

# Online Shopping System Component Diagram

## Component Diagram of Online Shopping Description

Customers can buy goods or services from a seller over the Internet using a web browser or an app on their phone. An online shopping system is a type of electronic commerce (software) that lets them do this.

Additionally, an online shopping system is used to process or purchase goods and services from internet-based retailers. It is a method of providing individuals (particularly customers) with the opportunity to purchase goods and services directly from the seller in a real-time environment.

Shopping cart software is an e-commerce application that runs on a web server and allows site users to select items for purchase. Customers who purchase online can use the software to construct a wish list of items they want to acquire.

These statements were collected as the information concepts in developing the component diagram. The concept formulated will be applied to the component diagram illustration.

## What is Online Shopping System Component Diagram in UML?

A component diagram in the (UML) Unified Modeling Language shows how parts are wired together to make bigger parts or software systems. They are used to show the structure of any kind of system.

The UML component diagram shows how an online shopping system will be made up of a set of deployable components, such as dynamic-link library (DLL) files, executable files, or web services. Using well-defined interfaces, these parts communicate with each other and keep their internal details hidden from each other and the outside world.

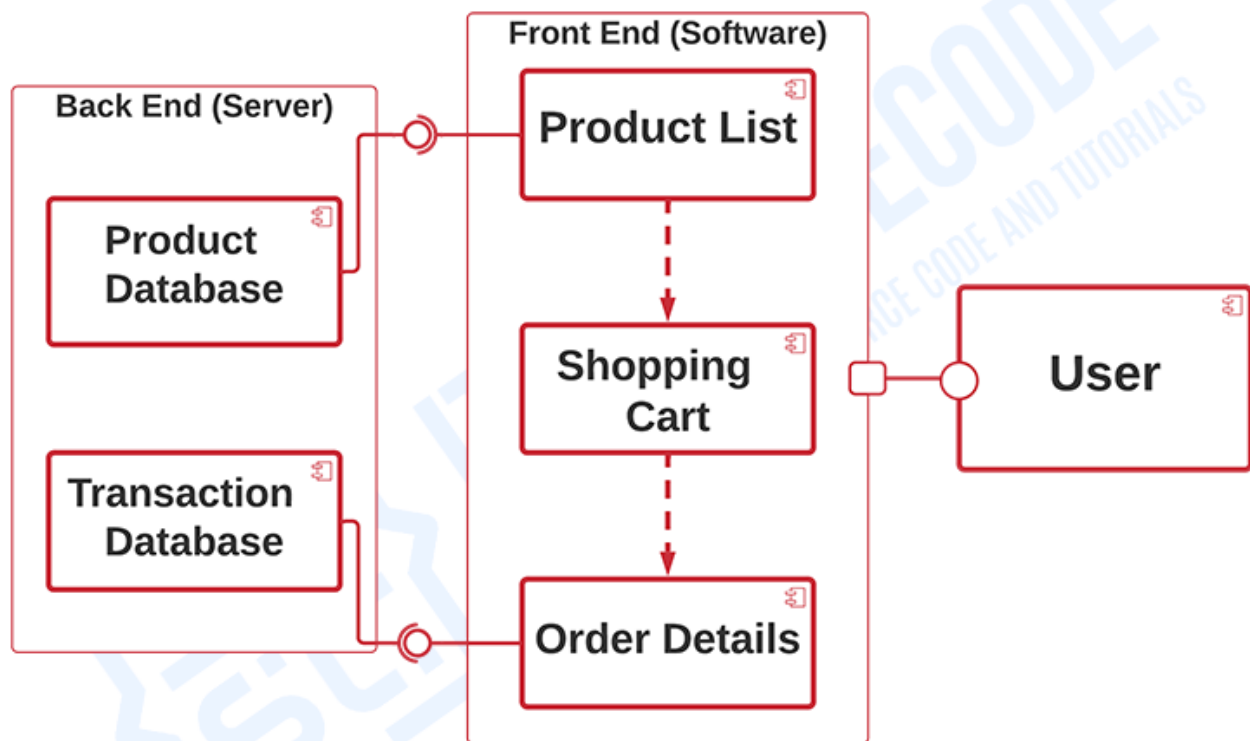
## Characteristics of Component Diagram:

- In component-based development, they are used to describe systems that have a service-oriented architecture.
- Shows how the code itself looks.
- It can be used to focus on the relationship between the parts while hiding the specifics.
- Help stakeholders understand how the system being built works and how it will be used.

# The Component Diagram of Online Shopping System

This **component diagram of online shopping system** is the illustration of the components of every hardware and software node. The component diagram below is a detailed illustration of the [Deployment Diagram for Online Shopping System](#).

## ONLINE SHOPPING SYSTEM



## COMPONENT DIAGRAM

*UML Component Diagram for Online Shopping System*

This component diagram shows the structure of the online shopping system, which consists of the software components and their interfaces, and how they work together. You can use component diagrams to show how software systems work at a high level, or you can use them to show how each component works at a lower level, like in a package.

# Online Shopping System Component Diagram (Explanation)

The **Online Shopping System UML component diagram** explains the sketch of the required software and hardware components and the dependencies between them. These components are labeled to clarify their part in the system's operation. They were represented by symbols that explain their function and role in the overall online shopping operation.

The component diagram of online shopping system has 6 components which are the product database, transaction database, product list, shopping cart, order details, and the user. The component product list is the required interface which is dependent on the provided component Product database. The component transaction database is also dependent to order details.

The dependencies on each component are explained through the lines and arrows drawn in the diagram. The user or the customer will start to access the front-end part of the system (web or app). From then the user will see the products available for order. The activity goes on until the user's request completes.