Employee Attendance Management System Project Report Pdf

Employee Attendance Management System Project Abstract

The **employee attendance management system project abstract** must answer or address the needs of every issue that happens in the company the issues could include difficulty in tracing employees' attendance, managing their working hours, and preventing the employees from stealing time.

Abstract: Employee Attendance Management System aims to help keep track of employees' working attendance. It's the system used to track how much time the workers spend working and how much time they spend off. It also lessens the use of paper, spreadsheets, or punching time cards, but with attendance software online. This system prohibits employees from stealing time. There is a real-time attendance management system that connects all of the different types of attendance devices that people use, such as smart cards, biometrics, and facial recognition devices.

The employee attendance management system's goal is to assist administrators in keeping track of employees. This software is automated can save time and money for administrators. A solution like this also saves staff workload and boosts efficiency. An employee attendance monitoring system allows HR to observe who is clocked in and when they are timed out. You may rest assured that you are only paying your staff for the time they spend on the job. The employee attendance system provides a precise view of the company's labor costs. It is a requirement of the HR department.

Employee Attendance Management System Project Modules:

- **Biometric Attendance**: It assists in keeping track of employee schedules and accurately records employee entry and exit timings.
- **Time-in and Time-out Recording:** Timing in and out keeps track of how many hours an employee works each day and throughout the working days. The number of hours they work were also continuously checked during the working hours.
- **Late Time-in Monitoring:** This feature helps the admin monitor the late time-in of the employees using the Employee management System.
- **Over-time Recording:** This feature helps the admin track the overtime working done by the employees using the Employee management System.
- **Leave Management**: Is the feature where the employees' leave can be managed by the admin and the employee will also be informed about their leave status.
- **Working Day Monitoring:** This will serve as the basis in checking holidays and working days.
- **Attendance Reports:** This will help in determining the number of working hours and days complied by the employee and will report to the admin about the performance of their employees.

- **Payroll Management:** This feature helps in securing all the result of every employees' performance that will reflect to the salary that is right for them.

Your employees' hours are tracked through Attendance Management. It's the system you use to track how much time your workers spend working and how much time they spend off. Employee Attendance management can be accomplished by keeping track of working hours through this Employee Attendance Management System.
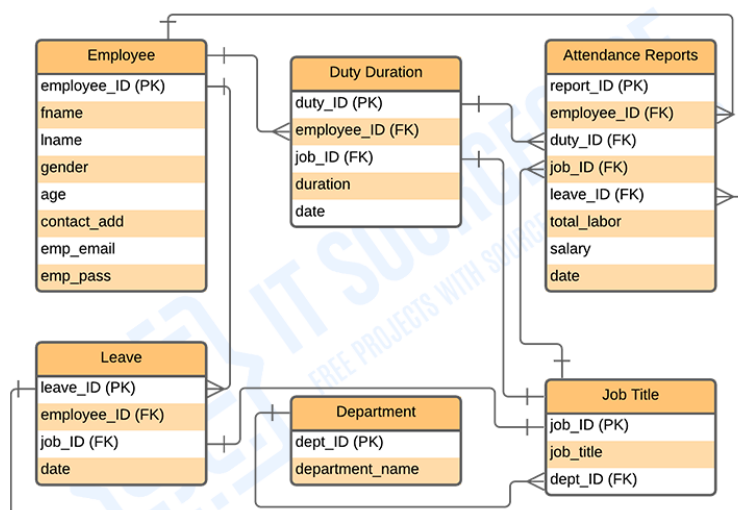
UML Diagrams of Employee Attendance Management System Project Documentation

Here are the essential UML Diagrams of the Employee Attendance Management System Project. Each of these UML diagrams has a role and function in developing Employee Attendance System.

Employee Attendance Management System ER Diagram

The **Employee Attendance Management System ER Diagram** shows the system's database design based on blood bank management requirements. The system can encode donors' and recipients' information. The admin can have access to the donor status and recipient information. They can handle the data needed in managing blood donation information as well as the request made by the possible recipients.
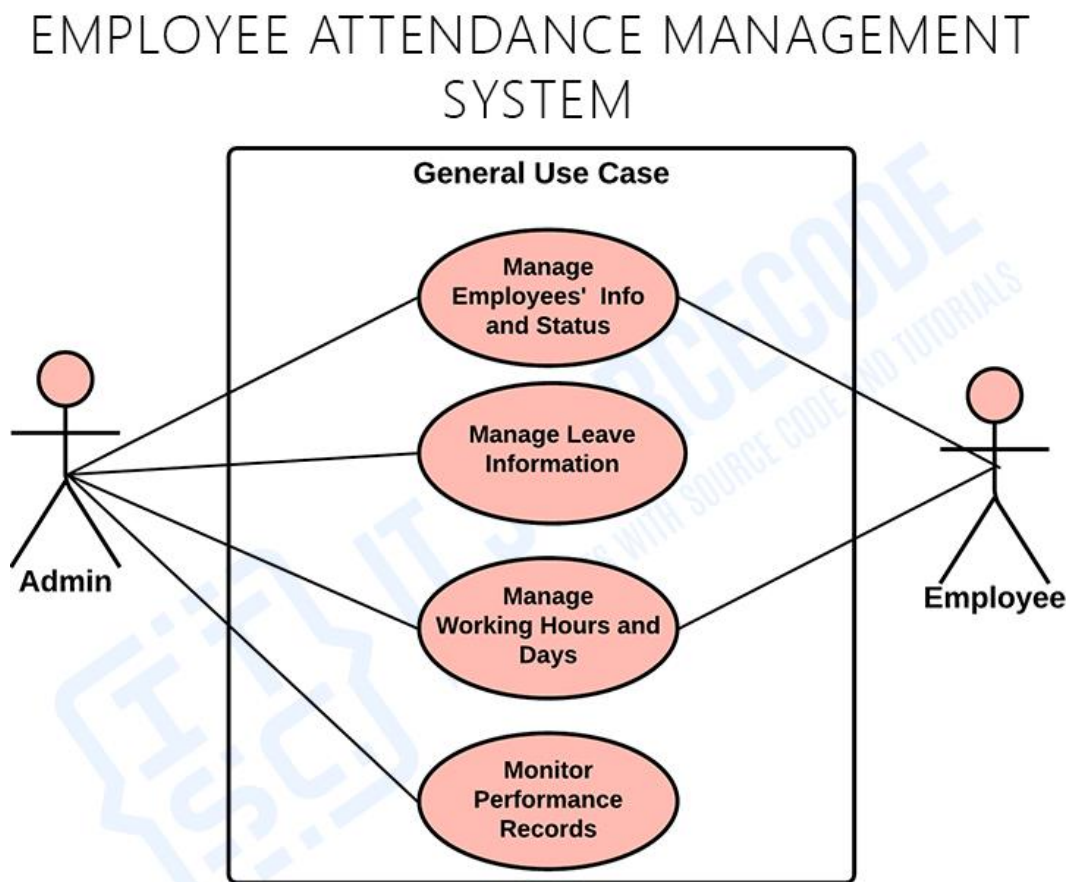

ENTITY RELATIONSHIP DIAGRAM
Employee Attendance Management System ER Diagram

The features included in the system ER diagram were the security and monitoring of the donors' information, and recipients' information status. These features were also listed and recorded in reports that served as the history of transactions done in the system

Employee Attendance Management System Use Case Diagram

The **employee attendance management system use case diagram** is a visual representation of how users will interact with the blood bank system. It depicts the system's numerous use cases and different sorts of users. The circles or ellipses are used to depict the use cases.

The general use case is the most general application of a use case diagram. The use case diagrams depict the system's main components as well as the flow of information between them.
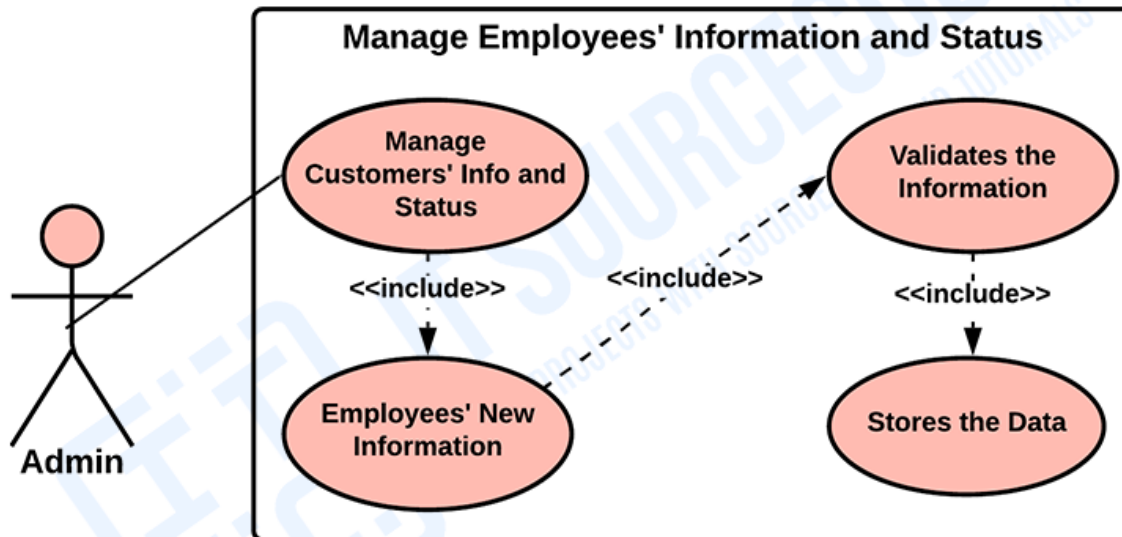

Employee Attendance Management System General Use Case Diagram

With the help of this general use case, the programmer will have the basis on what could be put into consideration in creating the employee management system. It also serves as the basis for more specific processes in the employee attendance management system.

Monitor and Manage Employees' Information and Status - This is where the admin of the system could manage and monitor their employee's Attendance and status. In this process, they were able to assign the field of work of their employee as well monitor their outputs and range of service.

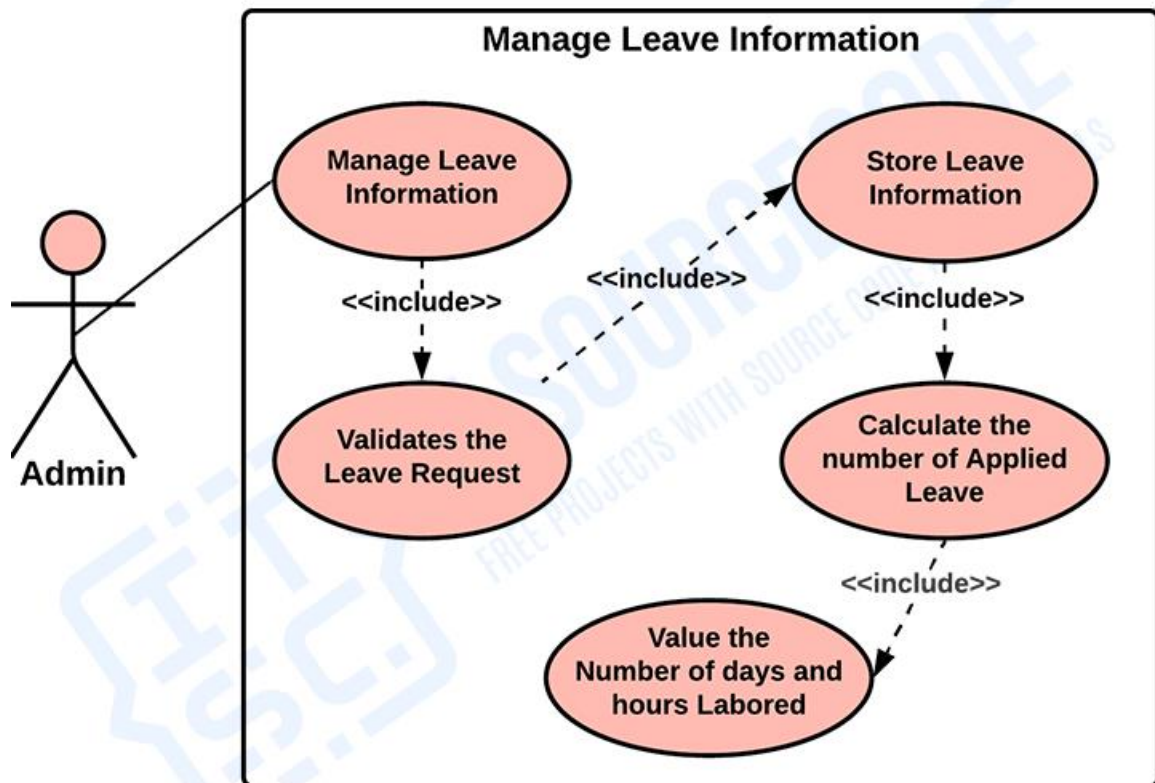# EMPLOYEE ATTENDANCE MANAGEMENT SYSTEM

USE CASE DIAGRAM

Manage Employees' Information and Status Use Case Diagram

Manage Leave Information - Its process includes the monitoring of the employee's leave information and securing the data. This will help the company admin to check the total number of employees who leave and to have their basis in calculating the salary for them.

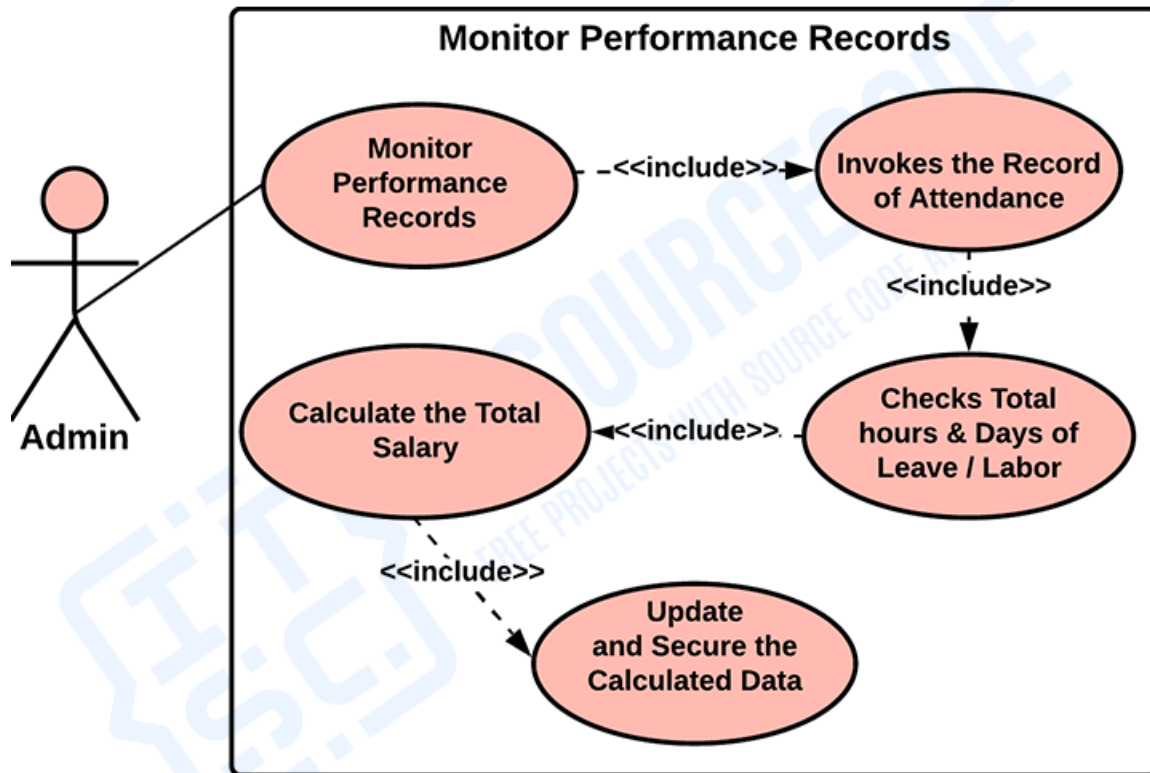# EMPLOYEE ATTENDANCE MANAGEMENT SYSTEM

USE CASE DIAGRAM

Manage Leave Information Use Case Diagram

Manage Working Hours and Days - This is the process where the admin can automatically have a record of the working days and hours because the system will generate and count the hours and days of work depending on the calendar. The admin can also customize it if they like to put any special day or set a holiday into a working holiday.
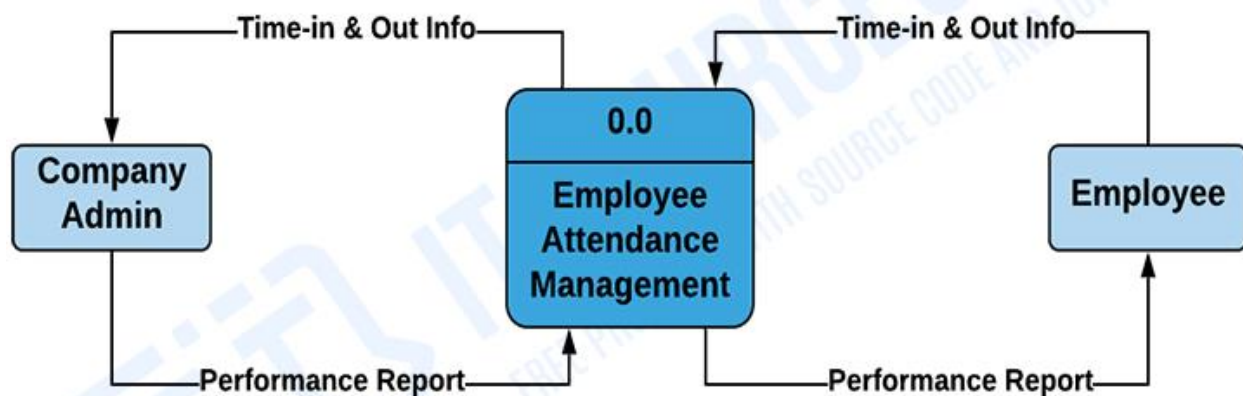

Manage Working Hours and Days Use Case Diagram

Employee Attendance Management System DFD

The **Employee Attendance Management System DFD** serves as a guide in creating a fully functional system. It will also help the programmers on what should be the flow of the data inside the Employee Attendance Management System through the help of diagrams and symbols. This DFD for Employee attendance Management must have Levels 0, 1, and 2.

Employee Attendance Management System DFD level 0 shows the general process done in Employee Attendance Management System monitoring. This will also serve as a guide as you go through the deeper processes of the Employee Attendance Management System data flow diagrams.
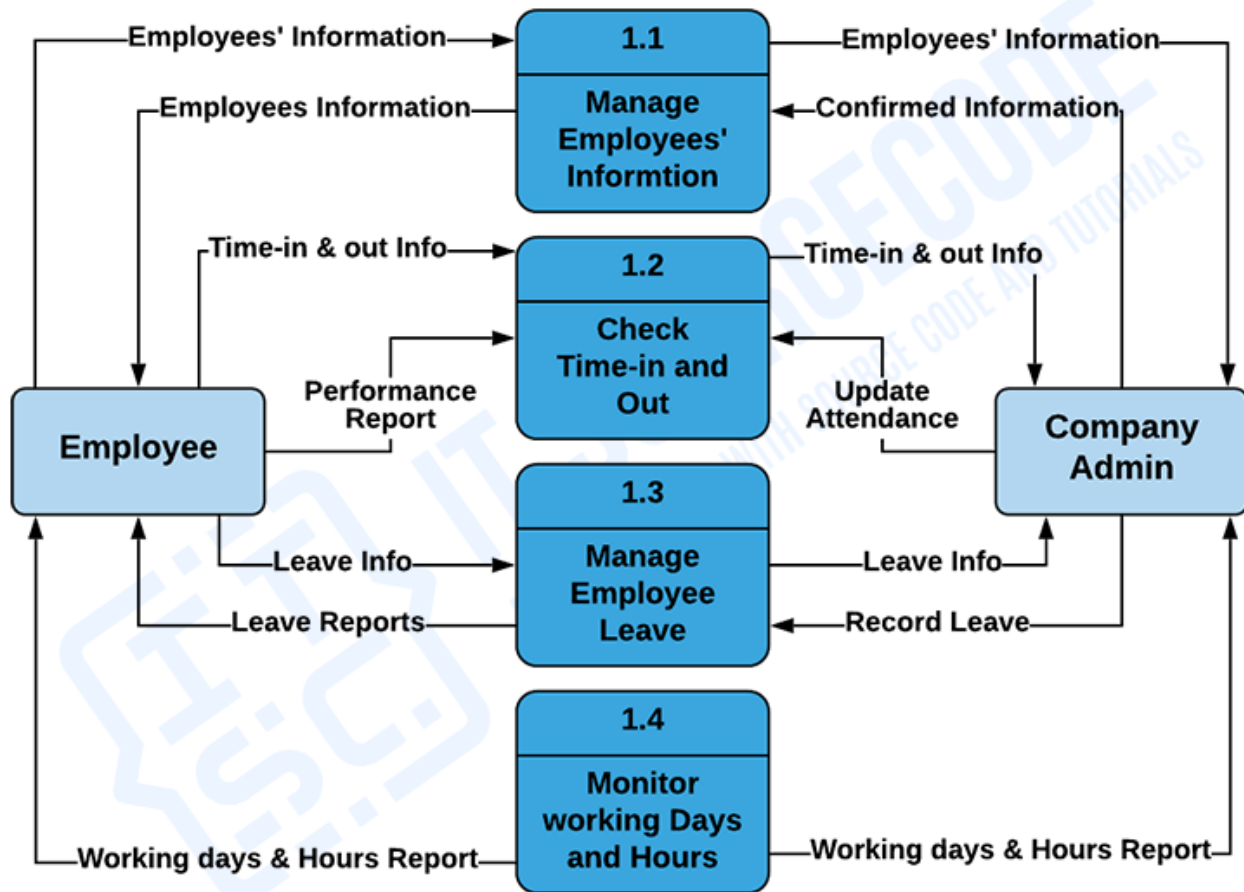

Employee Attendance Management System DFD level 0

Level 1 DFD for employee attendance management system shows the wider view of DFD level 0. It contains a broader concept of the project by showing the sub-processes on the main feature.
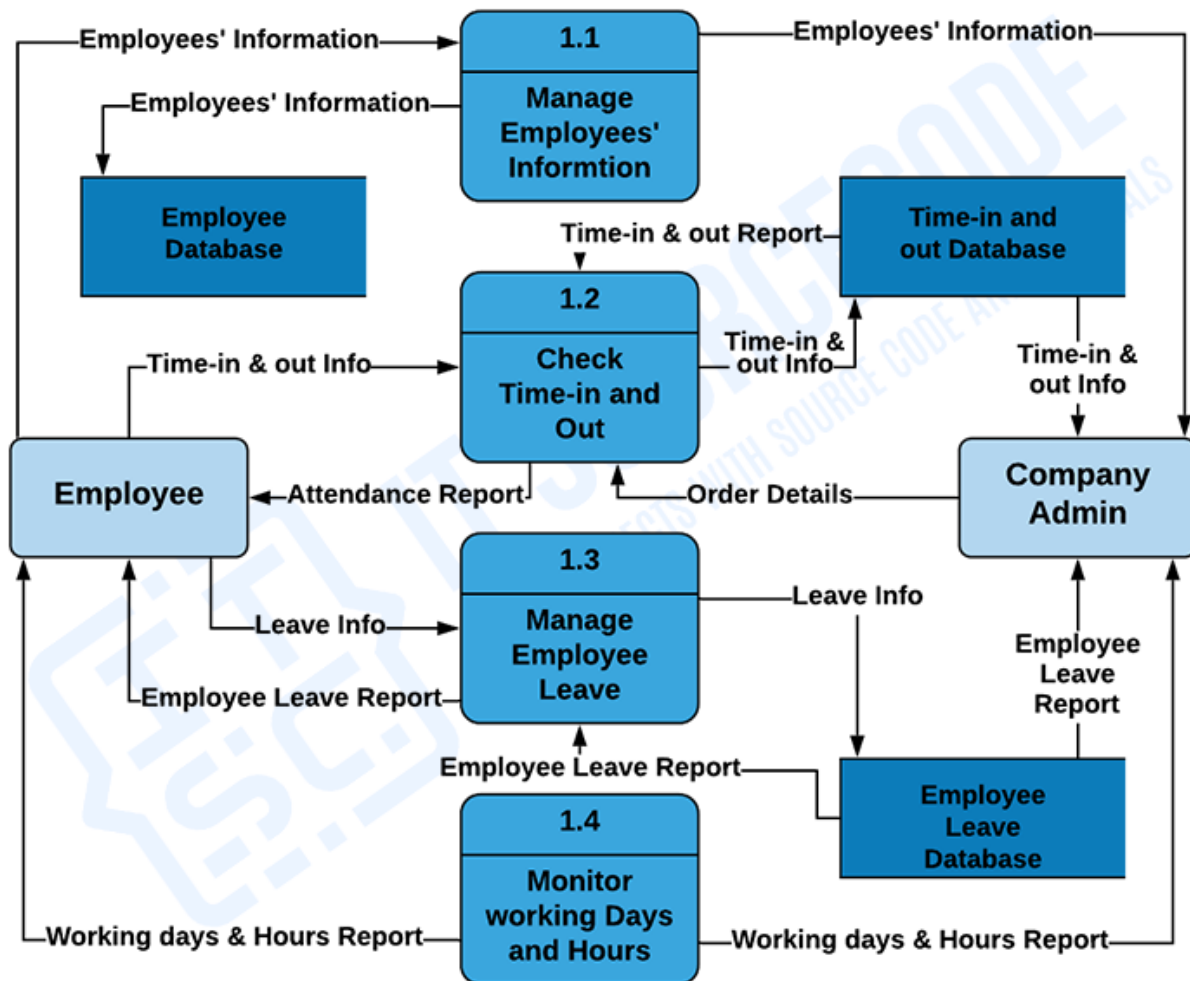

Level 1 DFD for Employee Attendance Management System

DFD Level 2 for Employee Attendance Management System completes the description of the system's data flow diagram. This diagram serves as the highest abstraction of DFD.

DFD Level 2 for Employee Attendance Management System