

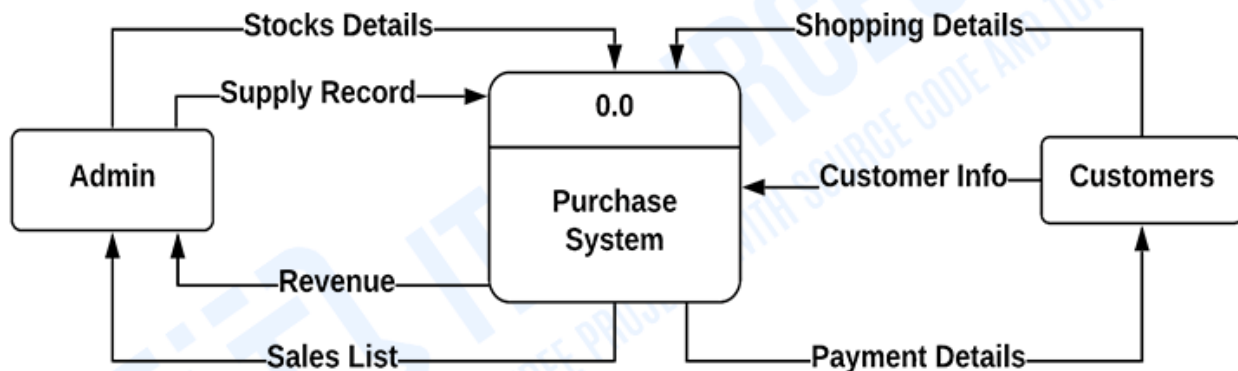
Purchase Management System Data Flow Diagram (DFD)

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

Purchase Management System DFD Level 0

The context diagram is an alternative name for the **Level 0 DFD Diagram for Purchase Management System**. Users, the main process, and data flow make up its parts. Also, the project concept is demonstrated using the single process visualization.

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 purchase management system at a high level.



Purchase Management System DFD Level 0

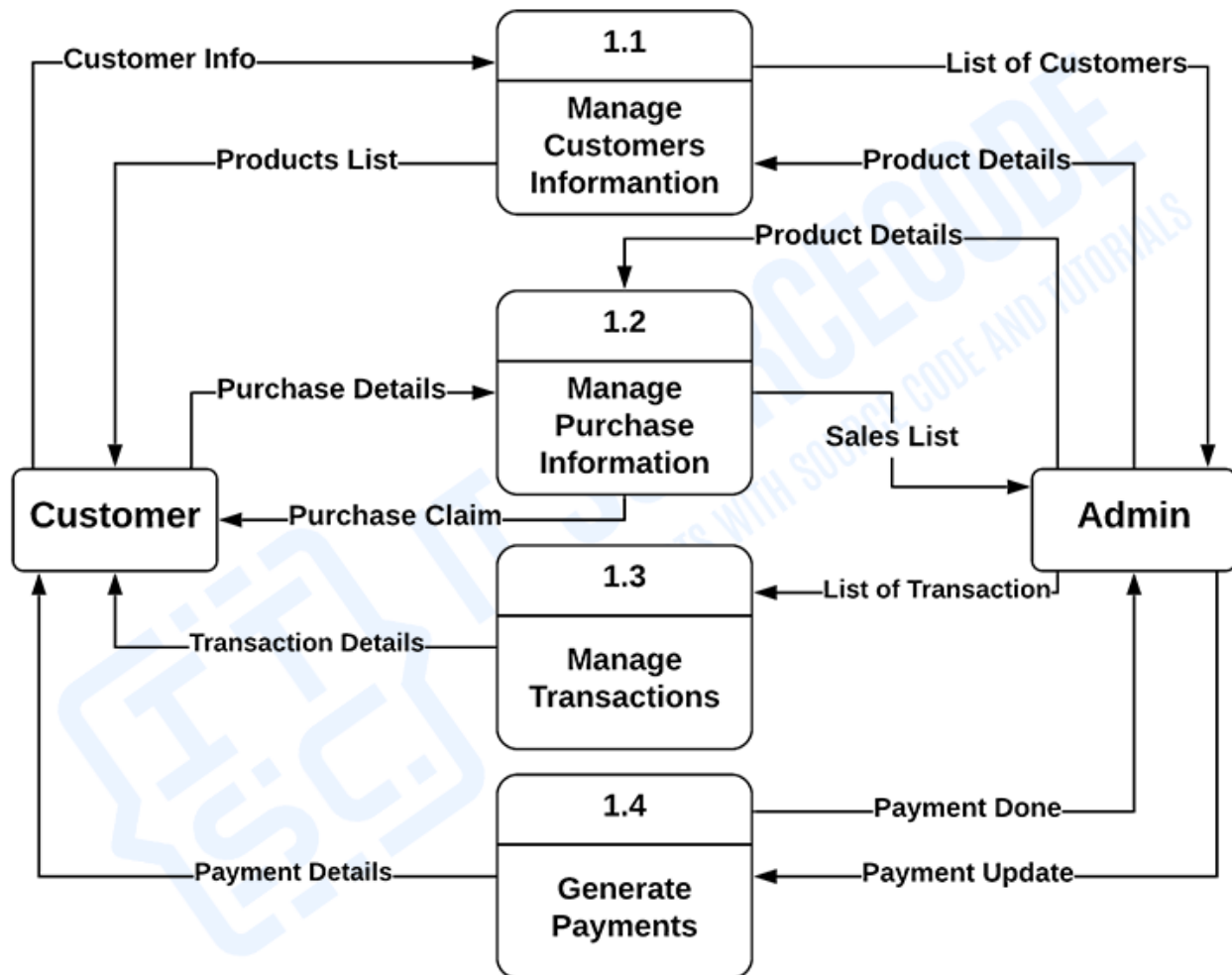
The illustration presents the main process in a single node to introduce the project context. This context explains how the project works in just one look. The user feeds data into the system and then receives the output from it.

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 purchase management.

Level 1 DFD for Purchase Management System

"detonated view" of the context diagram is **Purchase Management System DFD Level 1**. Its function is to deepen the concept derive from the context diagram.

Specifically, level 1 shows the broader details of Purchase Management System DFD Level 0. This is to clarify the paths (flow) of data and its transformation from input to output.



Level 1 DFD for Purchase Management System

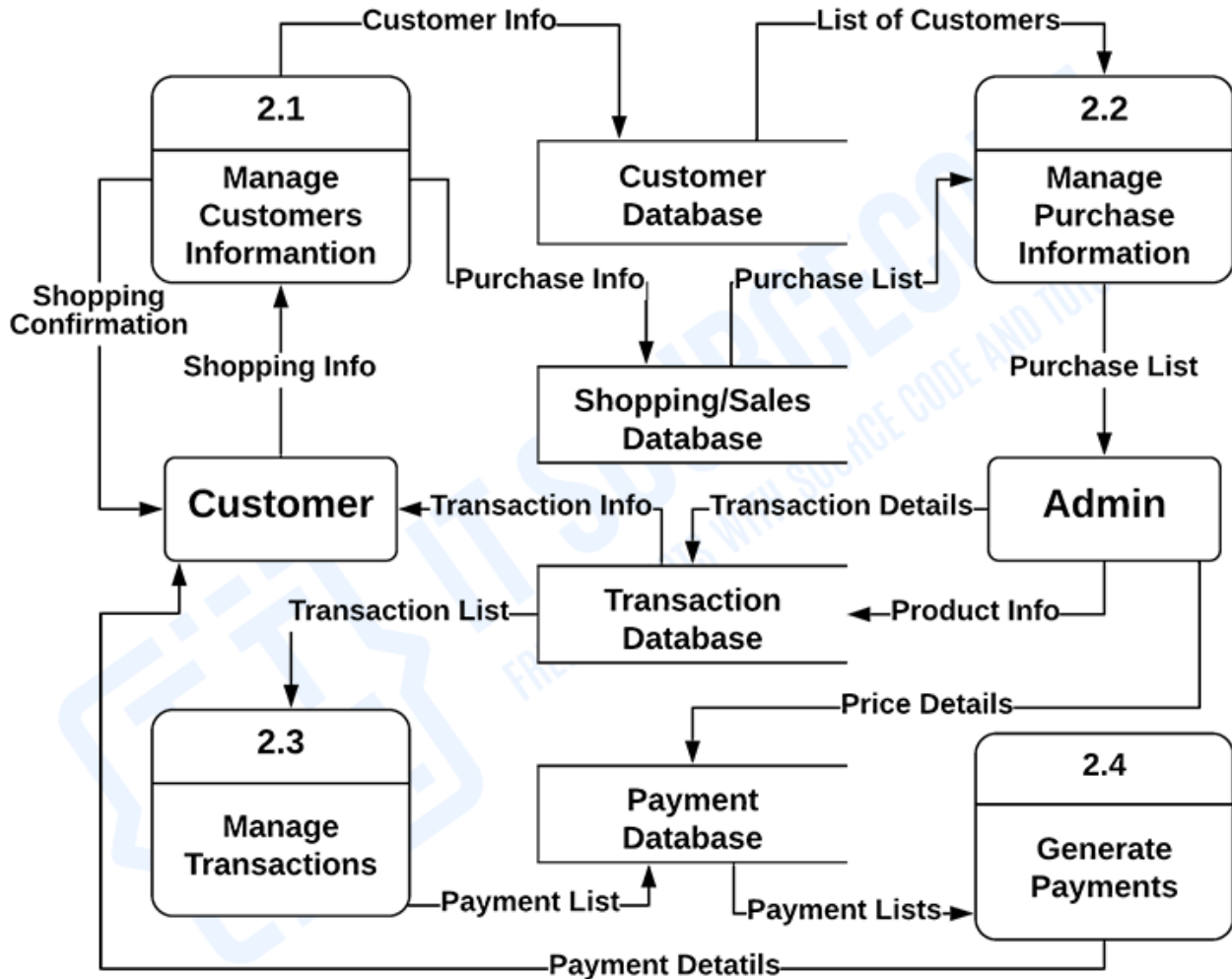
The designed diagram portrays three different scenarios: customer information management, purchase information management, transaction management, and generating payments.

Firstly, the flow of data starts from the system admin, sellers, and buyers. Then the system caters to the transaction. This idea was based on purchasing 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.

DFD Level 2 for Purchase Management System

Level 2 DFD for Purchase Management System 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.



DFD Level 2 for Purchase Management 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.

You can add more to this and it is up to you how will you create your data flow diagram. Also, consider the data flow included and be precise with your information.