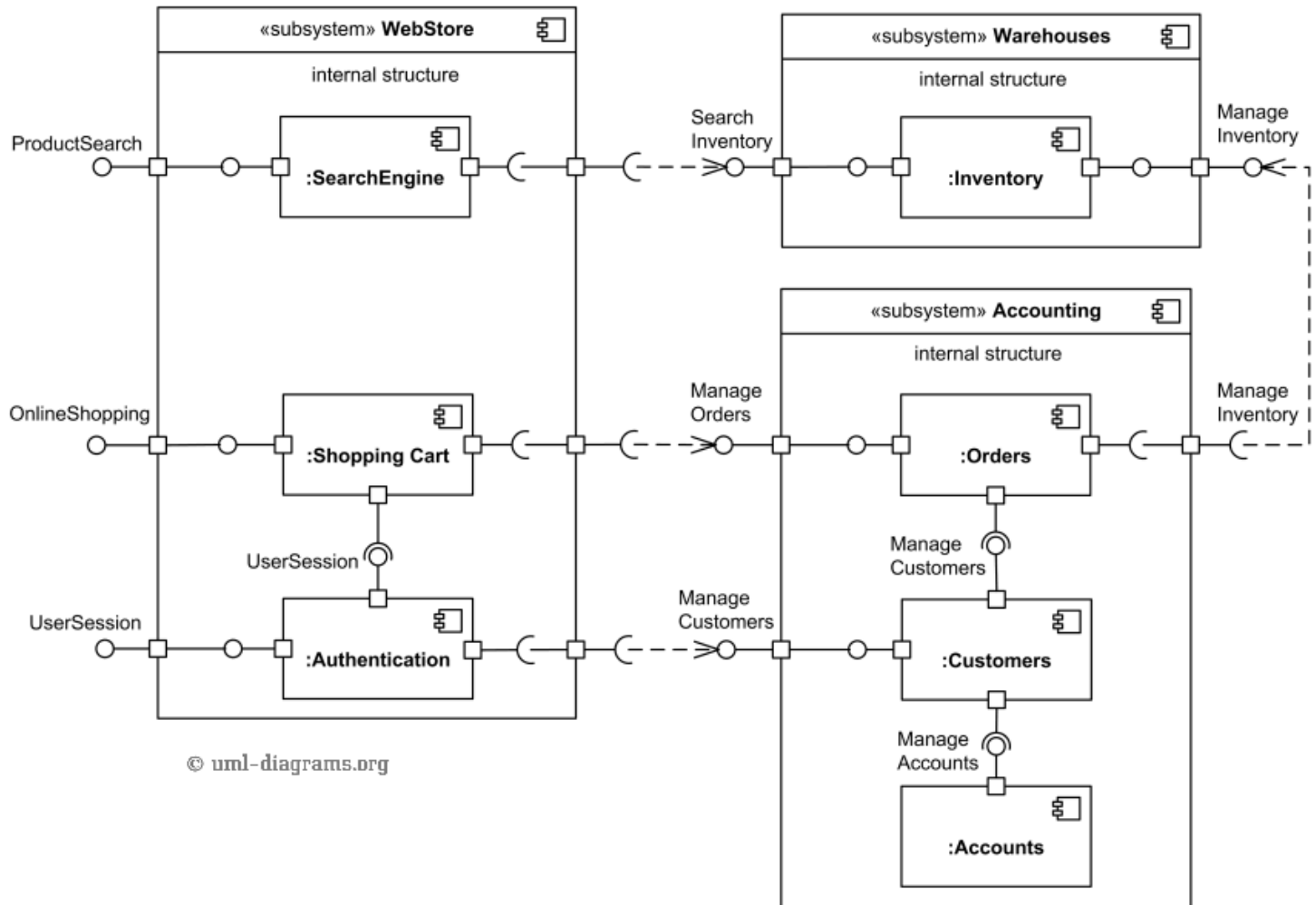


Online Shopping

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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This document describes **UML 2.5** and is based on **OMG™ Unified Modeling Language™ (OMG UML®) 2.5** specification **[UML 2.5 FTF - Beta 1]**.

All UML diagrams were created in **Microsoft Visio** 2007-2016 using **UML 2.2 stencils**. You can send your comments and suggestions to [webmaster](mailto:webmaster@uml-diagrams.org) at webmaster@uml-diagrams.org.

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Farhad Ahmad • 14 days ago

Hi, this is outstanding. But circle, half circle, square is important at the component diagram.

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