.php';
require_once '../includes/Post.php';

if (!isLoggedIn()) {
    redirect('login.php');
}

$error = '';
$success = '';

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $title = trim($_POST['title'] ?? '');
    $content = trim($_POST['content'] ?? '');
    $image = $_FILES['image'] ?? null;

    if (empty($title) || empty($content)) {
```

```php
        $error = 'Title and content are required.';
    } else {
        $imagePath = null;

        if ($image && $image['error'] === UPLOAD_ERR_OK) {
            $allowedTypes = ['image/jpeg', 'image/png', 'image/gif'];
            $maxSize = 5 * 1024 * 1024; // 5MB

            if (!in_array($image['type'], $allowedTypes)) {
                $error = 'Only JPG, PNG and GIF images are allowed.';
            } elseif ($image['size'] > $maxSize) {
                $error = 'Image size should be less than 5MB.';
            } else {
                $extension = pathinfo($image['name'], PATHINFO_EXTENSION);
                $filename = uniqid() . '.' . $extension;

                if (!is_dir('uploads')) {
                    mkdir('uploads', 0777, true);
                }

                $uploadPath = 'uploads/' . $filename;

                if (move_uploaded_file($image['tmp_name'], $uploadPath)) {
                    $imagePath = $uploadPath;
                } else {
                    $error = 'Failed to upload image.';
                }
            }
        }

        if (empty($error)) {
            $post = new Post($pdo);
            if ($post->create($_SESSION['user_id'], $title, $content,
$imagePath)) {
                $success = 'Post created successfully!';
            } else {
                $error = 'Failed to create post.';
            }
        }
    }
```

```php
}
?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Create Post - <?php echo SITE_NAME; ?></title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.
css" rel="stylesheet">
</head>

<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-4">
        <div class="container">
            <a class="navbar-brand" href="index.php"><?php echo SITE_NAME;
?></a>
            <button class="navbar-toggler" type="button"
data-bs-toggle="collapse" data-bs-target="#navbarNav">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav ms-auto">
                    <li class="nav-item">
                        <a class="nav-link" href="index.php">Home</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="my_posts.php">My
Posts</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="logout.php">Logout</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>
```

```php
    <div class="container">
        <div class="row justify-content-center">
            <div class="col-md-8">
                <div class="card">
                    <div class="card-header">
                        <h2 class="text-center mb-0">Create New Post</h2>
                    </div>
                    <div class="card-body">
                        <?php if ($error): ?>
                            <div class="alert alert-danger"><?php echo
$error; ?></div>
                        <?php endif; ?>
                        <?php if ($success): ?>
                            <div class="alert alert-success"><?php echo
$success; ?></div>
                        <?php endif; ?>

                        <form method="POST" action=""
enctype="multipart/form-data">
                            <div class="mb-3">
                                <label for="title"
class="form-label">Title</label>
                                <input type="text" class="form-control"
id="title" name="title" required>
                            </div>
                            <div class="mb-3">
                                <label for="content"
class="form-label">Content</label>
                                <textarea class="form-control"
id="content" name="content" rows="10" required></textarea>
                            </div>
                            <div class="mb-3">
                                <label for="image"
class="form-label">Image (optional)</label>
                                <input type="file" class="form-control"
id="image" name="image" accept="image/*">
                                <div class="form-text">Max file size: 5MB.
Allowed types: JPG, PNG, GIF</div>
                            </div>
```

```html
                              <div class="d-grid">
                                  <button type="submit" class="btn
btn-primary">Create Post</button>
                              </div>
                          </form>
                      </div>
                  </div>
              </div>
          </div>

          <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle
.min.js"></script>
</body>

</html>
```

public/edit_post.php

```php
<?php
require_once '../includes/config.php';
require_once '../includes/Post.php';

if (!isLoggedIn()) {
    redirect('login.php');
}

if (!isset($_GET['id'])) {
    redirect('index.php');
}

$post = new Post($pdo);
$postData = $post->getById($_GET['id']);

if (!$postData || $postData['user_id'] != $_SESSION['user_id']) {
    redirect('index.php');
}

$error = '';
```

```php
$success = '';

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $title = trim($_POST['title'] ?? '');
    $content = trim($_POST['content'] ?? '');
    $image = $_FILES['image'] ?? null;

    if (empty($title) || empty($content)) {
        $error = 'Title and content are required.';
    } else {
        $imagePath = null;

        if ($image && $image['error'] === UPLOAD_ERR_OK) {
            $allowedTypes = ['image/jpeg', 'image/png', 'image/gif'];
            $maxSize = 5 * 1024 * 1024; // 5MB

            if (!in_array($image['type'], $allowedTypes)) {
                $error = 'Only JPG, PNG and GIF images are allowed.';
            } elseif ($image['size'] > $maxSize) {
                $error = 'Image size should be less than 5MB.';
            } else {
                $extension = pathinfo($image['name'], PATHINFO_EXTENSION);
                $filename = uniqid() . '.' . $extension;
                $uploadPath = UPLOAD_PATH . $filename;

                if (!is_dir(UPLOAD_PATH)) {
                    mkdir(UPLOAD_PATH, 0777, true);
                }

                if (move_uploaded_file($image['tmp_name'], $uploadPath)) {
                    $imagePath = $uploadPath;

                    // Delete old image if exists
                    if ($postData['image_path'] &&
file_exists($postData['image_path'])) {
                        unlink($postData['image_path']);
                    }
                } else {
                    $error = 'Failed to upload image.';
                }
```

```php
            }
        }

        if (empty($error)) {
            if ($post->update($postData['id'], $_SESSION['user_id'],
$title, $content, $imagePath)) {
                $success = 'Post updated successfully!';
                $postData = $post->getById($postData['id']); // Refresh
post data
            } else {
                $error = 'Failed to update post.';
            }
        }
    }
}
?>
```

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Edit Post - <?php echo SITE_NAME; ?></title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.
css" rel="stylesheet">
</head>

<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-4">
        <div class="container">
            <a class="navbar-brand" href="index.php"><?php echo SITE_NAME;
?></a>
            <button class="navbar-toggler" type="button"
data-bs-toggle="collapse" data-bs-target="#navbarNav">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav ms-auto">
```

```php
                    <li class="nav-item">
                        <a class="nav-link" href="index.php">Home</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="my_posts.php">My
Posts</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="logout.php">Logout</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>

    <div class="container">
        <div class="row justify-content-center">
            <div class="col-md-8">
                <div class="card">
                    <div class="card-header">
                        <h2 class="text-center mb-0">Edit Post</h2>
                    </div>
                    <div class="card-body">
                        <?php if ($error): ?>
                            <div class="alert alert-danger"><?php echo
$error; ?></div>
                        <?php endif; ?>
                        <?php if ($success): ?>
                            <div class="alert alert-success"><?php echo
$success; ?></div>
                        <?php endif; ?>

                        <form method="POST" action=""
enctype="multipart/form-data">
                            <div class="mb-3">
                                <label for="title"
class="form-label">Title</label>
                                <input type="text" class="form-control"
id="title" name="title"
```

```php
                                                value="<?php echo
sanitize($postData['title']); ?>" required>
                            </div>
                            <div class="mb-3">
                                <label for="content"
class="form-label">Content</label>
                                <textarea class="form-control"
id="content" name="content"
                                    rows="10" required><?php echo
sanitize($postData['content']); ?></textarea>
                            </div>
                            <div class="mb-3">
                                <label for="image"
class="form-label">Image</label>
                                <?php if ($postData['image_path']): ?>
                                    <div class="mb-2">
                                        <img src="<?php echo 'uploads/' .
basename($postData['image_path']); ?>"
                                            class="img-thumbnail"
style="max-height: 200px;" alt="Current image">
                                    </div>
                                <?php endif; ?>
                                <input type="file" class="form-control"
id="image" name="image" accept="image/*">
                                <div class="form-text">
                                    Max file size: 5MB. Allowed types:
JPG, PNG, GIF.
                                    Leave empty to keep the current image.
                                </div>
                            </div>
                            <div class="d-grid gap-2">
                                <button type="submit" class="btn
btn-primary">Update Post</button>
                                <a href="view_post.php?id=<?php echo
$postData['id']; ?>"
                                    class="btn btn-secondary">Cancel</a>
                            </div>
                        </form>
                    </div>
                </div>
```

```
            </div>
        </div>
    </div>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle
.min.js"></script>
</body>

</html>
```

public/delete_post.php

```php
<?php
require_once '../includes/config.php';
require_once '../includes/Post.php';

if (!isLoggedIn()) {
    redirect('login.php');
}

if ($_SERVER['REQUEST_METHOD'] !== 'POST' || !isset($_POST['post_id'])) {
    redirect('index.php');
}

$post = new Post($pdo);
$postData = $post->getById($_POST['post_id']);

if (!$postData || $postData['user_id'] != $_SESSION['user_id']) {
    redirect('index.php');
}

// Delete the post image if it exists
if ($postData['image_path'] && file_exists($postData['image_path'])) {
    unlink($postData['image_path']);
}

// Delete the post
if ($post->delete($postData['id'], $_SESSION['user_id'])) {
    $_SESSION['success_message'] = 'Post deleted successfully.';
} else {
```

```
    $_SESSION['error_message'] = 'Failed to delete post.';
}


redirect('my_posts.php');
```

public/index.php

```php
<?php
require_once '../includes/config.php';
require_once '../includes/Post.php';

// Enable error reporting
error_reporting(E_ALL);
ini_set('display_errors', 1);

$post = new Post($pdo);
$page = isset($_GET['page']) ? (int)$_GET['page'] : 1;
$page = max(1, $page);

$result = $post->getAllPaginated($page);

// Debug output
error_log("Result from getAllPaginated: " . print_r($result, true));
error_log("Posts count: " . count($result['posts']));

$posts = $result['posts'];
$totalPages = $result['pages'];
?>


<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title><?php echo SITE_NAME; ?></title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.
css" rel="stylesheet">
```

```php
</head>

<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-4">
        <div class="container">
            <a class="navbar-brand" href="index.php"><?php echo SITE_NAME;
?></a>
            <button class="navbar-toggler" type="button"
data-bs-toggle="collapse" data-bs-target="#navbarNav">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav ms-auto">
                    <?php if (isLoggedIn()): ?>
                        <li class="nav-item">
                            <a class="nav-link"
href="create_post.php">Create Post</a>
                        </li>
                        <li class="nav-item">
                            <a class="nav-link" href="my_posts.php">My
Posts</a>
                        </li>
                        <li class="nav-item">
                            <a class="nav-link"
href="logout.php">Logout</a>
                        </li>
                    <?php else: ?>
                        <li class="nav-item">
                            <a class="nav-link" href="login.php">Login</a>
                        </li>
                        <li class="nav-item">
                            <a class="nav-link"
href="register.php">Register</a>
                        </li>
                    <?php endif; ?>
                </ul>
            </div>
        </div>
    </nav>
```

```php
    <div class="container">
        <h1 class="mb-4">Latest Blog Posts</h1>

        <?php if ($posts): ?>
            <?php foreach ($posts as $post): ?>
                <div class="card mb-4">
                    <?php if ($post['image_path']): ?>
                        <img src="/blog_php/public/uploads/<?php echo
basename($post['image_path']); ?>"
                            class="card-img-top" alt="Post image"
                            style="max-height: 300px; object-fit: cover;">
                    <?php endif; ?>
                    <div class="card-body">
                        <h2 class="card-title"><?php echo
sanitize($post['title']); ?></h2>
                        <p class="card-text">
                            <?php echo
nl2br(substr(sanitize($post['content']), 0, 200)) . '...'; ?>
                        </p>
                        <div class="text-muted mb-2">
                            Posted by <?php echo
sanitize($post['username']); ?> on
                            <?php echo date('F j, Y',
strtotime($post['created_at'])); ?>
                        </div>
                        <a href="view_post.php?id=<?php echo $post['id'];
?>" class="btn btn-primary">Read More</a>
                    </div>
                </div>
            <?php endforeach; ?>

            <!-- Pagination -->
            <?php if ($totalPages > 1): ?>
                <nav aria-label="Page navigation" class="mb-4">
                    <ul class="pagination justify-content-center">
                        <?php for ($i = 1; $i <= $totalPages; $i++): ?>
                            <li class="page-item <?php echo $i === $page ?
'active' : ''; ?>">
                                <a class="page-link" href="?page=<?php
echo $i; ?>"><?php echo $i; ?></a>
```

```
                            </li>
                        <?php endfor; ?>
                    </ul>
                </nav>
            <?php endif; ?>
        <?php else: ?>
            <div class="alert alert-info">No posts found.</div>
        <?php endif; ?>
    </div>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle
.min.js"></script>
</body>

</html>
```

public/myposts.php

```php
<?php
require_once '../includes/config.php';
require_once '../includes/Post.php';

if (!isLoggedIn()) {
    redirect('login.php');
}

$post = new Post($pdo);
$posts = $post->getUserPosts($_SESSION['user_id']);
?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My Posts - <?php echo SITE_NAME; ?></title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.
css" rel="stylesheet">
```

```php
</head>

<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-4">
        <div class="container">
            <a class="navbar-brand" href="index.php"><?php echo SITE_NAME;
?></a>
            <button class="navbar-toggler" type="button"
data-bs-toggle="collapse" data-bs-target="#navbarNav">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav ms-auto">
                    <li class="nav-item">
                        <a class="nav-link" href="index.php">Home</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="create_post.php">Create
Post</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="logout.php">Logout</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>

    <div class="container">
        <div class="d-flex justify-content-between align-items-center
mb-4">
            <h1>My Posts</h1>
            <a href="create_post.php" class="btn btn-primary">Create New
Post</a>
        </div>

        <?php if (isset($_SESSION['success_message'])): ?>
            <div class="alert alert-success">
                <?php
                echo $_SESSION['success_message'];
```
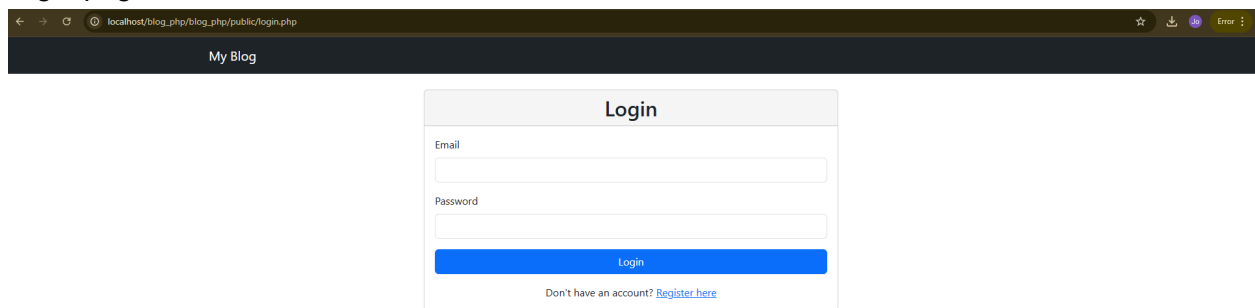
```php
                unset($_SESSION['success_message']);
            ?>
        </div>
    <?php endif; ?>


    <?php if (isset($_SESSION['error_message'])): ?>
        <div class="alert alert-danger">
            <?php
            echo $_SESSION['error_message'];
            unset($_SESSION['error_message']);
            ?>
        </div>
    <?php endif; ?>


    <?php if ($posts): ?>
        <div class="row">
            <?php foreach ($posts as $post): ?>
                <div class="col-md-6 mb-4">
                    <div class="card h-100">
                        <?php if ($post['image_path']): ?>
                            <img src="<?php echo 'uploads/' .
basename($post['image_path']); ?>"
                                 class="card-img-top" alt="Post image"
                                 style="height: 200px; object-fit:
cover;">
                        <?php endif; ?>
                        <div class="card-body">
                            <h2 class="card-title h5"><?php echo
sanitize($post['title']); ?></h2>
                                <p class="card-text text-muted small">
                                Posted on <?php echo date('F j, Y',
strtotime($post['created_at'])); ?>
                                    <?php if ($post['created_at'] !==
$post['updated_at']): ?>
                                        (Updated on <?php echo date('F j,
Y', strtotime($post['updated_at'])); ?>)
                                    <?php endif; ?>
                                </p>
                                <p class="card-text">
```

```php
                                            <?php echo
nl2br(substr(sanitize($post['content']), 0, 150)) . '...'; ?>
                                    </p>
                                    <div class="d-flex gap-2">
                                        <a href="view_post.php?id=<?php echo
$post['id']; ?>"
                                            class="btn btn-primary
btn-sm">View</a>
                                        <a href="edit_post.php?id=<?php echo
$post['id']; ?>"
                                            class="btn btn-secondary
btn-sm">Edit</a>
                                        <form method="POST"
action="delete_post.php" class="d-inline"
                                            onsubmit="return confirm('Are you
sure you want to delete this post?');">
                                            <input type="hidden"
name="post_id" value="<?php echo $post['id']; ?>">
                                            <button type="submit" class="btn
btn-danger btn-sm">Delete</button>
                                        </form>
                                    </div>
                                </div>
                            </div>
                        <?php endforeach; ?>
                    </div>
                <?php else: ?>
                    <div class="alert alert-info">
                        You haven't created any posts yet.
                        <a href="create_post.php" class="alert-link">Create your
first post</a>
                    </div>
                <?php endif; ?>
            </div>

            <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle
.min.js"></script>
</body>
```

```html
</html>
```

public/post.php

```php
<?php
require_once 'db.php';

$post_id = $_GET['id'];

$sql = "SELECT * FROM posts WHERE id = $post_id";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    $post = $result->fetch_assoc();
    echo "<h2>" . $post['title'] . "</h2>";
    echo "<p>" . $post['content'] . "</p>";
    echo "<img src='uploads/" . $post['image'] . "' alt='Post Image'>";
    echo "<p>Posted by: " . $post['author'] . " on " . $post['created_at']
. "</p>";
} else {
    echo "Post not found.";
}
```

##public/dashboard.php

```php
<?php
session_start();
require_once '../includes/db.php';

if (!isset($_SESSION['user_id'])) {
    header("Location: login.php");
    exit();
}

$user_id = $_SESSION['user_id'];
$stmt = getDB()->prepare("SELECT * FROM posts WHERE user_id = :user_id
ORDER BY created_at DESC");
$stmt->execute(['user_id' => $user_id]);
$posts = $stmt->fetchAll(PDO::FETCH_ASSOC);
?>
```

```php
<h1>Welcome, <?php echo $_SESSION['username']; ?></h1>
<a href="create_post.php">Create a New Post</a>

<!-- Display User's Posts -->
<?php foreach ($posts as $post): ?>
    <div class="post">
        <h2><?php echo htmlspecialchars($post['title']); ?></h2>
        <p><?php echo nl2br(htmlspecialchars($post['content'])); ?></p>
        <img src="../assets/images/<?php echo $post['image']; ?>" alt="">
        <p><a href="edit_post.php?id=<?php echo $post['id']; ?>">Edit</a>
| <a href="delete_post.php?id=<?php echo $post['id']; ?>">Delete</a></p>
    </div>
<?php endforeach; ?>
```

assets/css/style.css

```css
/* General Styles */
body {
    font-family: 'Arial', sans-serif;
    line-height: 1.6;
    margin: 0;
    padding: 0;
    background-color: #f4f4f4;
    color: #333;
}

.container {
    width: 80%;
    margin: 0 auto;
    padding: 20px;
}

/* Header Styles */
header {
    background: #333;
    color: #fff;
    padding: 20px 0;
    text-align: center;
```

```css
}

header h1 {
    margin: 0;
    font-size: 2.5em;
}

nav {
    margin-top: 10px;
}

nav a {
    color: #fff;
    margin: 0 15px;
    text-decoration: none;
    font-weight: bold;
    transition: color 0.3s;
}

nav a:hover {
    color: #ff6347;
}

/* Form Styles */
form {
    background: #fff;
    padding: 20px;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    margin: 20px 0;
}

input[type="text"],
input[type="password"],
textarea {
    width: 100%;
    padding: 10px;
    margin: 10px 0;
    border: 1px solid #ddd;
    border-radius: 5px;
```

```css
}

button {
    background: #333;
    color: #fff;
    border: none;
    padding: 10px 15px;
    border-radius: 5px;
    cursor: pointer;
    transition: background 0.3s;
}

button:hover {
    background: #ff6347;
}

/* Post Styles */
.post {
    background: #fff;
    padding: 20px;
    margin: 20px 0;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

.post h2 {
    margin-top: 0;
    color: #333;
}

.post img {
    max-width: 100%;
    height: auto;
    border-radius: 5px;
}

.post p {
    margin: 10px 0;
}
```

```
/* Footer Styles */
footer {
    background: #333;
    color: #fff;
    text-align: center;
    padding: 10px 0;
    position: fixed;
    width: 100%;
    bottom: 0;
}
```
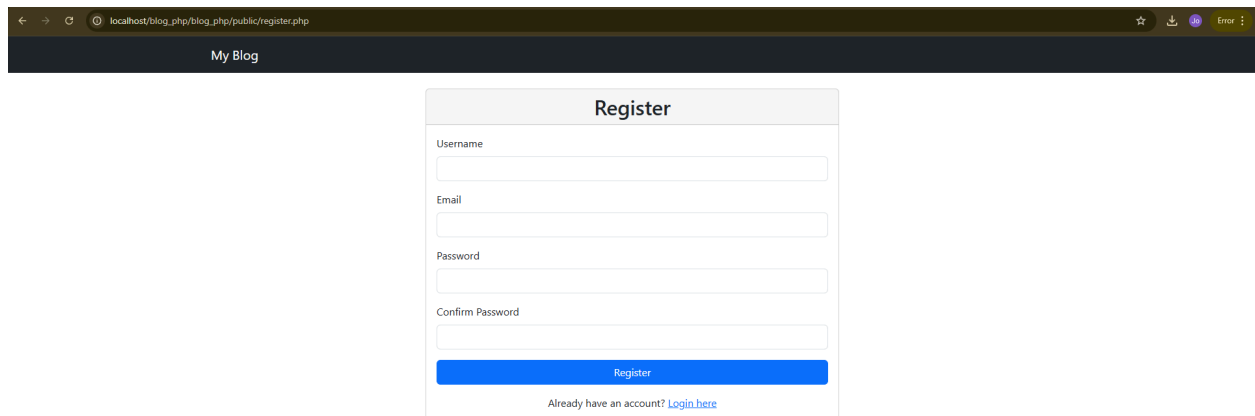
Output:

Login page

Register Page

Logging in

My Blog

Login

Email

joshna@gmail.com

Password

••••••

Login

Don't have an account? Register here

Dashboard after logging in

My Blog

Create Post   My Posts   Logout

Latest Blog Posts

No posts found.

Creating new Post

My Blog

Home   My Posts   Logout

Create New Post

Title

Why is AI changing the way people work?

Content

5. Skill Enhancement and Upskilling
AI is reshaping education and training by offering personalized learning experiences. AI-powered platforms can assess the strengths and weaknesses of workers and provide targeted training. This helps employees acquire new skills quickly, adapting to the evolving needs of the workforce.

6. Improved Efficiency
AI's ability to handle complex tasks at high speed and with high accuracy boosts productivity. It can optimize supply chains, streamline manufacturing processes, and enhance research and development efforts. AI-driven predictive maintenance, for example, can reduce downtime in industrial operations by predicting equipment failures before they occur.

Image (optional)

Choose File   download (1).jpeg

Max file size: 5MB. Allowed types: JPG, PNG, GIF

Create Post

Post Created successfully

Post in dashboard

Edit Post

Edited Post

My Blog   Home Create Post Logout

My Posts   Create New Post

Why is AI changing the way people work?
Posted on May 9, 2025 (Updated on May 9, 2025)

(UPDATED)AI is revolutionizing the way people work by introducing automation,
enhancing productivity, and enabling smarter decision-making. Here's h...

View Edit Delete

My Blog   Home Create Post My Posts Logout

Why is AI changing the way people work?
Posted by joshna on May 9, 2025 (Updated on May 9, 2025)

(UPDATED)AI is revolutionizing the way people work by introducing automation, enhancing productivity, and
enabling smarter decision-making. Here's how AI is changing the work landscape:

1. Automation of Repetitive Tasks
AI helps businesses automate routine tasks, freeing up human workers to focus on more creative and strategic work.
For example, AI-powered tools can handle customer inquiries through chatbots, schedule meetings, and even
generate reports. This reduces manual errors and speeds up processes.

2. Improved Decision-Making
AI processes large datasets quickly and efficiently, helping businesses make data-driven decisions. With AI analytics,
companies can predict trends, analyze customer behavior, and optimize strategies to boost efficiency and
profitability. This ability to derive insights from data is transforming how decisions are made in areas like marketing,
finance, and operations.

3. Enhanced Collaboration
AI tools are helping teams collaborate more effectively. With AI-powered project management tools, workers can
track project progress, allocate resources, and optimize team workflows. These tools can also help identify areas
where teams might be underperforming, allowing for quicker corrective actions.

4. Personalization and Customer Service
In customer-facing industries, AI is enabling personalized experiences. AI systems analyze customer preferences and
behaviors to provide tailored recommendations, improving customer satisfaction. Furthermore, AI-driven customer

Delete Post