



Rajshahi University of Engineering & Technology
Department of Computer Science & Engineering
Digital Skills Training for Students
Mid-Term Assessment



Track Name: PHP (Laravel)

Batch No.: RUETCSE0105

Student Name:

Marks: 20

Total Duration: 1:50 Hours

Obtained Marks: ____

Topic: Dynamic Employee Management System

Instructions: You are tasked with extending the provided codebase of the Employee Management Admin Panel to implement full database functionality. Follow the steps below carefully:

	Marks
1. Database Creation	3
<ul style="list-style-type: none">Create a database named EmployeeManagement.Within this database, create a table called Employees with the following fields:<ul style="list-style-type: none">id (Primary Key, Auto Increment, INT)name (VARCHAR, e.g., 'Alice Johnson')position (VARCHAR, e.g., 'Software Engineer')salary (DECIMAL, e.g., '5000.00')status (VARCHAR, e.g., 'Active', 'Inactive')	
2. Database Connection	3
<ul style="list-style-type: none">Establish a connection between your codebase and the MySQL database using PHP.Write a PHP file named dbconnect.php that contains the database connection logic.	
3. Add Dynamic CRUD Operations	6
Modify the codebase to perform dynamic database operations: <ol style="list-style-type: none">Add Employee:<ul style="list-style-type: none">Update the <i>"Add Employee"</i> page to insert new employee records into the Employees table.Display Employees:<ul style="list-style-type: none">Dynamically fetch and display the employee records on the <i>"Dashboard"</i> page from the Employees table.Update Employee:<ul style="list-style-type: none">Update existing employee details (<i>name, position, salary, status</i>) from the <i>"Update Employee"</i> page directly in the database.Delete Employee:<ul style="list-style-type: none">Delete an employee record from the <i>"Delete Employee"</i> page by its id.	
4. Direct Actions from Dashboard	4
<ul style="list-style-type: none">Enhance the <i>"Dashboard"</i> page:<ul style="list-style-type: none">Add action buttons for Update and Delete for each row.Clicking these buttons should lead to the respective functionality using the id of the employee.	

- Create a basic login system:
 - Add a new table in the database named **AdminUsers** with fields: **id**, **username**, and **password**.
 - Add a *login.html* page where administrators can log in using their credentials.
 - Ensure secure password storage using hashing (e.g., `password_hash`).
 - Restrict access to the dashboard and other pages for unauthorized users.
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Deliverables:

1. **Database SQL File:** Provide an SQL script to create the required tables and sample data.
2. **Updated Codebase:** Include all updated files (*AddEmployee.html*, *Dashboard.html*, *UpdateEmployee.html*, *DeleteEmployee.html*, *login.html*).
3. **Testing:** Ensure all functionalities (*CRUD operations*, *login*, *dynamic updates*) are fully operational.

THE END
