

FSD WORKSHOP-6

db.php

```
<?php  
$host = "localhost";  
$user = "root";  
$pass = "";  
$dbname = "school_db";  
  
try {  
    $conn = new PDO("mysql:host=$host;dbname=$dbname", $user,  
$pass);  
    $conn->setAttribute(PDO::ATTR_ERRMODE,  
PDO::ERRMODE_EXCEPTION);  
    echo "Database connected successfully!";  
} catch(PDOException $e) {  
    echo "Connection failed: " . $e->getMessage();  
}  
?>
```

index.php

```
<?php include 'db.php'; ?>
<!DOCTYPE html>
<html>
<head>
    <title>Student List CRUD</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: #f4f6f9;
            margin: 0;
            padding: 20px;
        }
        h2, h3 {
            text-align: center;
            color: #333;
        }
        form {
            width: 50%;
            margin: 20px auto;
            background: #fff;
            padding: 20px;
        }
    </style>
</head>
<body>
    <h1>Student List</h1>
    <h2>Add Student</h2>
    <form>
        <label>Name:</label>
        <input type="text" name="name">
        <label>Age:</label>
        <input type="text" name="age">
        <label>Gender:</label>
        <input type="text" name="gender">
        <input type="submit" value="Submit" />
    </form>
    <h2>Student List</h2>
    <table border="1">
        <thead>
            <tr>
                <th>ID</th>
                <th>Name</th>
                <th>Age</th>
                <th>Gender</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>1</td>
                <td>John Doe</td>
                <td>20</td>
                <td>Male</td>
            </tr>
            <tr>
                <td>2</td>
                <td>Jane Smith</td>
                <td>22</td>
                <td>Female</td>
            </tr>
            <tr>
                <td>3</td>
                <td>Mike Johnson</td>
                <td>21</td>
                <td>Male</td>
            </tr>
            <tr>
                <td>4</td>
                <td>Sarah Lee</td>
                <td>23</td>
                <td>Female</td>
            </tr>
            <tr>
                <td>5</td>
                <td>David White</td>
                <td>24</td>
                <td>Male</td>
            </tr>
        </tbody>
    </table>
</body>

```

```
border-radius: 6px;  
box-shadow: 0 2px 6px rgba(0,0,0,0.1);  
}  
  
form input {  
width: 95%;  
padding: 10px;  
margin: 8px 0;  
border: 1px solid #ccc;  
border-radius: 4px;  
}  
  
form button {  
width: 100%;  
padding: 10px;  
background: #28a745;  
border: none;  
color: white;  
font-size: 16px;  
border-radius: 4px;  
}  
  
form button:hover {  
background: #218838;  
}  
  
table {
```

```
width: 80%;  
margin: 0 auto;  
border-collapse: collapse;  
background: #fff;  
box-shadow: 0 2px 6px rgba(0,0,0,0.1);  
}
```

```
table th, table td {  
padding: 12px;  
border: 1px solid #ddd;  
text-align: center;  
}
```

```
table th {  
background: #007bff;  
color: white;  
}
```

```
a {  
padding: 6px 12px;  
margin: 2px;  
text-decoration: none;  
border-radius: 4px;  
font-size: 14px;  
background: #007bff;  
color: white;
```

```
}

a:hover {

    background: #0056b3;

}

</style>

</head>

<body>

    <h2>Student List Application</h2>

    <form method="POST" action="">

        <h3>Add New Student</h3>

        <input type="text" name="name" placeholder="Enter Name"
required>

        <input type="email" name="email" placeholder="Enter Email"
required>

        <input type="text" name="course" placeholder="Enter Course"
required>

        <button type="submit" name="add">Add Student</button>

    </form>

    <?php

    // Handle Add Student

    if(isset($_POST['add'])){

        $stmt = $conn->prepare("INSERT INTO students (name, email,
course) VALUES (?, ?, ?)");

    }
}
```

```
$stmt->execute([\$_POST['name'], \$_POST['email'],
\$_POST['course']]);
echo "<p style='text-align:center;color:green;'>✓ Student added
successfully!</p>";
}

?>

<!-- Display Students -->
<h3>All Students</h3>
<table>

<tr>
<th>ID</th><th>Name</th><th>Email</th><th>Course</th><th>Actions
</th>
</tr>
<?php
$stmt = $conn->query("SELECT * FROM students");
while($row = $stmt->fetch(PDO::FETCH_ASSOC)){
echo "<tr>
<td>{$row['id']}</td>
<td>{$row['name']}</td>
<td>{$row['email']}</td>
<td>{$row['course']}</td>
<td>
<a href='index.php?edit={$row['id']}'>Edit</a>

```

```
<a href='index.php?delete={$row['id']}'>Delete</a>
        </td>
    </tr>";
}

?>

</table>

<?php

// Handles Delete Action
if(isset($_GET['delete'])){
    $id = $_GET['delete'];
    $stmt = $conn->prepare("DELETE FROM students WHERE id=?");
    $stmt->execute([$id]);
    echo "<p style='text-align:center;color:red;'>X Student
deleted!</p>";
    header("Refresh:0; url=index.php"); // refresh page
}

// Handles Edit Action
if(isset($_GET['edit'])){
    $id = $_GET['edit'];
    $stmt = $conn->prepare("SELECT * FROM students WHERE id=?");
    $stmt->execute([$id]);
    $student = $stmt->fetch(PDO::FETCH_ASSOC);
    echo "<form method='POST' action=" style='margin-top:20px;'>
```

```
<h3>Edit Student</h3>

<input type='text' name='name' value='{$student['name']}' required>

    <input type='email' name='email' value='{$student['email']}' required>

        <input type='text' name='course' value='{$student['course']}' required>

            <button type='submit' name='update'>Update
Student</button>

</form>";

// Handles Edit Action

if(isset($_POST['update'])){

$stmt = $conn->prepare("UPDATE students SET name=?, email=?,
course=? WHERE id=?");

$stmt->execute([$_POST['name'], $_POST['email'],
$_POST['course'], $id]);

echo "<p style='text-align:center;color:blue;'> Student
updated!</p>";

exit;

}

?>

</body>
</html>
```

OUTPUT:

Database connected successfully!

Student List Application

Add New Student

Add Student

All Students

ID	Name	Email	Course	Actions	
1	Alice Johnson	alice@example.com	Computer Science	Edit	Delete
2	Bob Smith	bob@example.com	Mathematics	Edit	Delete
3	Charlie Brown	charlie@example.com	Physics	Edit	Delete
4	Diana Prince	diana@example.com	Chemistry	Edit	Delete
5	Ethan Hunt	ethan@example.com	Biology	Edit	Delete
6	Chhabi Maharjan	chhabi.maharjan69@gmail.com	Computer Science	Edit	Delete

Edit Student

Update Student

Student updated!