

# Data Flow Diagram for Employee Management System and its DFD Levels 0, 1 & 2

Time needed: 10 minutes.

Now here's the **Dataflow Diagram levels 0, 1 & 2 for Employee Management System** and the explanation of each levels.

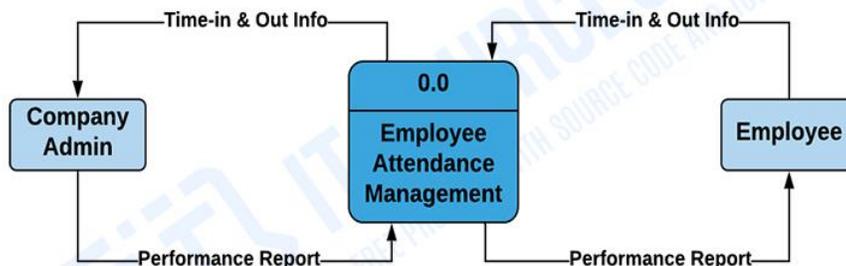
- **Employee Management System DFD Level 0**

To start with, let us familiarize what is Employee Management System DFD level 0.

The Employee Management System DFD level 0 is also known as context diagram. It's shows an abstract view of main processes included in Employee managing.

This DFD level 0 illustration of the Employee Management System depicts the overall structure as a single bubble. Then it will explain the processes as the dfd levels gets more specific. It also comes with incoming/outgoing indicators showing input and output data.

## EMPLOYEE MANAGEMENT SYSTEM



## DATA FLOW DIAGRAM LEVEL 0

In this data flow diagram you will see the general process done in Employee Management System . It will serve as a guide as you go through the deeper processes of the Employee Management System data flow diagrams.

As you see, when you build the levels of data flow diagrams, the connections of the transactions and data also broadens and gets more specific.

- **Employee Management System DFD Level 1**

Next to the context diagram is the level 1 data flow diagram.

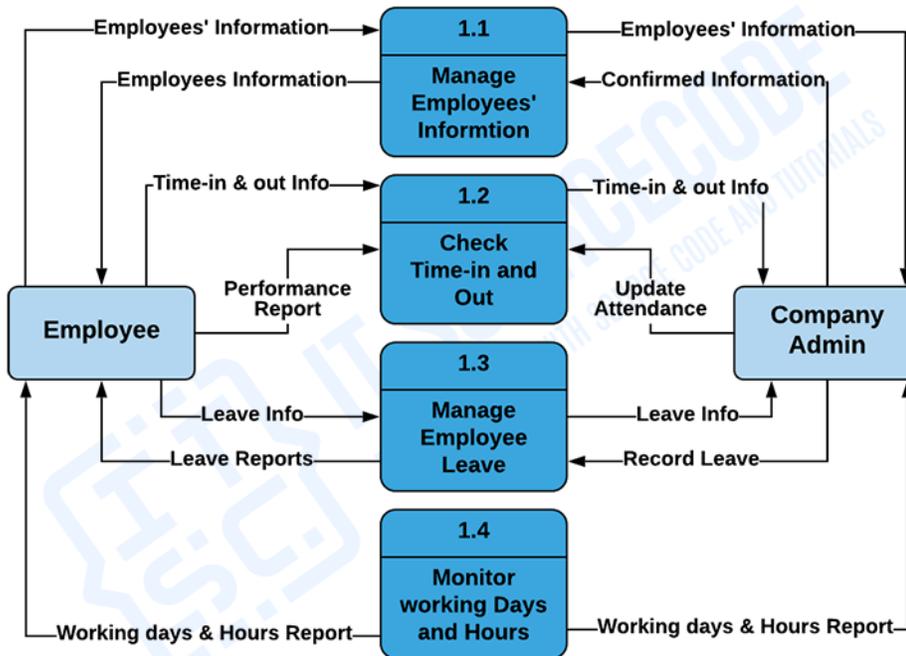
The content of Employee Management System DFD level 1 must be in accord from the idea of context diagram. Then the context diagram will be broken down into its sub processes which must display or reveal further processing information.

The following are essential data to accommodate:

- Employee Records
- Employee Information
- Time in Records
- Time out Records
- Leave Records
- Performance Report

These procedures require information such as record of employees, time-in and out, leave and performance reports from which served as the basis for the company admin to manage their Employees. These records are used in processes and were stored in the data store that you will see in the next level.

## EMPLOYEE MANAGEMENT SYSTEM



## DATA FLOW DIAGRAM LEVEL 1

With being knowledgeable about the DFD level 1 of the Employee Management System, you will know then its broaden context terms.

In addition to that, this level shows how the inputs or data fed on the system were processed. Then you will be also informed about the outputs that the system gives.

The processes shown in this DFD Level 1 were all based on the concept of the stated Employee management System Project.

- **Employee Management System Level 2**

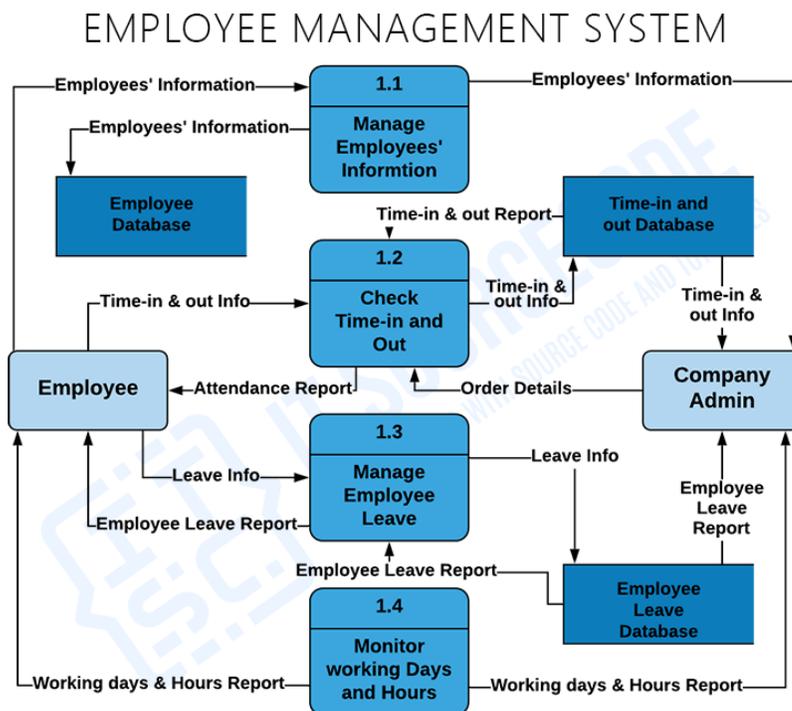
After presenting the Employee Management System DFD levels 0 and 1, next in line is the level 2.

Here's what you need to consider in creating data flow diagram level 2 for Employee Management System.

- DFD Level 2 should present the system basic component, database and flow of data between the processes in Employee Management.
- Since the DFD level 2 is the highest abstraction level, Employee Management System processes must be detailed that is continuation of the DFD level 1.

The Processes that the system should prioritize are as follows:

- Manage Employee Information
- Check Time-in and out
- Manage Employee Leave
- Monitor Working days and hours
- Record Employees' Monthly Performance



DATA FLOW DIAGRAM LEVEL 2

DFD level 2 let's you know the ideas on where does the data inputs goes and inputs comes within the Employee Management System. Considering the the dataflow levels mentioned above, you can determine well the importance of breaking the processes into more specific manner.

The presented level not only shows you the detailed processes of system, but also gives you precise destination of the data that flows in the system.

This DFD will also be your references as you make and design your own Employee Management System DFD levels 0, 1 and 2.