UML Diagrams Examples

Examples by Technology or Application Domain

Online shopping UML diagrams
Ticket vending machine UML diagrams
Bank ATM UML diagrams
Hospital management UML diagrams
Digital imaging and communications in medicine (DICOM) UML diagrams
Java technology UML diagrams
Application development for Android UML diagrams
Software licensing and protection using SafeNet Sentinel HASP security solution

Examples by Types of Diagrams

Activity diagram examples
Class diagram examples
Communication diagram examples
Component diagram examples
Composite structure diagram examples
Deployment diagram examples
Information flow diagram example
Interaction overview diagram examples
Object diagram example
Package diagram examples
Profile diagram examples
Sequence diagram examples
State machine diagram examples
Timing diagram examples
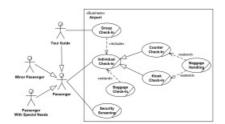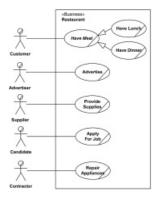Use case diagram examples

Use Case Diagrams

Business Use Case Diagrams
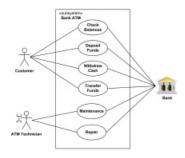
Airport check-in and security screening business model

Restaurant business model

System Use Case Diagrams

Ticket vending machine

«Subsystem»
Ticket vending machine

Commuter — 1 — Purchase Ticket — 0..* — 1 — Bank
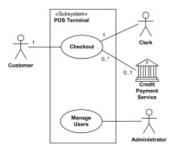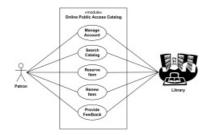
Bank ATM UML use case diagrams examples

«subsystem»
Bank ATM

Check Balances
Deposit Funds
Withdraw Cash
Transfer Funds
Maintenance
Repair

Customer
ATM Technician
Bank
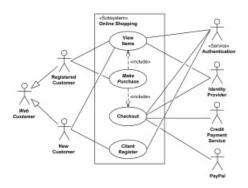
Point of Sales (POS) terminal

«Subsystem»
POS Terminal

Checkout
Manage Users

Customer — 1
Clerk — 1
Credit Payment Service — 0..1 — 0..*
Administrator
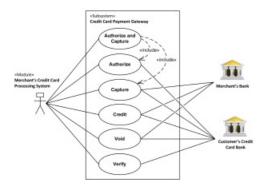
e-Library online public access catalog (OPAC)

«module»
Online Public Access Catalog

Manage Account
Search Catalog
Reserve Item
Renew Item
Provide Feedback

Patron
Library
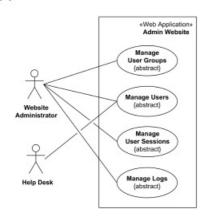
Online shopping use case diagrams
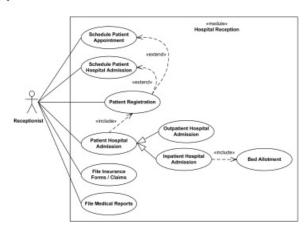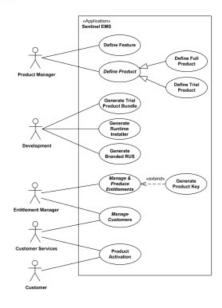
Credit card processing system
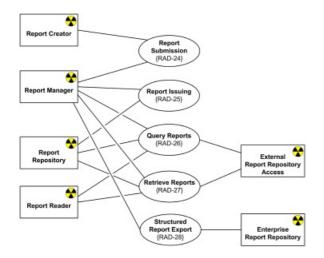
Website administration

Hospital Management

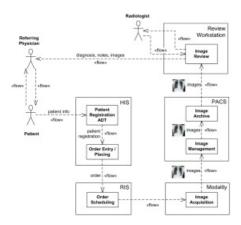## Radiology diagnostic reporting UML use case diagram example

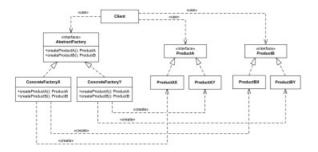**Software protection and licensing UML use case diagram example**

Information Flow Diagrams

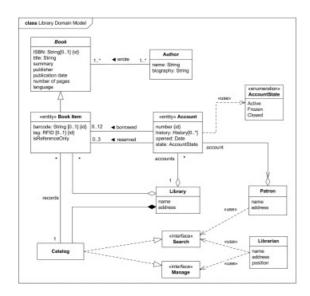**Scheduled Workflow information flow for the IHE Radiology Technical Framework**

Class Diagrams

Abstract Factory Design Pattern
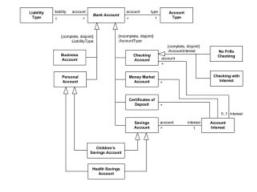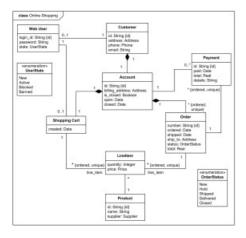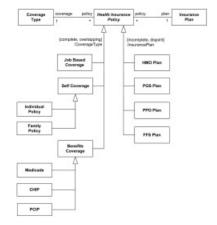
Domain Models

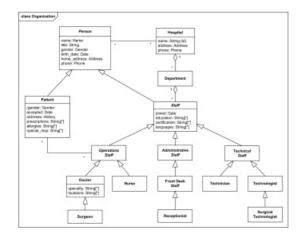### Library domain model

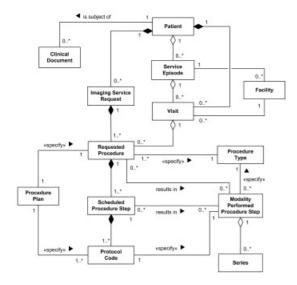### Bank account class diagram example

Online shopping domain model

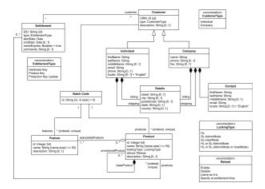## Health insurance policy UML class diagram example

Hospital domain UML class diagram example

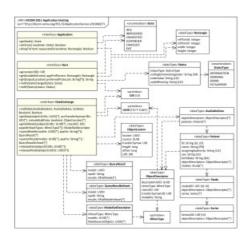## Digital imaging in medicine - DICOM model of the real world

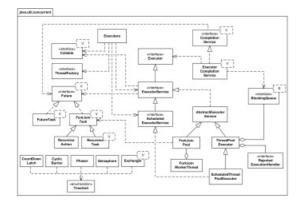## Sentinel HASP software licensing domain UML class diagram example

APIs

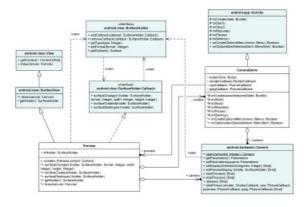### Digital imaging in medicine - DICOM Application Hosting API
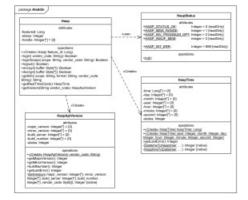

Java util.concurrent API UML class diagram examples

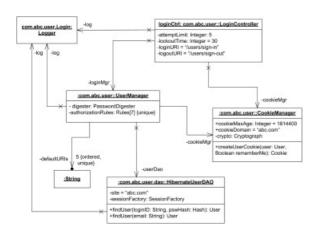## Implementation Models

Android Camera implementation classes

Sentinel HASP licensing UML class diagram of Aladdin package
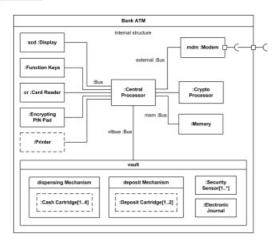
Object Diagrams

Web application Login Controller object diagram

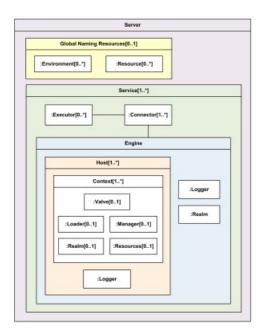# Composite Structure Diagrams

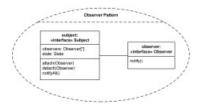Bank ATM UML composite structure diagram example

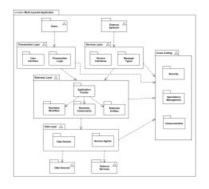Apache Tomcat 7 web server UML composite structure diagram example
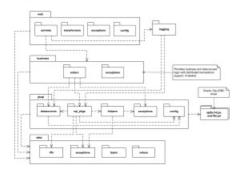
Observer design pattern as UML collaboration use example
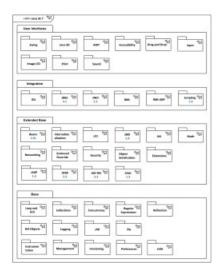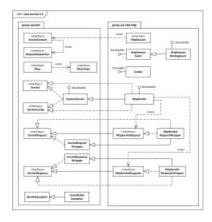

Package Diagrams

Multi-Layered Application Model
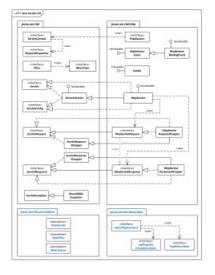

Multi-Layered Web Architecture

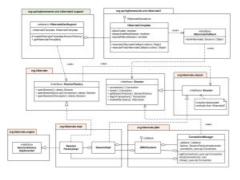**Java™ Platform Standard Edition 7 API UML package diagram example.**
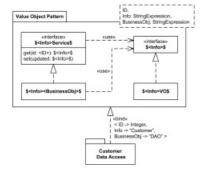
Java Servlet 2.5 API UML package diagram example

Java Servlet 3.0 API UML package diagram example

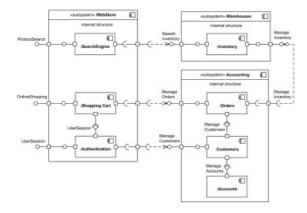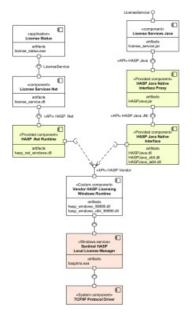**Spring and Hibernate ORM data access packages and classes**

(Data) Transfer Object (Value Object) design pattern package template

Component Diagrams

Online shopping component diagram

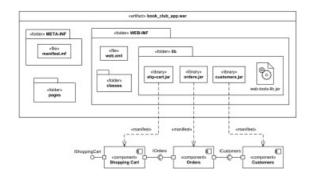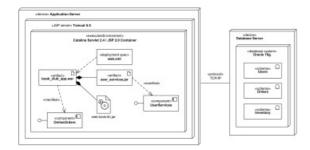**Sentinel HASP licensing components**
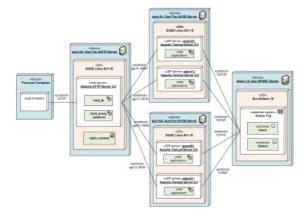

Deployment Diagrams
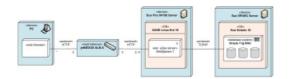
Online shopping web application manifestation

Online shopping web application UML deployment diagram
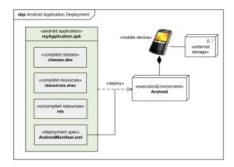

Clustered deployment of J2EE web application

Multilayered load balancing of J2EE servers
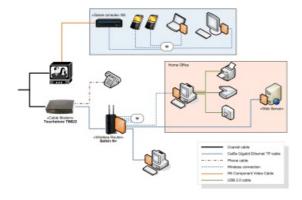

Apple iTunes UML deployment diagram
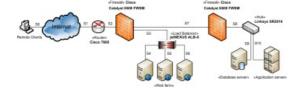

Android application deployment

Network Diagrams

Home network diagram example

Web application network diagram example
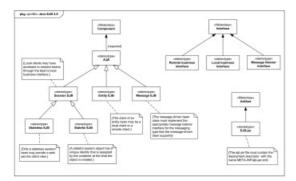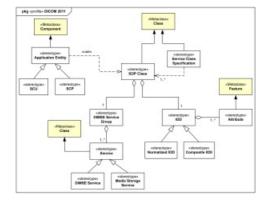

Profile Diagrams

Service Oriented Architecture Modeling Language (SoaML) UML profile diagram examples
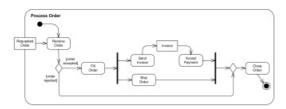

Java Enterprise JavaBeans (EJB) 3.0 UML Profile

□→□ **Digital Imaging and Communications in Medicine (DICOM) UML profile diagram example**
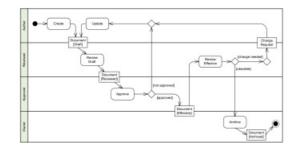

Activity Diagrams
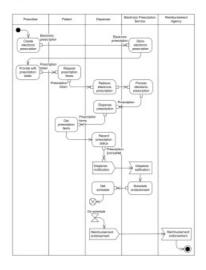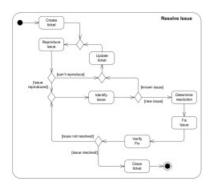
●→ A **Business flow - Process purchase order**

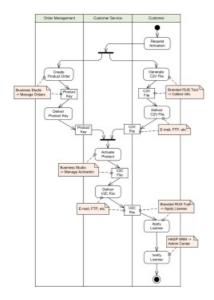●→ A **Business flow - Document management process**
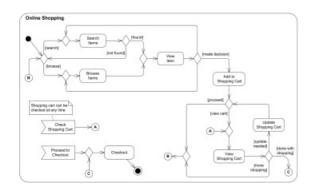

●→ A **Electronic prescription service**
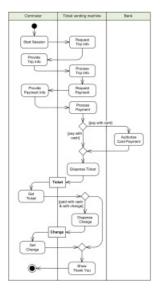

●→ A **Software design - Resolve software issue**

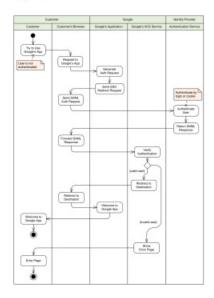**Software licensing - activation of Sentinel HASP SL provisional product UML activity diagram example**

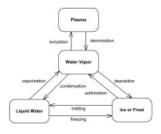**Online shopping UML activity diagram**

Ticket vending machine

Web security - Single Sign-On (SSO) for Google Apps
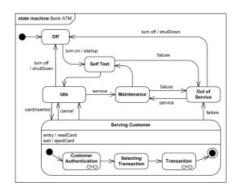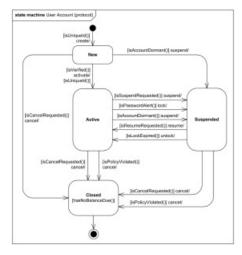

State Machine Diagrams

Water Phase Diagram as State Machine

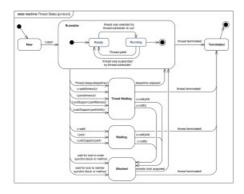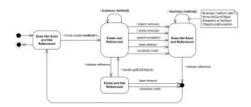**Bank ATM behavioral state machine UML diagram example**

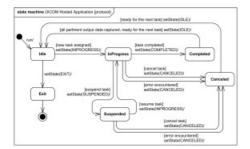**Online shopping user account UML state machine diagram example**

Java Thread states and life cycle UML protocol state machine example

Java EJB life cycle of a session object UML state machine example

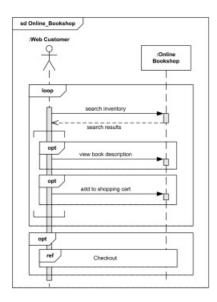**Digital Imaging and Communications in Medicine (DICOM) Hosted Application life cycle UML protocol state machine example**
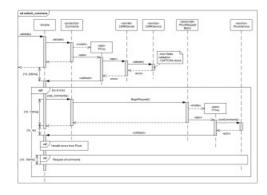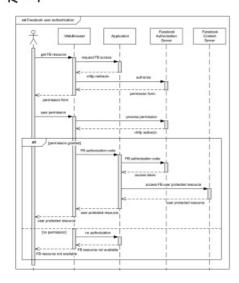

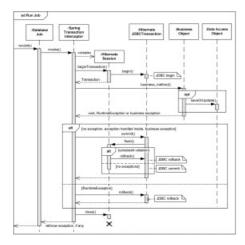# Sequence Diagrams

Online bookshop UML sequence diagram

Submit comments to Pluck using DWR, AJAX, JSON

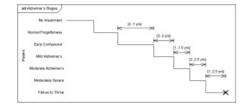## Facebook user authentication in a web application

Spring and Hibernate transaction management
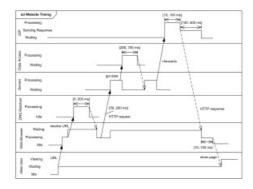
Timing Diagrams

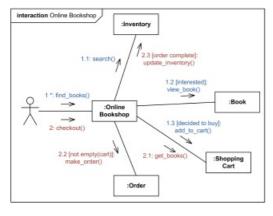**Medical domain - Stages of Alzheimer's disease UML timing diagram example**

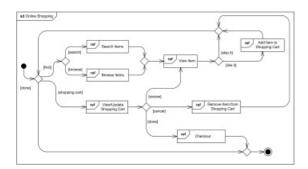**Web user experience - Website latency UML timing diagram example**
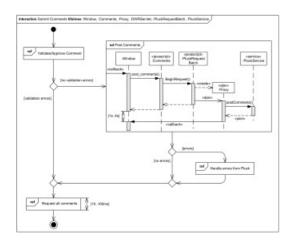

Communication Diagrams

Online bookshop communication diagram

Interaction Overview Diagrams

Online shopping interaction overview diagram

Submit comments to Pluck using DWR, AJAX, JSON

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

Follow @uml_diagrams   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*. *Lucidchart* is a nice, free UML tool that I recommend for students.
You can send your comments and suggestions to [webmaster](#) at **webmaster@uml-diagrams.org**.