

Online Shopping Cart Component Diagram

The UML **component diagram for online shopping cart** is used to show how the parts of the card processing system work together to make the system operate correctly. This diagram visualizes the software's parts, how are they organized, and how they depend on each other. This gives a high-level look at the parts of a system.

The components of online shopping cart component diagram could be a part of software or hardware. They could be a database, a user interface, or something else that helps the processing system work.

What is the Purpose of Online Shopping Cart?

[Shopping cart software](#) is part or equal to an e-commerce software that runs on a web server and allows visitors to an Internet site to choose things for purchase. Customers who shop online can create a wish list of products to buy using the software. Its goal is to aid online merchants with big client records by providing at least a simplified self-service option.

The entire purchasing process is automated with a [shopping cart system](#). This statement explains that there is less work for online sellers and a simple transaction for online customers using a shopping cart. Sellers can save time, and money, and keep the customers happy by delegating the task to the shopping cart.

What is the Online Shopping Cart Component Diagram in UML?

A component diagram in the (UML) Unified Modeling Language shows how parts are wired together to explain the parts of the online shopping cart. They are used to show the structure of any kind of system.

The UML component diagram shows how the card processing system comprises 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.

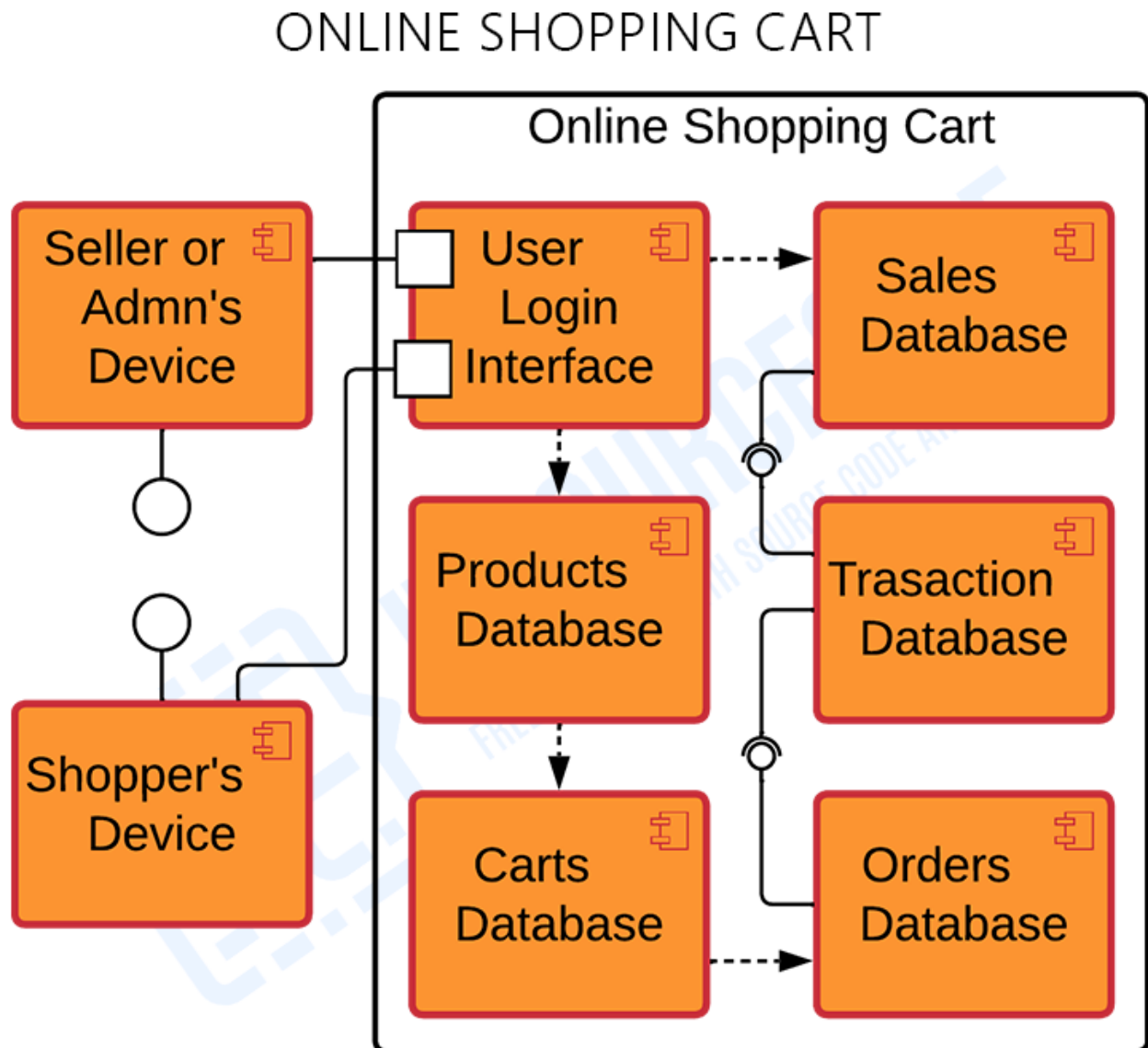
Benefits of using Component Diagram

As complicated as it looks, the component diagram is very important when you're building your system because it shows how everything works together. Here are the benefits of designing the online shopping cart component diagram:

- Imagine how the system looks in real life.
- Pay attention to the system's parts and how they work together.
- Pay attention to how the service behaves when it comes to the interface.

The Component Diagram for Online Shopping Cart

This **component diagram of online shopping cart** is the illustration of the components of every hardware and software node. The component diagram below is a detailed illustration of online shopping cart using UML diagrams model.



COMPONENT DIAGRAM

UML Component Diagram for Online Shopping Cart

This component diagram shows the structure of the shopping cart, which consists of the software components and their interfaces, user device, and the database. Their dependencies explain how they work together. You can use a component diagram 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 Cart Component Diagram (Explanation)

The **Online Shopping Cart 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 processing system operation.

The system's component diagram has 8 components. Each of these components has its part in the online shopping cart. The system's components were the sellers and/or admin's device, shopper's device, user login interface, product database, carts database, sales database, orders database and transaction database.

This diagram shows several interfaces that are provided and required. The dependencies on each component are explained through the lines and arrows drawn in the diagram. The required and provided interfaces were declared by the line that has a circle with a semi-circle head.