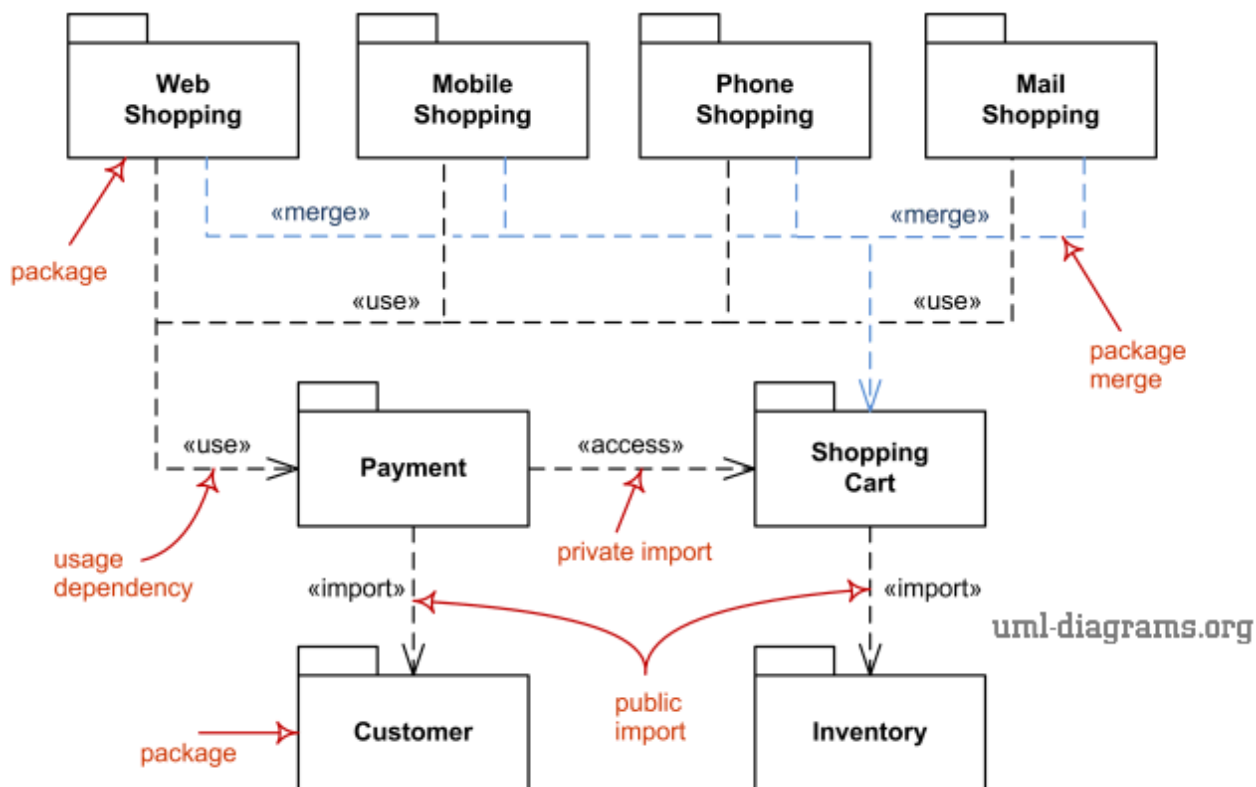# UML Package Diagrams Overview

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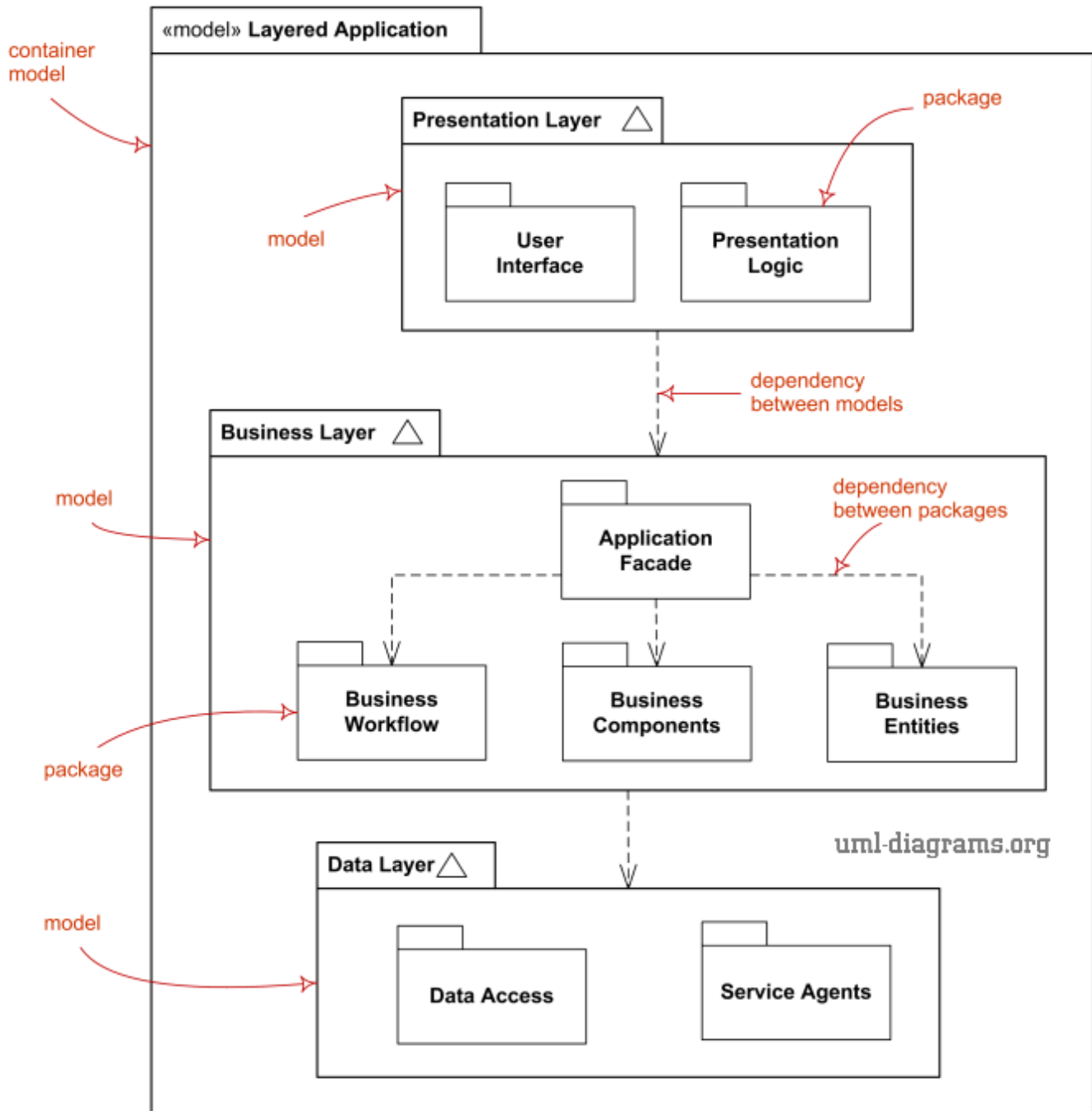
UML package diagram elements - package, import, access, use, merge.

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.

by Kirill Fakhroutdinov.

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**.
You can send your comments and suggestions to webmaster at **webmaster@uml-diagrams.org**.

ALSO ON UML DIAGRAMS

customer can browse or search items, view …	An example of UML use case diagram for a …	An example of use diagram for an air
7 years ago • 14 comments	7 years ago • 6 comments	7 years ago • 15 comment
Online shopping UML activity diagram example - customer can browse or search items, …	An example of UML use case diagram for a restaurant - Customer wants to Have …	An example of use case diagram for an airport and security screening

0 Comments   **UML Diagrams**   🔒 **Privacy Policy**   1 **Login**

♡ **Recommend** 147   🐦 **Tweet**   f **Share**   Sort by Newest ▾

Start the discussion…

Be the first to comment.