

PHP Employee Management System - Documentation

Project Overview

This PHP Employee Management System project is designed to help a student learn how to develop a basic employee management system. The project is divided into frontend and backend tasks. The student will be provided with a frontend interface, login functionality, and a database structure, while their task will be to integrate backend functionality for managing employees.

Database Structure

The database for this project should contain the following tables:

1. employees: Stores employee details.

- Fields: id (int), name (varchar), position (varchar), department (varchar), email (varchar), phone (varchar), hire_date (date)

2. departments: Stores department information.

- Fields: id (int), name (varchar), description (varchar)

3. users: Stores admin login credentials.

- Fields: id (int), username (varchar), password_hash (varchar)

Frontend Interface

The frontend interface consists of the following pages:

1. Login Page:

- A form with fields for username and password.

2. Dashboard Layout:

- A sidebar with links for employee management and a main area for displaying content.

3. Employee List:

- A table structure to list employees with basic actions like View, Edit, and Delete.

4. Add Employee:

- A form for adding new employees with fields matching the 'employees' table.

Student Task

The student will complete the following backend functionality:

1. Implement user login and session management.
2. Create CRUD (Create, Read, Update, Delete) functionality for employees.
3. Display employee data dynamically from the database.
4. Manage employee records by connecting frontend forms and tables with PHP backend scripts.

This exercise will help the student practice PHP, MySQL, and backend integration.