**Step 17: Add Search For Posts**

Let’s go ahead and add search functionality for our posts.

***app/models/Posts.php***

 public function searchPosts($query) {

 // Prepare the query for a LIKE statement

 $query = "%" . $query . "%";

 $stmt = $this->db->conn->prepare('SELECT posts.\*, categories.name as category\_name FROM posts LEFT JOIN categories ON posts.category\_id = categories.id WHERE posts.title LIKE :query OR posts.content LIKE :query ORDER BY posts.id DESC');

 $stmt->bindValue(':query', $query, \PDO::PARAM\_STR);

 $stmt->execute();

 // Fetch and return the results

 return $stmt->fetchAll(\PDO::FETCH\_OBJ);

 }

Update the ***app/controllers/PostController.php***

 public function search() {

        // Get the search query from the URL

        $query = $\_GET['query'] ?? '';

        // Initialize an empty array for posts

        $posts = [];

        // Only fetch posts if the query is not empty

        if (!empty($query)) {

            $posts = $this->model->searchPosts($query);

        }

        // Load the view with search results

        // The view will receive either the search results or an empty array if the query was empty

        require BASE\_DIR . '/app/views/posts/search-results.php';

    }

**Update The Routes**

***public/index.php (GET Method)***

 // Search For Posts

        'search' => ['controller' => '\app\controllers\PostController', 'method' => 'search'],

**Create a View File (*app/views/posts/search-results.php*)**

This view will display the posts that have been fetched from the database. Based on the search query.

<?php

// Start output buffering to capture content for this page

ob\_start();

?>

<!-- search-results.php -->

<div class="container mt-4 mb-5">

    <div class="row justify-content-center">

        <div class="col-md-10">

            <h2 class="text-center mb-4">Search Results</h2>

            <?php if (empty($posts)): ?>

                <div class="alert alert-info text-center">No results found for your search.</div>

            <?php else: ?>

                <?php foreach ($posts as $post): ?>

                    <div class="card mb-4">

                        <div class="card-header">

                            <h3 class="card-title"><?php echo htmlspecialchars($post->title, ENT\_QUOTES); ?></h3>

                        </div>

                        <div class="card-body">

                            <!-- Display post image if available -->

                            <?php if ($post->image): ?>

                                <img src="/images/<?php echo htmlspecialchars($post->image, ENT\_QUOTES); ?>" alt="Post Image" class="img-fluid mb-3">

                            <?php endif; ?>

                            <p class="card-text"><?php echo htmlspecialchars($post->content, ENT\_QUOTES); ?></p>

                            <!-- Display category if available -->

                            <p class="card-text">

                                <strong>Category:</strong> <?php echo $post->category\_name ? htmlspecialchars($post->category\_name, ENT\_QUOTES) : 'No category'; ?>

                            </p>

                        </div>

                        <div class="card-footer text-muted">

                            <a href="/posts/show/<?php echo $post->id; ?>" class="btn btn-primary">View</a>

                        </div>

                    </div>

                <?php endforeach; ?>

            <?php endif; ?>

        </div>

    </div>

</div>

<?php

// End buffering and store the content in $content

$content = ob\_get\_clean();

// Include the layout template, assuming it uses $content for page content

include BASE\_DIR . '/public/Layouts/layout.php';

?>