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CST5L(6515)

Database.php

```
<?php
class Database {
    private $connection;

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

    private function connect() {
        try {
            $this->connection = new PDO(
                "mysql:host=" . DB_HOST . ";dbname=" . DB_NAME,
                DB_USER,
                DB_PASS
            );
            $this->connection->setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
        } catch(PDOException $e) {
            die("Connection failed: " . $e->getMessage());
        }
    }

    public function getConnection() {
        return $this->connection;
    }
}
?>
```

database.php

```
<?php
define('DB_HOST', 'localhost');
define('DB_USER', 'root');
define('DB_PASS', '');
define('DB_NAME', 'activity');
?>
```

dashboard.php

```
<?php
define('DB_HOST', 'localhost');
define('DB_USER', 'root');
define('DB_PASS', '');
define('DB_NAME', 'activity');
?>
```

login.php

```
<?php
require_once 'config/database.php';
require_once 'classes/Database.php';

session_start();

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $db = new Database();
    $conn = $db->getConnection();

    $username = filter_input(INPUT_POST, 'username',
FILTER_SANITIZE_STRING);
    $password = $_POST['password'];

    $stmt = $conn->prepare("SELECT * FROM users WHERE username = ?");
    $stmt->execute([$username]);
    $user = $stmt->fetch(PDO::FETCH_ASSOC);

    if ($user && password_verify($password, $user['password'])) {
        $_SESSION['user_id'] = $user['id'];
        $_SESSION['username'] = $user['username'];
        header("Location: dashboard.php");
        exit();
    } else {
        $_SESSION['error'] = "Invalid username or password";
    }
}

?>
<!DOCTYPE html>
<html>
```

```

<head>
    <title>Login</title>
</head>
<body>
    <h2>Login</h2>
    <?php
    if (isset($_SESSION['error'])) {
        echo "<p style='color: red'>".$_SESSION['error']. "</p>";
        unset($_SESSION['error']);
    }
    if (isset($_SESSION['message'])) {
        echo "<p style='color: green'>".$_SESSION['message']. "</p>";
        unset($_SESSION['message']);
    }
    ?>
    <form method="post" action="">
        <input type="text" name="username" placeholder="Username"
required><br>
        <input type="password" name="password" placeholder="Password"
required><br>
        <input type="submit" value="Login">
    </form>
    <p>Don't have an account? <a href="register.php">Register here</a></p>
</body>
</html>

```

logout.php

```

<?php
session_start();
session_destroy();
header("Location: login.php");
exit();
?>

```

register.php

```

<?php
require_once 'config/database.php';
require_once 'classes/Database.php';

```

```

session_start();

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $db = new Database();
    $conn = $db->getConnection();

    $username = filter_input(INPUT_POST, 'username',
FILTER_SANITIZE_STRING);
    $password = password_hash($_POST['password'], PASSWORD_DEFAULT);
    $email = filter_input(INPUT_POST, 'email', FILTER_SANITIZE_EMAIL);

    $stmt = $conn->prepare("INSERT INTO users (username, password, email)
VALUES (?, ?, ?)");

    try {
        $stmt->execute([$username, $password, $email]);
        $_SESSION['message'] = "Registration successful!";
        header("Location: login.php");
        exit();
    } catch(PDOException $e) {
        $_SESSION['error'] = "Registration failed. Please try again.";
    }
}

?>
<!DOCTYPE html>
<html>
<head>
    <title>Register</title>
</head>
<body>
    <h2>Register</h2>
    <?php
    if (isset($_SESSION['error'])) {
        echo "<p style='color: red'>".$_SESSION['error']. "</p>";
        unset($_SESSION['error']);
    }
    ?>
    <form method="post" action="">
        <input type="text" name="username" placeholder="Username"
required><br>

```







```





        <input type="email" name="email" placeholder="Email" required><br>
        <input type="password" name="password" placeholder="Password"
required><br>
        <input type="submit" value="Register">
    </form>
    <p>Already have an account? <a href="login.php">Login here</a></p>
</body>
</html>

```

SCREENSHOTS

Extra options

				id	username	password	email	created_at
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	john	\$2y\$10\$aPFIWOU9JPJxl6oXqrGCKOtSpaEZPFkFgmgtfJuWnc...	john@gmail.com	2025-02-24 21:28:20
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	hello	\$2y\$10\$ILio5dm.I2pDK4VBXKtvPujk6m1NSS9e6QmxYUZ2VcR...	hello@gmail.com	2025-02-24 21:34:46

☐ Check all With selected:  Edit  Copy  Delete  Export

Login

Registration successful!

Username
Password
Login

Don't have an account? [Register here](#)

Welcome, hello!

[Logout](#)

Login

Invalid username or password

Username
Password
Login

Don't have an account? [Register here](#)

Register

hello
hello@gmail.com
.....
Register

Already have an account? [Login here](#)