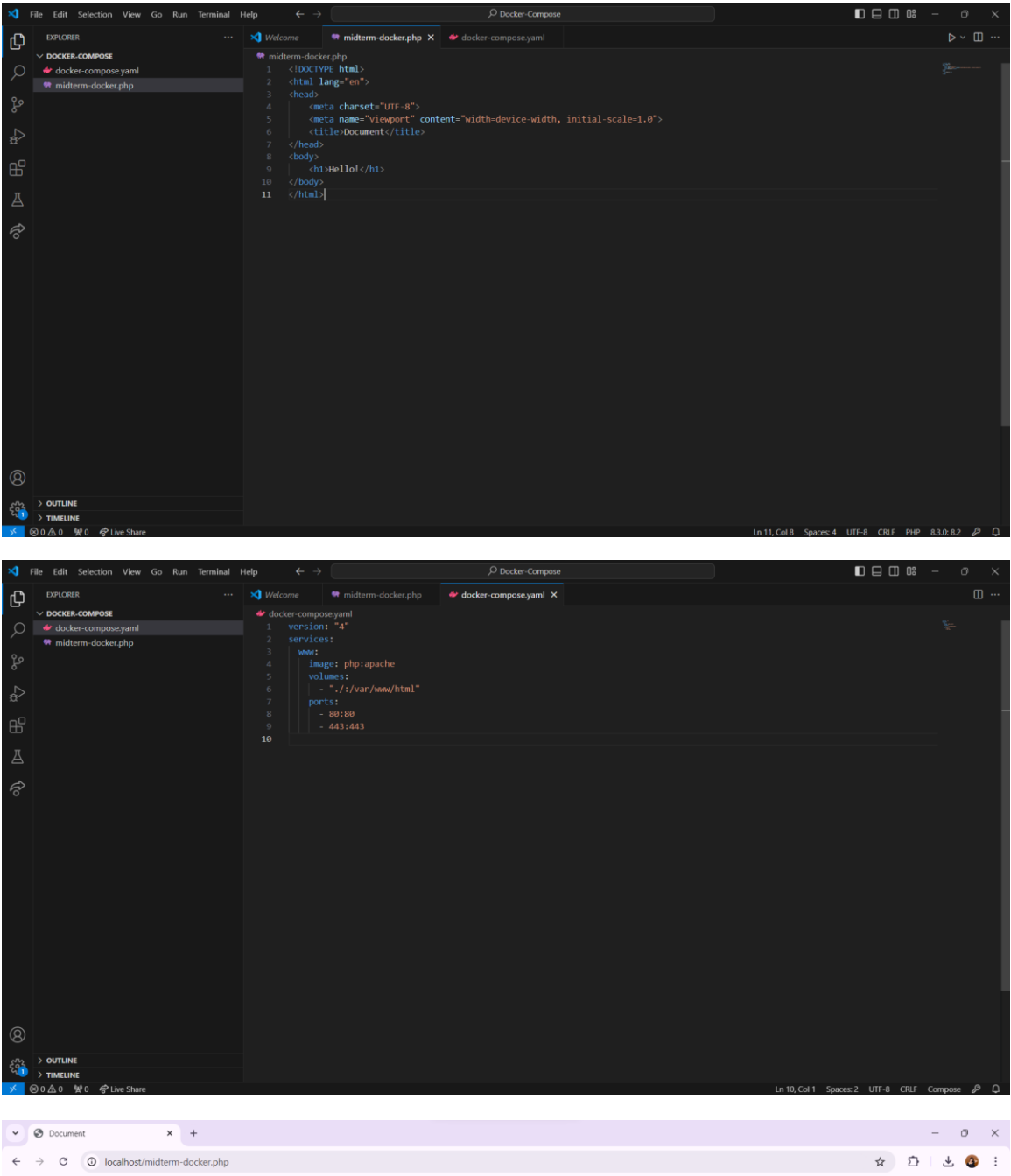


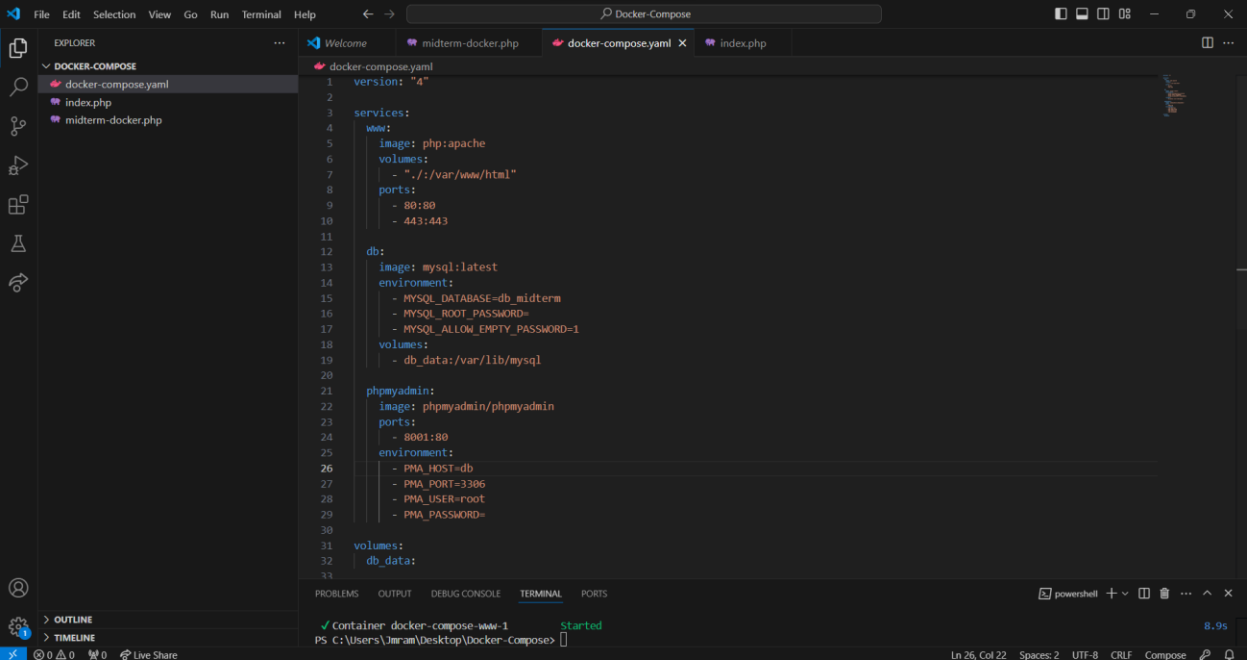
DOCKER-COMPOSE

Midterm Project

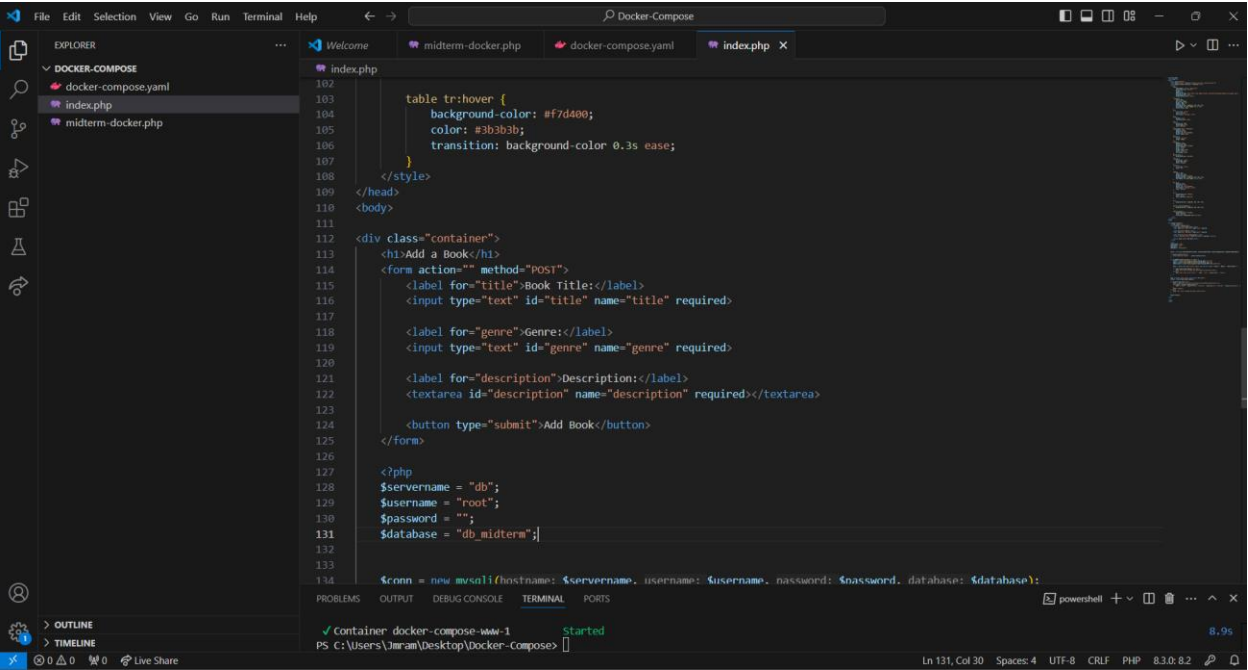
1. Displaying PHP file on browser.



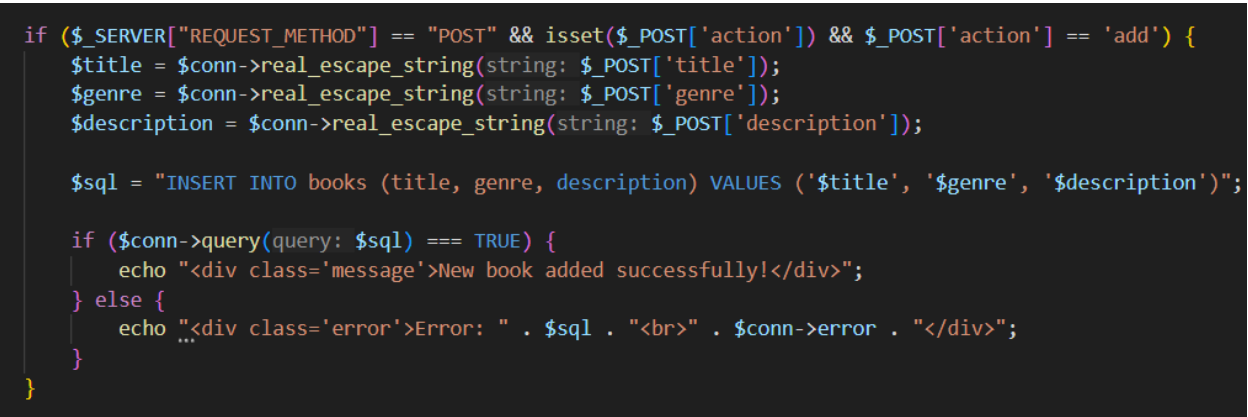
2. Setting up Database.

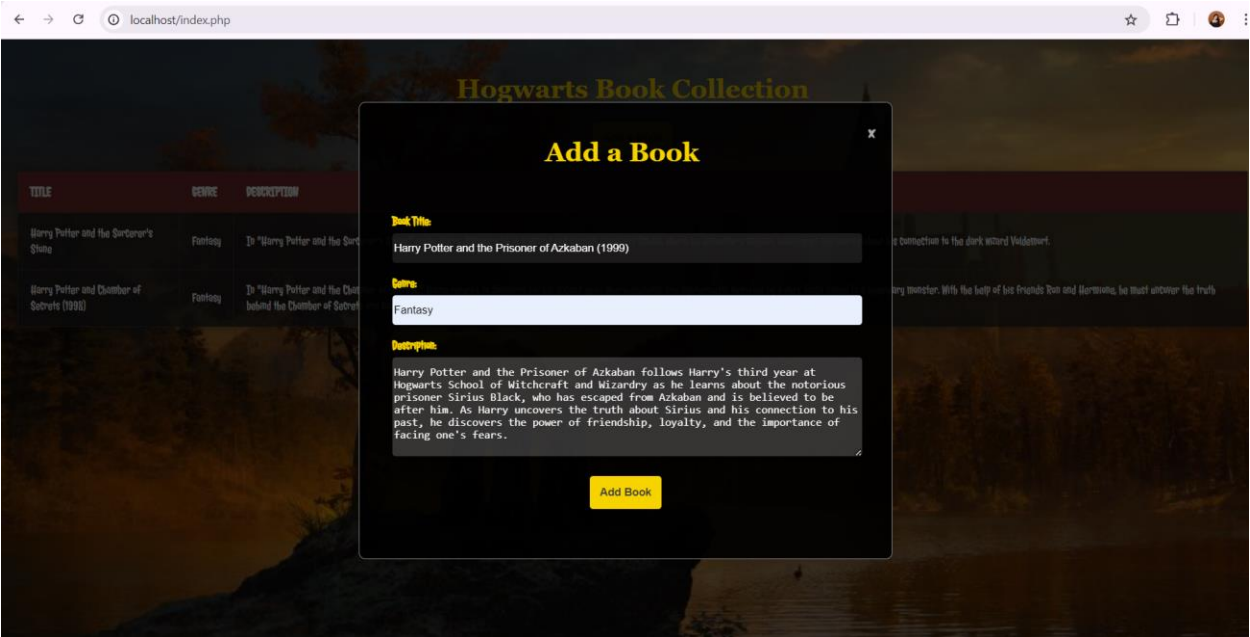


3. CRUD



- INSERTION



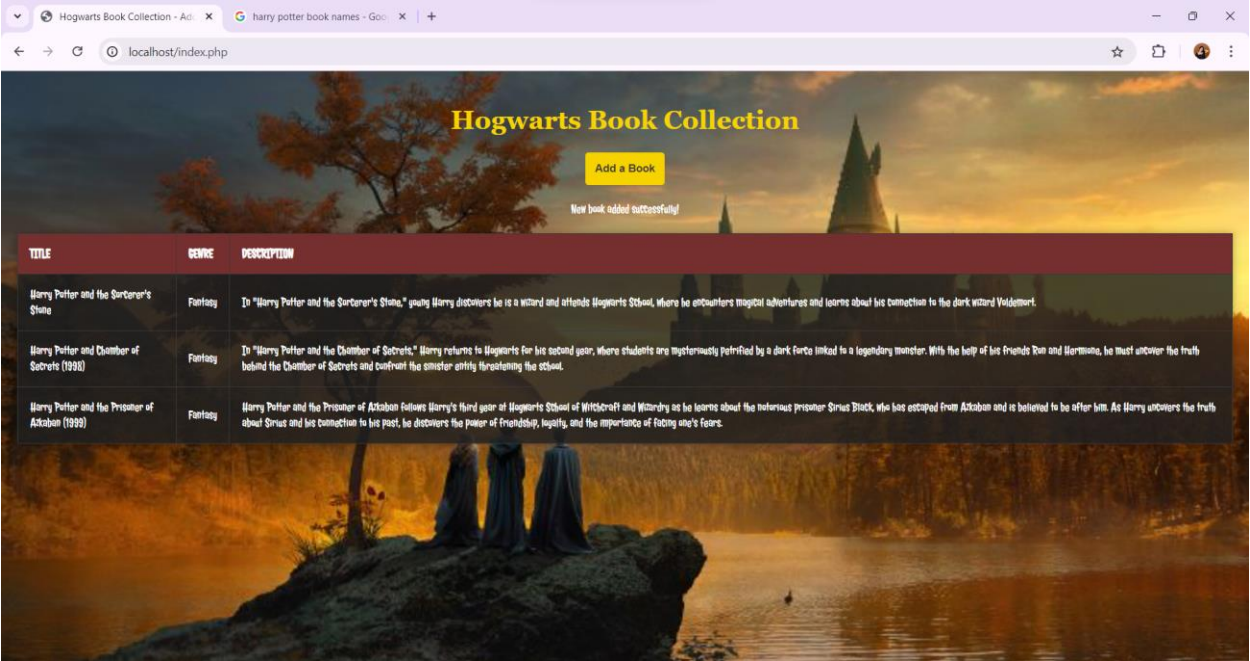


- RETRIEVE

```
$sql = "SELECT id, title, genre, description FROM books";
$result = $conn->query(query: $sql);

if ($result->num_rows > 0) {
    echo "<table><tr><th>Title</th><th>Genre</th><th>Description</th><th>Actions</th></tr>";
    while($row = $result->fetch_assoc()) {
        $title = htmlspecialchars(string: $row["title"]);
        $genre = htmlspecialchars(string: $row["genre"]);
        $description = htmlspecialchars(string: $row["description"]);
        $id = intval(value: $row["id"]);

        echo "<tr>
            <td>$title</td>
            <td>$genre</td>
            <td>$description</td>
            <td>
                <button class='edit-btn' onclick='openUpdateModal($id, \"$title\", \"$genre\", \"$description\")'>Update</button>
                <button class='delete-btn' onclick='confirmDelete($id)'>Delete</button>
            </td>
        </tr>";
    }
    echo "</table>";
} else {
    echo "<div class='message'>No books found.</div>";
}
```

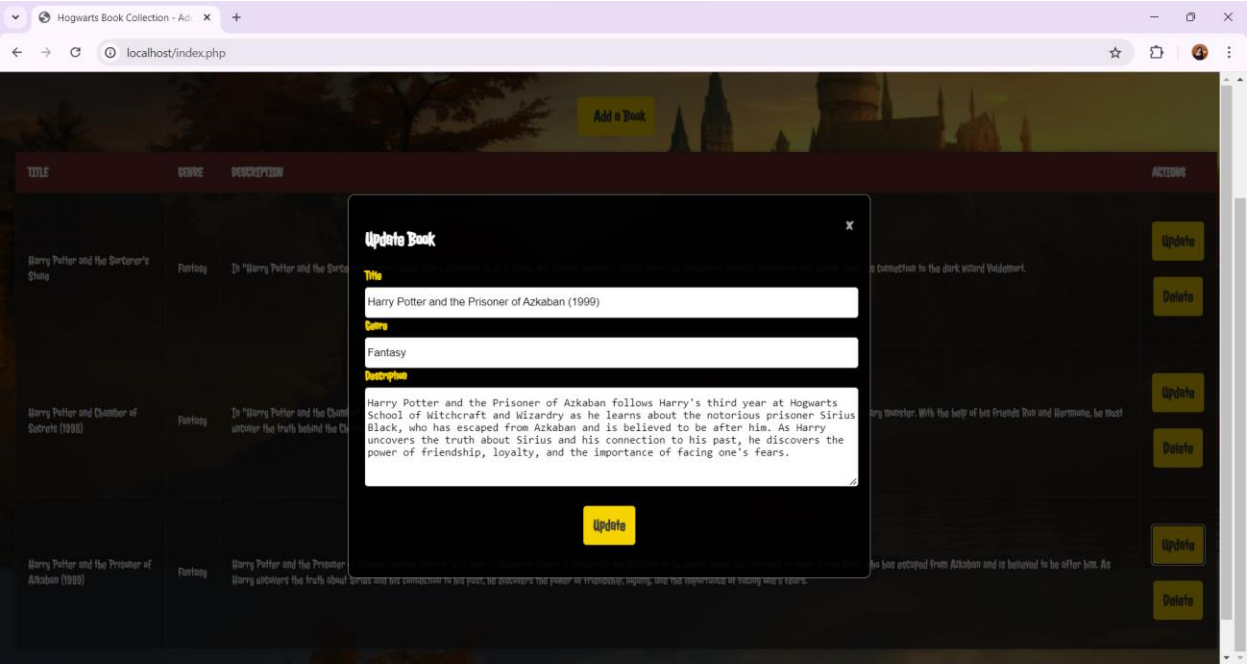


- UPDATE

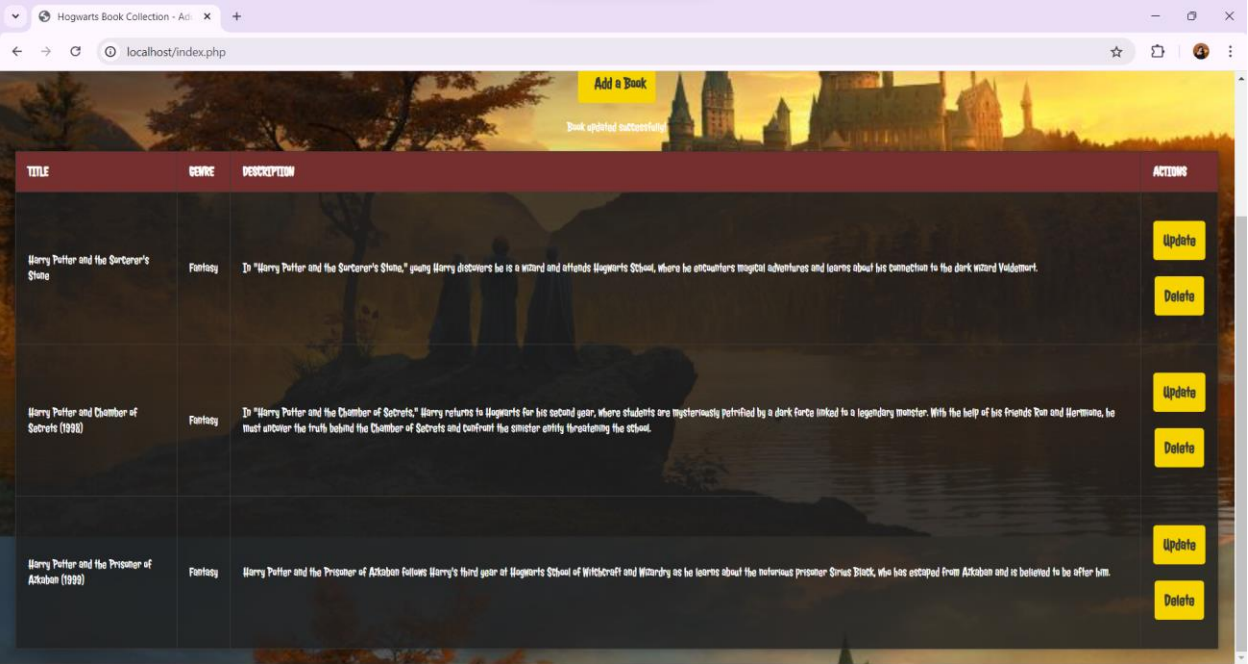
```
if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST['action']) && $_POST['action'] == 'update') {
    $id = $_POST['id'];
    $title = $conn->real_escape_string(string: $_POST['title']);
    $genre = $conn->real_escape_string(string: $_POST['genre']);
    $description = $conn->real_escape_string(string: $_POST['description']);

    $sql = "UPDATE books SET title='$title', genre='$genre', description='$description' WHERE id=$id";

    if ($conn->query(query: $sql) === TRUE) {
        echo "<div class='message'>Book updated successfully!</div>";
    } else {
        echo "...<div class='error'>Error: " . $sql . "<br>" . $conn->error . "</div>";
    }
}
```



■ I removed 1 sentence .. “As Harry uncovers the truth about Sirius and his connection to his past, he discovers the power of friendship, loyalty, and the importance of facing one's fears.”

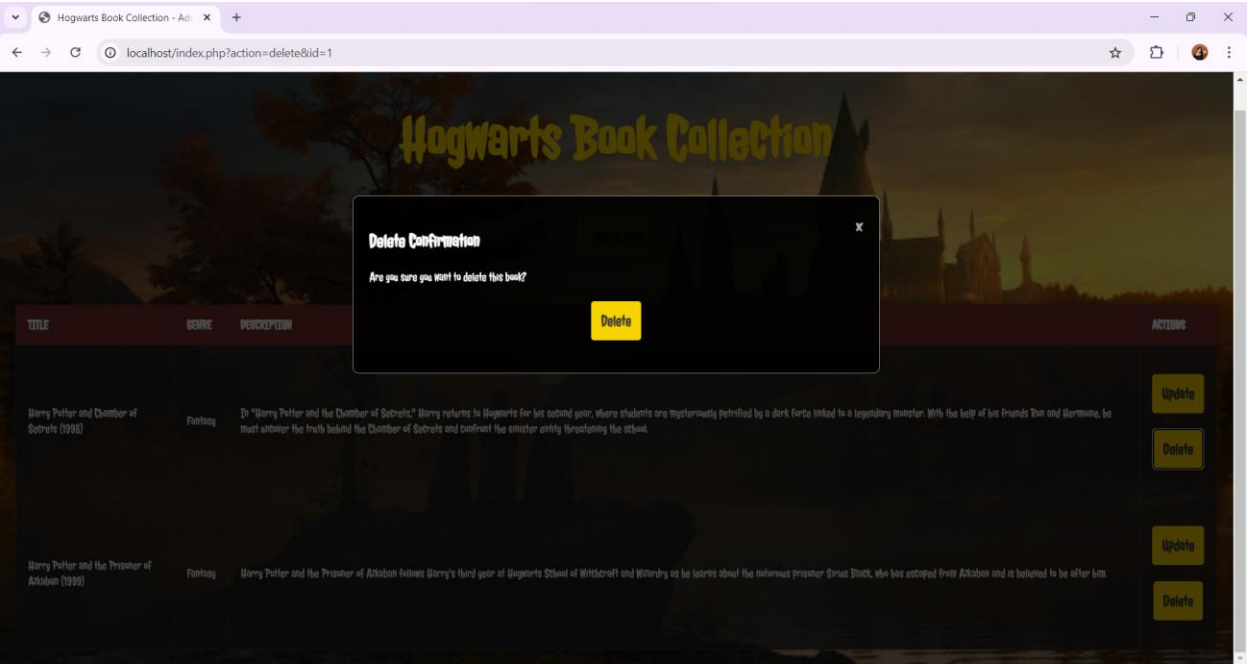


- DELETE

```
if (isset($_GET['action']) && $_GET['action'] == 'delete' && isset($_GET['id'])) {
    $id = $_GET['id'];

    $sql = "DELETE FROM books WHERE id=$id";

    if ($conn->query(query: $sql) === TRUE) {
        echo "<div class='message'>Book deleted successfully!</div>";
    } else {
        echo "...<div class='error'>Error: " . $sql . "<br>" . $conn->error . "</div>";
    }
}
```



■ Deleting the 2nd Row.

