

**OBJECT ORIENTED PROGRAMMING**

**PROJECT\_NAME: Employee Management System**

**\*\*Group Members:\*\***

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**Github Link:**

**(Provide your GitHub link here once available, e.g., `https://github.com/username/project-name`)**

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**Title: Employee Management System**

**Problem to Solve:**

**Managing employees efficiently is a significant challenge in any organization. An Employee Management System simplifies the process by providing a digital solution for handling employee records, performance tracking, and salary management. The project aims to address issues such as record duplication, manual calculations, and time inefficiencies by automating various administrative tasks.**

**Purpose and Expected Functionality:**

**The Employee Management System will serve as a comprehensive tool for managing employee-related data and activities. The primary functionality includes:**

**1. \*\*Add Employee:\*\* Allow the addition of new employee details such as name, ID, position, department, and salary.**

**2. \*\*View Employee Records:\*\* Display detailed employee information in a user-friendly interface.**

**3. \*\*Update Employee Details:\*\* Enable modification of employee data, such as updating salaries, designations, or departments.**

**4. \*\*Delete Employee Records:\*\* Provide an option to remove an employee's record from the system.**

**5. \*\*Search Employee:\*\* Allow searching for employees by their name, ID, or department.**

**6. \*\*Performance Tracking:\*\* Add and manage performance reviews, helping HR assess employee growth.**

**7. \*\*Salary Management:\*\* Calculate and manage salaries with deductions and bonuses.**

**8. \*\*Role-Based Access:\*\* Implement access controls where only authorized users (e.g., HR personnel) can perform certain actions.**

**9. \*\*Reporting:\*\* Generate reports on employee data, such as headcounts by department, salary expenses, or performance trends.**

**10. \*\*Responsive Interface:\*\* Ensure the application is intuitive and provides a smooth user experience.**

**This system will streamline HR operations, reduce the dependency on manual processes, and enhance overall productivity.**