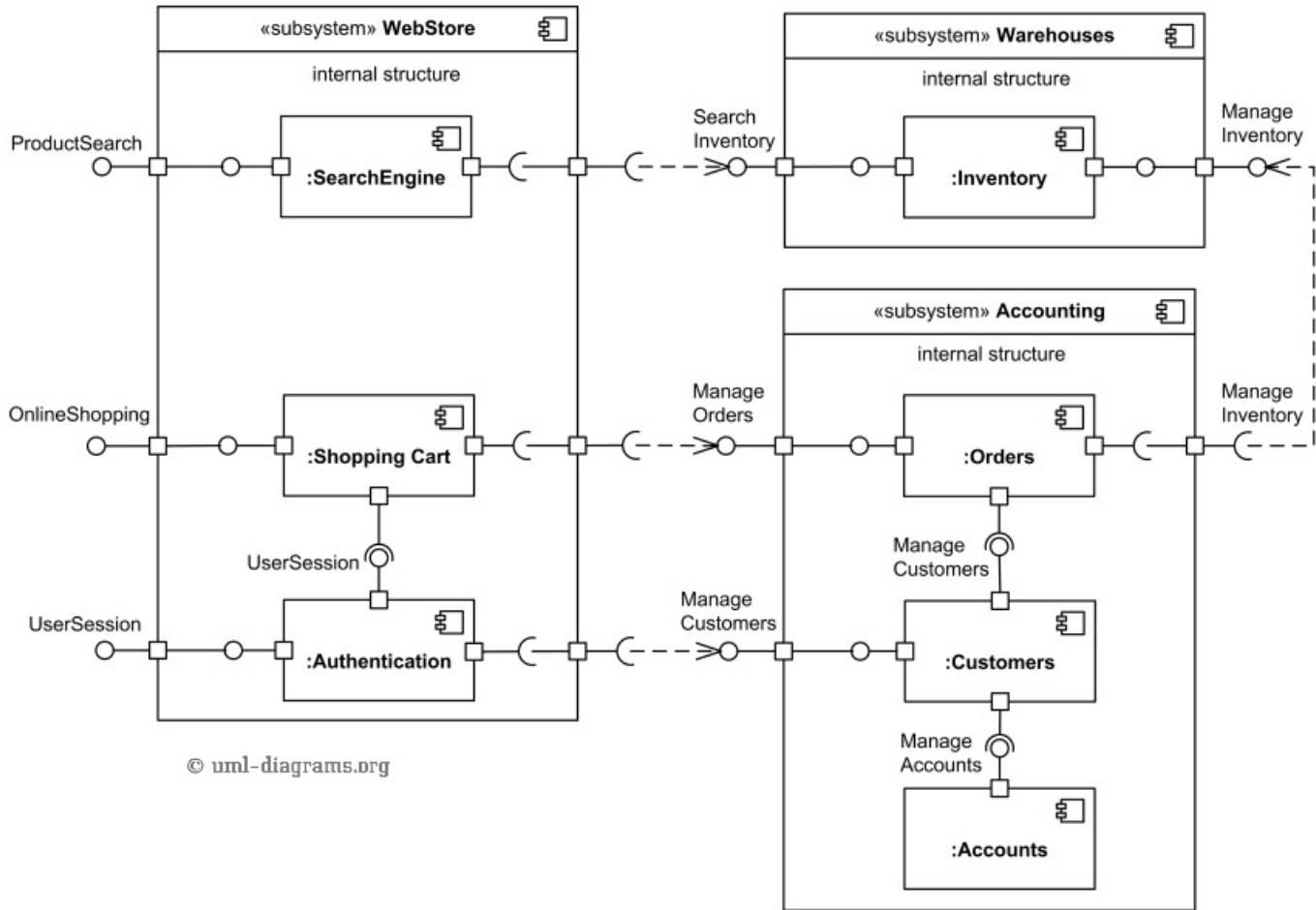


# Online Shopping

## UML Component Diagram Example

An example of UML 2.5 **component diagram** for online shopping. The diagram shows "white-box" view of the internal structure of three related **subsystems** - WebStore, Warehouses, and Accounting. In UML «Subsystem» is a standard component stereotype for larger **components**, usually containing some smaller components.



Online shopping UML component diagram example with three related subsystems - WebStore, Warehouses, and Accounting.

**WebStore** subsystem contains three components related to online shopping - **Search Engine**, **Shopping Cart**, and **Authentication**. **Search Engine** component allows to search or browse items by exposing **provided interface Product Search** and uses **required interface Search Inventory** provided by **Inventory** component. **Shopping Cart** component uses **Manage Orders** interface provided by **Orders** component during checkout. **Authentication** component allows customers to create account, login, or logout and binds customer to some account.

**Accounting** subsystem provides two interfaces - **Manage Orders** and **Manage Customers**. **Delegation connectors** link these external contracts of the subsystem to the realization of the contracts by **Orders** and **Customers** components.

**Warehouses** subsystem provides two interfaces **Search Inventory** and **Manage Inventory** used by other subsystems and wired through **dependencies**.

Noticed a spelling error? Select the text using the mouse and press Ctrl + Enter.

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