

1. Goal and Summary

Objective

The goal of this project is to develop a web platform where users can write reviews, share, and interact with destinations around the world. This allows users to get useful information about their destinations, communicate with others, and share their travel experiences.

Summary

The travel review platform includes user authentication, profile management, review writing and inquiry, search capabilities, and likes for reviews. The platform was developed using PHP, MySQL, HTML, CSS, and JavaScript. The website applies a responsive design to provide an optimal user experience on a variety of devices.

2. Wireframes

The wireframe illustrates the layout of a web application titled "Travel Review Platform". At the top, there are navigation links for "Home", "Login", and "Register". Below this, a section titled "Recent Reviews" displays two review entries. Each entry shows the destination "Usa", a user comment ("Bad!" and "Good!"), a rating (1/5 and 5/5), and the number of likes (2 and 1). Below the reviews, there are two sets of user authentication forms. The first set includes a "Login" button, a "Username" input field, a "Password" input field, and a "Register" button. The second set includes "Username", "Password", and "Email" input fields.

Travel Review Platform

[Home](#) [Login](#) [Register](#)

Recent Reviews

Usa

Bad!

Rating: 1/5

Likes: 2

Usa

Good!

Rating: 5/5

Likes: 1

Login

Username

Password

Register

Username

Password

Email

3. Screenshots of the Pages

Travel Review Platform

[Home](#) [Login](#) [Register](#)

Recent Reviews

Usa

Bad!

Rating: 1/5

Likes: 2

Usa

Good!

Rating: 5/5

Likes: 1

Login

Username

Password

Login

Register

Username

Password

Email

Register

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5. Major Code Description

Database Connection - config.php

```
<?php
$servername"localhost";
$username"root";
$password"";
$dbname"travel_review_platform";
$conn=mysqli($servername, $username, $password, $dbname);
if($conn->connect_error) {
    die("Connection failed: ".$conn->connect_error);
}
?>
```

This is the code that establishes a connection to the MySQL database. It uses the mysqli object to connect to the database server, and if the connection fails, it outputs an error message.

Displaying Reviews and Like Count - index.php

```
<?php
include 'config.php';
$query"SELECT reviews.*, COUNT(likes.id) AS like_count
      FROM reviews
      LEFT JOIN likes ON reviews.id = likes.review_id
      GROUP BY reviews.id
      ORDER BY reviews.created_at DESC
      LIMIT 5";
$result=mysqli_query($conn, $query);
echo "<h2>Recent Reviews</h2>";
while($review=mysqli_fetch_assoc($result)) {
    echo "<div class='review'>";
    echo "<h3>".$review['title'] . "</h3>";
    echo "<p>".$review['content'] . "</p>";
    echo "<p>Rating: ".$review['rating'] . "/5</p>";
    echo "<p>Likes: ".$review['like_count'] . "</p>";
    if(isset($_SESSION['user_id'])) {
        echo "<form action='process.php?action=like' method='post'>";
        echo "<input type='hidden' name='review_id' value='".$review['id']
        . "'>";
    }
}
```

```

        echo "<button type='submit'>Like</button>";
        echo "</form>";
    }
    echo "</div>";
}
?>

```

This code displays recent reviews, calculates the number of likes for each review. Use LEFT JOIN to join the likes and reviews tables, and calculates the number of likes for each review as a COUNT function.

Like Functionality - process.php

```

<?php
case 'like':
    $review_id=$_POST['review_id'];
    $user_id=$_SESSION['user_id'];
    $query="INSERT INTO likes (user_id, review_id) VALUES('$user_id',
'$review_id')";
    if(mysqli_query($conn, $query)) {
        header('Location: index.php');
    } else{
        echo "Failed to like review.";
    }
    break;
?>

```

This code is the logic that runs when a user clicks Like on a review. Insert the user ID and review ID into the likes table to record the likes.

6. Conclusion

This project allowed me to practice developing web applications using PHP and MySQL while building a travel review platform. By implementing user authentication, profile management, review writing and inquiry, search function, and review likes, we created a website that can be used in practice. Based on what we learned from this project, we were able to lay the foundation for developing more complex and functional web applications.

7. GitHub

<https://github.com/Yoon-HaeJun/Travel-Review-Platform>