

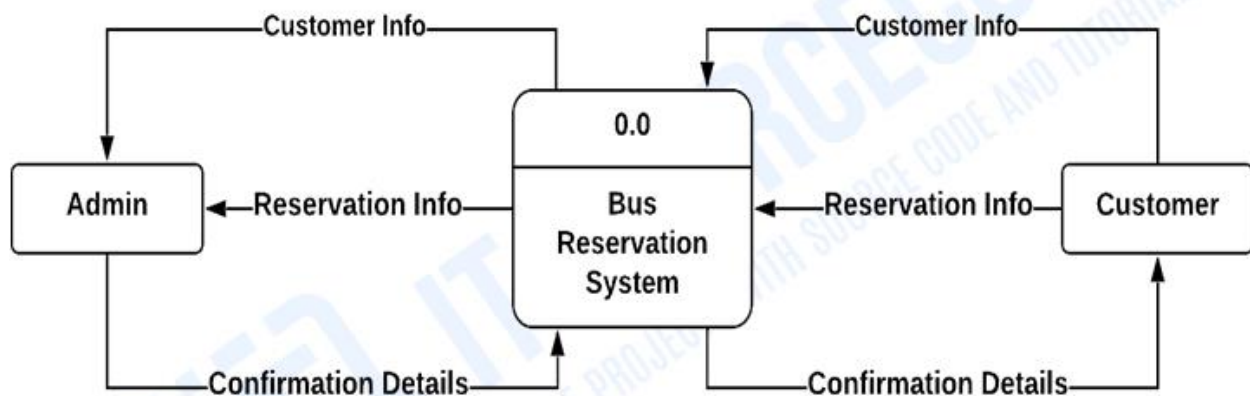
Bus Reservation System Data Flow Diagram (DFD)

A thorough explanation is provided for the example **data flow diagram for bus reservation system**. This example emphasizes the three **DFD levels (DFD Levels 0, 1, and 2)**.

0 Level DFD for Bus Reservation System

The **DFD Level 0 (context diagram)** purpose is to demonstrate the project concept using a single process.

DFD Level 0 shows the entities that interact with a system and defines the border between the system and its environment. This diagram also depicts the bus reservation system at a high level.



0 Level DFD for Bus Reservation System

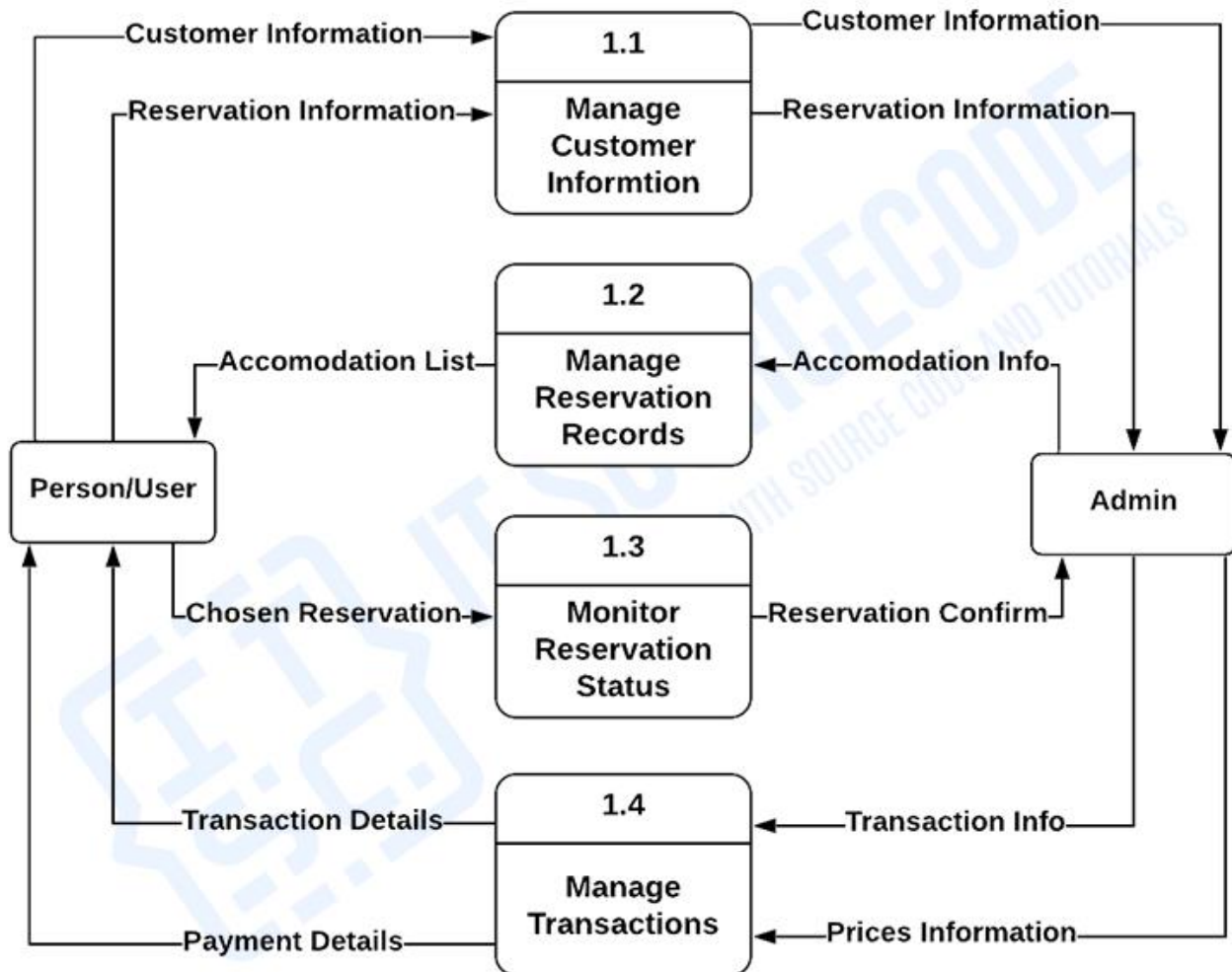
The illustration presents the main process in a single node to introduce the project context. This context explains how the project works in just one look. The user feeds data into the system and then receives the output from it.

In addition to this, you will perceive through the diagram that there is already the presence of data flow. Though the process is very general, the flow of data is clear. Nevertheless, just modify this diagram to meet the other requirements and include other matters regarding bus reservation management.

Level 1 DFD for Bus Reservation System

The “detonated view” of the context diagram is **Bus Reservation System DFD Level 1**. Its function is to deepen the concept derive from the context diagram.

Level 1 DFD clarifies the paths (flow) of data and its transformation from input to output.



Level 1 DFD for Bus Reservation System

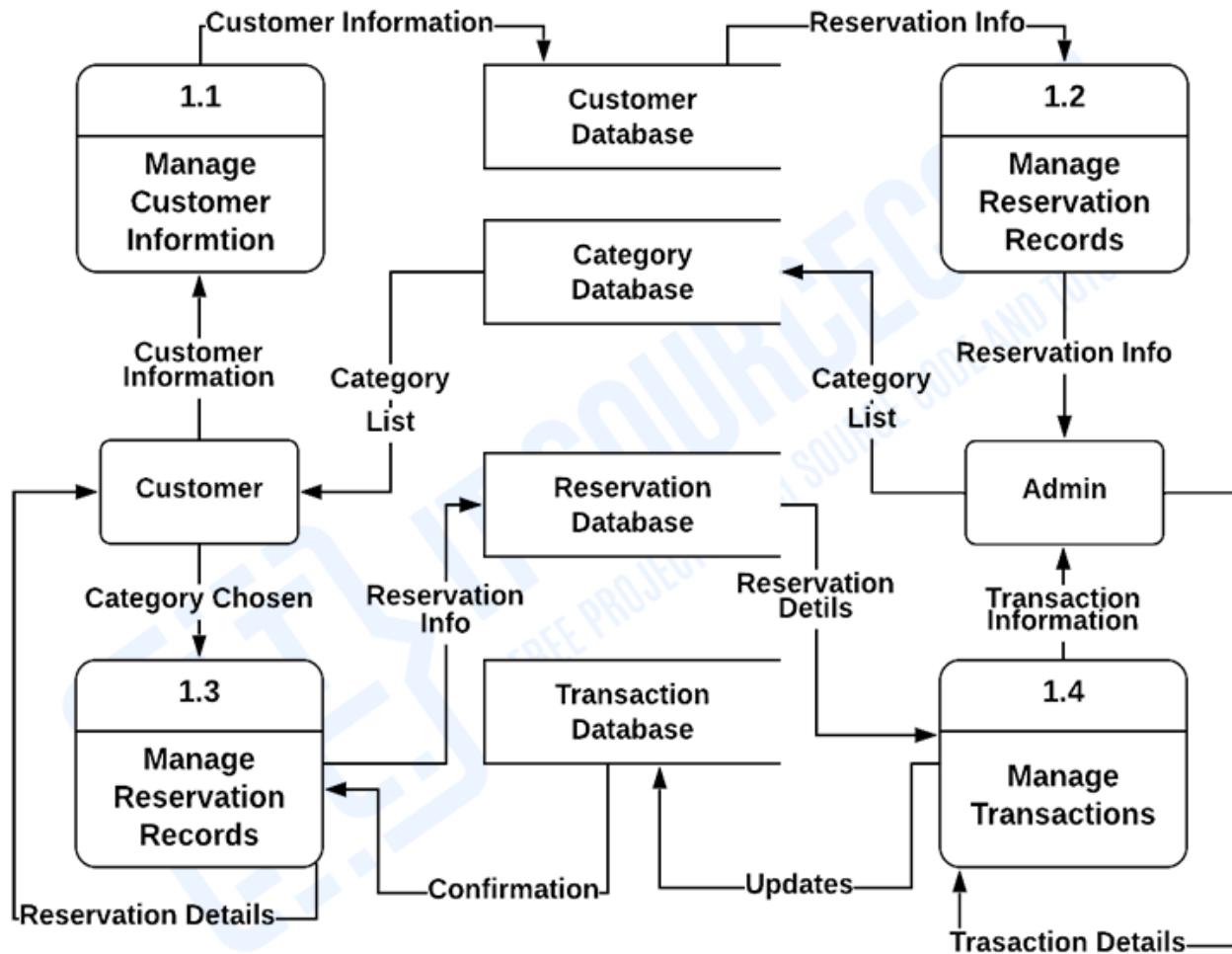
The designed diagram portrays four different scenarios. customer information management, order or reservation management, scheduling of deliveries, and transaction and payments management.

Firstly, the flow of data starts from the restaurant admin or owners and customers. Then the system caters to the transaction. This idea was based on bus reservation processes or transactions.

You can also see the data store used or the database. The database is also used in storing users' data inputs. Then it serves as the source of outputs.

Level 2 DFD for Bus Reservation System

Bus Reservation System DFD Level 2 is also the highest abstraction of the data flow diagram. This level also broadens the idea from the DFD level 1. It includes the sub-processes from level 1 as well as the data that flows.



Level 2 DFD for Bus Reservation System

However, not all of the processes in the project must have sub-processes. Only provide this diagram if needed. As long as your previous diagrams were clear and precise, this level is not required.