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<?php

/*
 * Script 11.6 – register.php (modified from Script 8.9)
 * This page lets people register for the site.
 * It stores user information in a text file and creates a directory
 * for them on the server.
 */

// Use a constant to set the page title.
define('TITLE', 'Register');

// Include the header file.
include('templates/header.php');

// Identify the directory and file to use.
$dir = '../users/';
$file = $dir . 'users.txt';

// Print some introductory text.
print '<h2>Registration Form</h2>';

// Check if the form has been submitted i.e. via POST request.
// If so, validate the submitted values.
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    // Flag variable to indicate if submitted values are valid or not.
    $problem = false;

    if (empty($_POST['username'])) {
        $problem = true;
        print '<p class="text--error">Please enter a username!</p>';
    }

    if (empty($_POST['password1'])) {
        $problem = true;
        print '<p class="text--error">Please enter a password!</p>';
    }
    elseif ($_POST['password1'] != $_POST['password2']) {
        $problem = true;
        print '<p class="text--error">Your password did not match your confirmed password!</p>';
    }

    // If all values are valid, register the user.
    // Otherwise, display a message to try again.
    if (!$problem) {
        // Check if the user file exists and is writable.
        if (is_writable($file)) {
            // Add the user data to the user text file, make a directory for
            // the user on the server, and notify the user that he/she is
            // registered.

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        // Create the user subdirectory name and data to be written.
        $subdir = time() . rand(0, 4596);
        $data = $_POST['username'] . "\t" . sha1(trim($_POST['password1'])) . "\t" . $subdir
PHP_EOL;

        // Write the data.
        file_put_contents($file, $data, FILE_APPEND | LOCK_EX);

        // Create the directory.
        mkdir ($dir . $subdir);

        print '<p>You are now registered!</p>';

    } else { // Couldn't write to the file.
        print '<p class="error">You could not be registered due to a system error.</p>';
    }

    // Clear the posted values so that they are not redisplayed in the form.
    $_POST = [];
} else {
    print '<p class="text--error">Please try again!</p>';
}
}
// Display a sticky form.
?>

<form action="register.php" method="post" class="form--inline">
    <p>
        <label for="username">Username:</label>
        <input type="text" name="username" size="20"
            value="<?php if (isset($_POST['username'])) { print htmlspecialchars($_POST['username']); }
?>">
    </p>
    <p>
        <label for="password1">Password:</label>
        <input type="password" name="password1" size="20"
            value="<?php if (isset($_POST['password1'])) { print htmlspecialchars($_POST['password1']); }
?>">
    </p>
    <p>
        <label for="password2">Confirm Password:</label>
        <input type="password" name="password2" size="20"
            value="<?php if (isset($_POST['password2'])) { print htmlspecialchars($_POST['password2']); }
?>">
    </p>
    <p><input type="submit" name="submit" value="Register!" class="button--pill"></p>
</form>

<?php
// Include the footer file.
include('templates/footer.php');
```

?>