

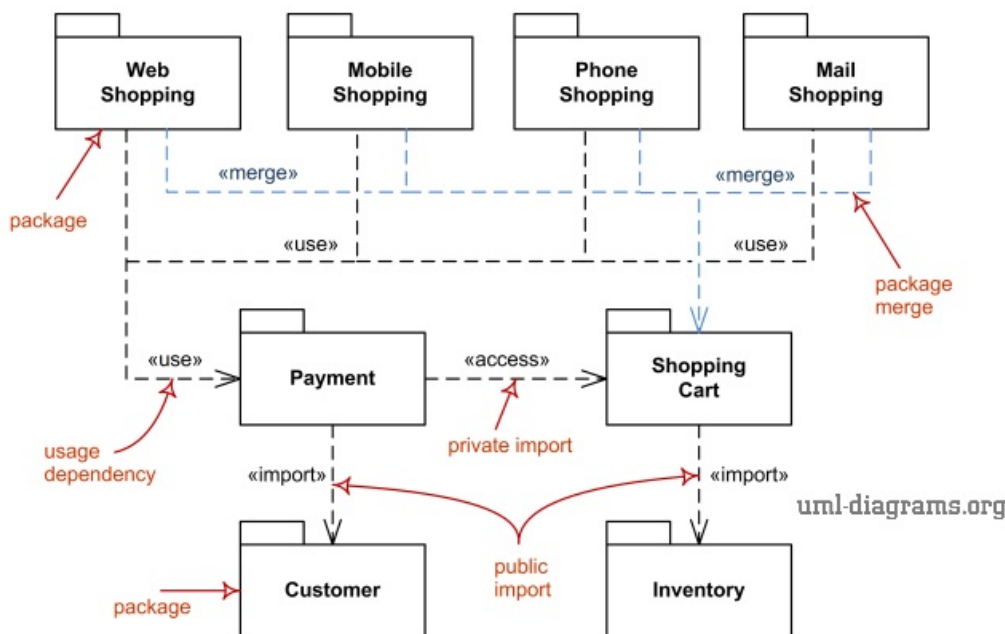
# UML Package Diagrams Overview

**Package diagram** is UML **structure diagram** which shows structure of the designed system at the level of **packages**. The following elements are typically drawn in a package diagram: **package**, **packageable element**, **dependency**, **element import**, **package import**, **package merge**.

**Model diagram** is UML auxiliary **structure diagram** which shows some abstraction or specific view of a system, to describe architectural, logical or behavioral aspects of the system. It could show, for example, architecture of a multi-layered (aka multi-tiered) application - **multi-layered application model**.

## Package Diagram

Some major elements of the package diagram are shown on the drawing below. Web Shopping, Mobile Shopping, Phone Shopping, and Mail Shopping **packages merge** Shopping Cart package. The same 4 packages **use** Payment package. Both Payment and Shopping Cart packages **import** other packages.

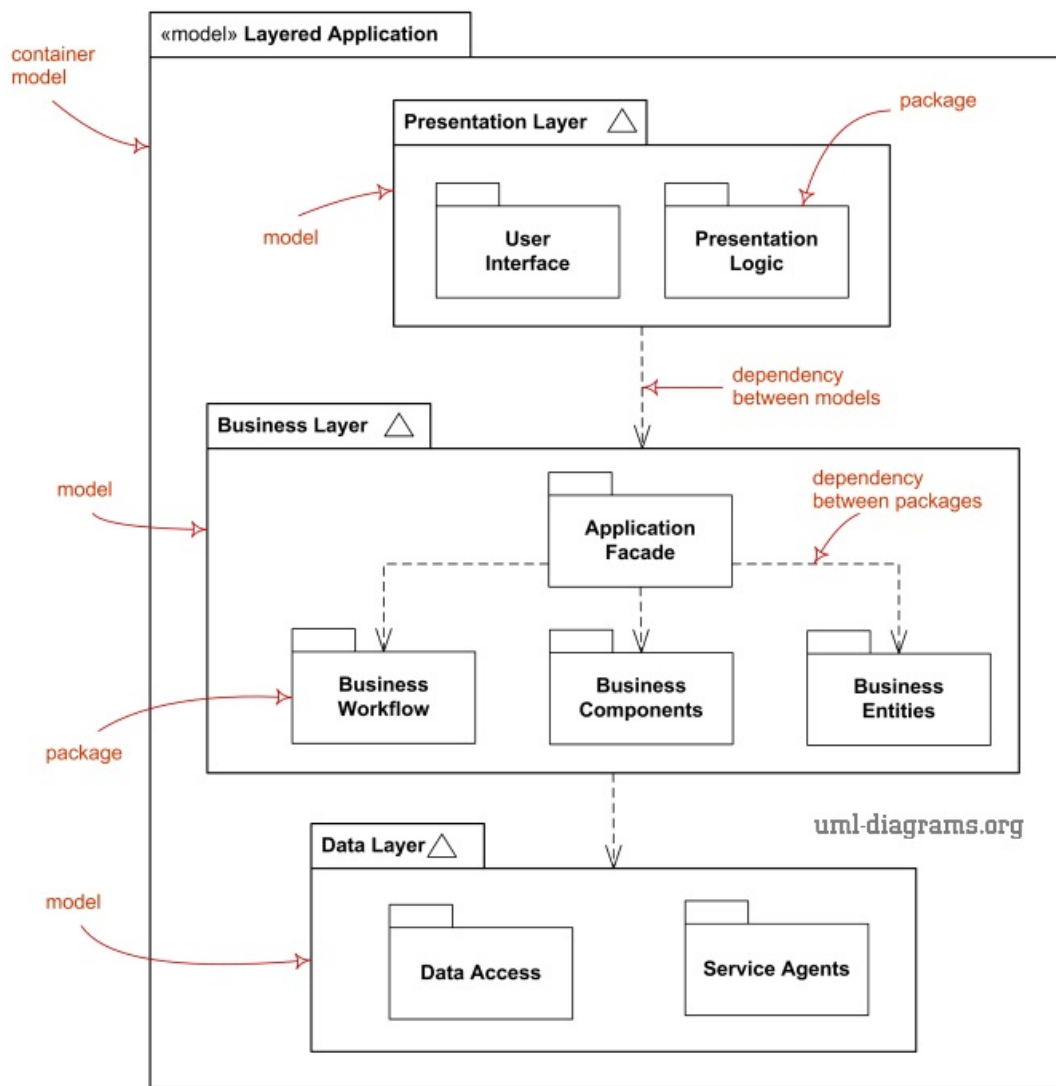


*UML package diagram elements - package, import, access, use, merge.*

## Model Diagram

**Model diagram** is UML auxiliary **structure diagram** which shows some abstraction or specific view of a system, to describe some architectural, logical or behavioral aspects of the system.

The drawing below shows some major elements of the model diagram. Layered Application is a **"container" model** which contains three other **models** - Presentation Layer, Business Layer, and Data Layer. There are **dependencies** defined between these contained models.



*UML model diagram elements - model, package, dependency.*

Models usually contain **packages**. Packages could have **dependencies** or other relationships, e.g. **import**, defined between them.

You can find some **examples of package diagrams** here:

- **Multi-Layered Application Model**
- **Multi-Layered Web Architecture**
- **Java Servlet 2.5 API**
- **Java Servlet 3.0 API**
- **Spring and Hibernate DAO Classes**

➡ [Package](#)

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



This document describes UML versions up to **UML 2.5** and is based on the corresponding **OMG™ Unified Modeling Language™ (OMG UML®)** specifications. UML diagrams were created in **Microsoft® Visio®** 2007-2016 using **UML 2.x Visio Stencils**. **Lucidchart** is a nice, free UML tool that I recommend for students.

You can send your comments and suggestions to [webmaster](mailto:webmaster@uml-diagrams.org) at [webmaster@uml-diagrams.org](mailto:webmaster@uml-diagrams.org).

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