

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

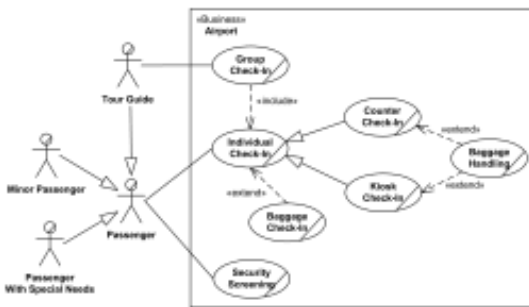
Profile diagram examples

- Sequence diagram examples
- State machine diagram examples
- Timing diagram examples
- Use case diagram examples

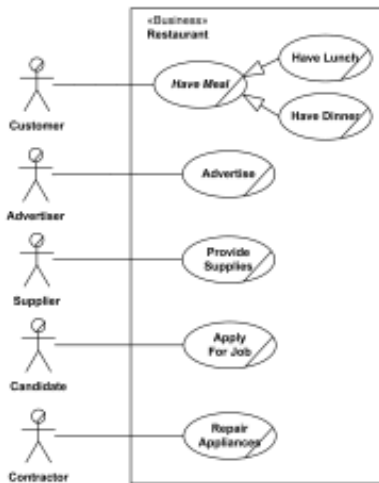
Use Case Diagrams

Business Use Case Diagrams

 **Airport check-in and security screening business model**

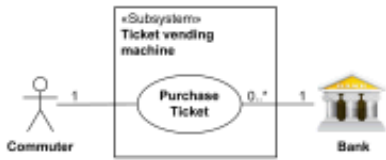


 **Restaurant business model**



System Use Case Diagrams

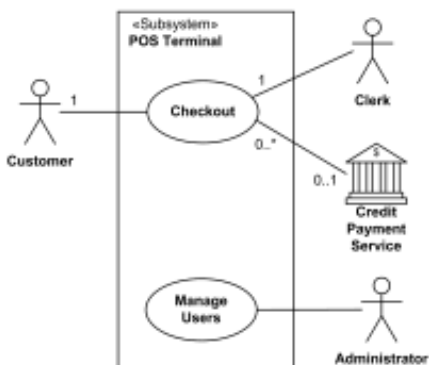
 **Ticket vending machine**



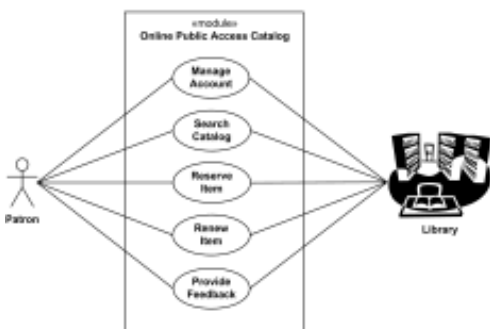
Bank ATM UML use case diagrams examples



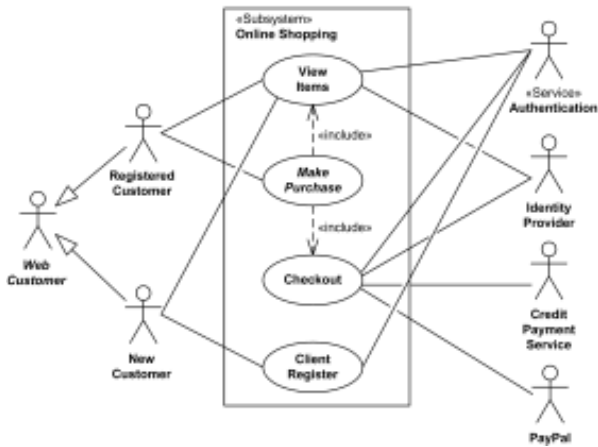
Point of Sales (POS) terminal



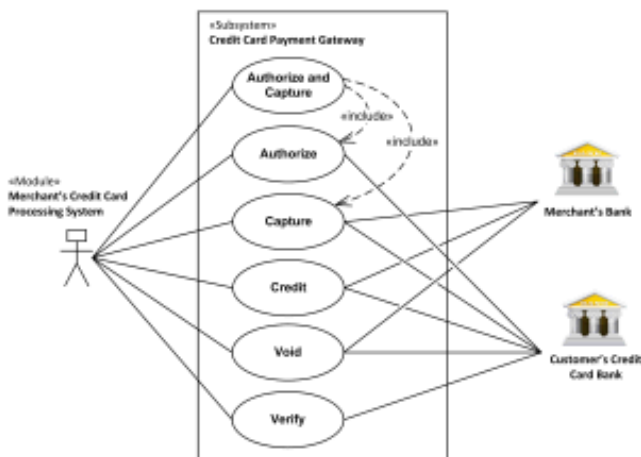
e-Library online public access catalog (OPAC)



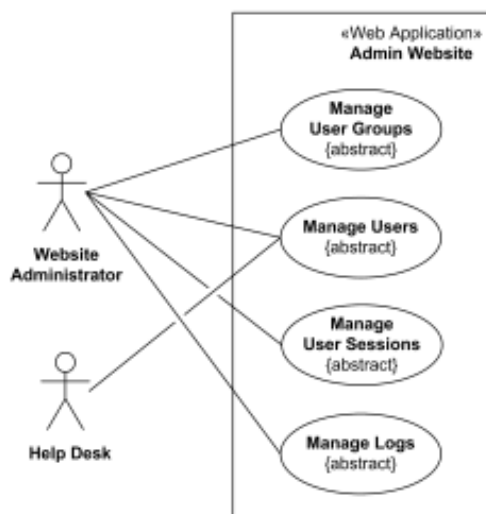
Online shopping use case diagrams



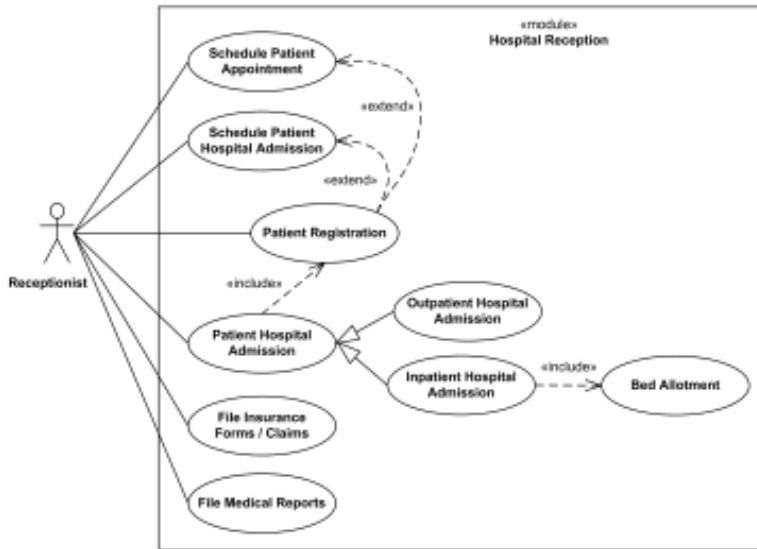
Credit card processing system



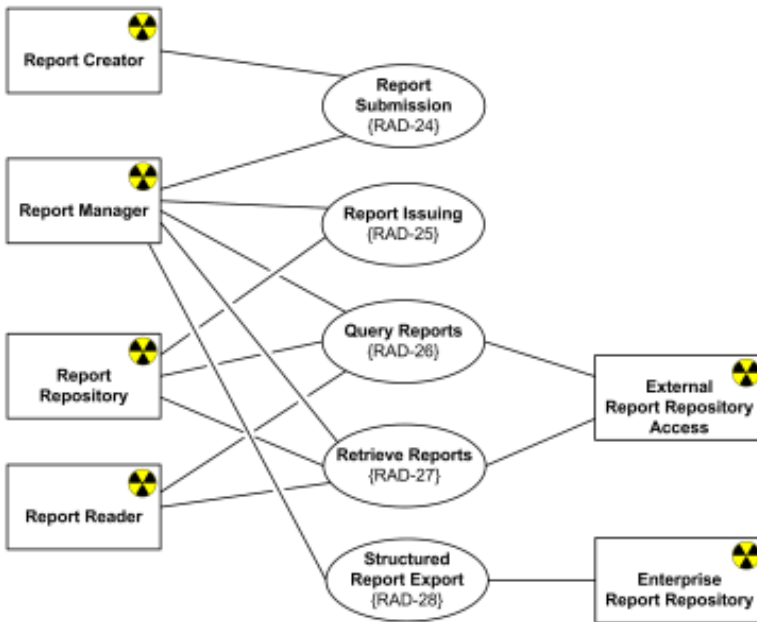
Website administration



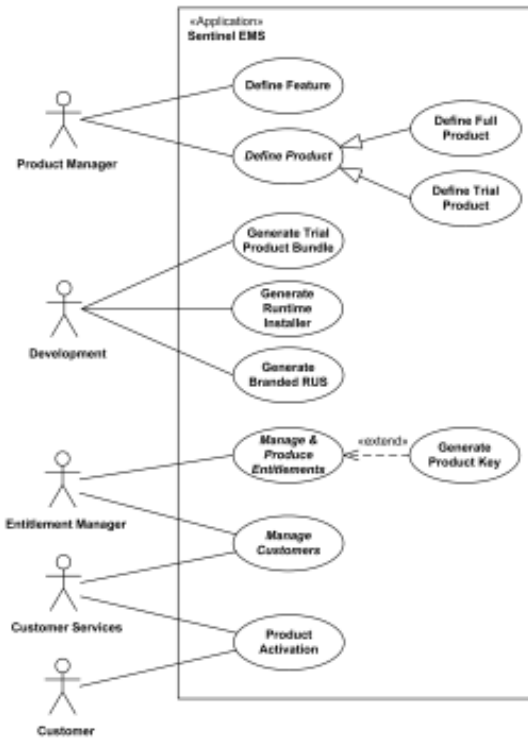
🧑🏻 Hospital Management



🧑🏻 Radiology diagnostic reporting UML use case diagram example

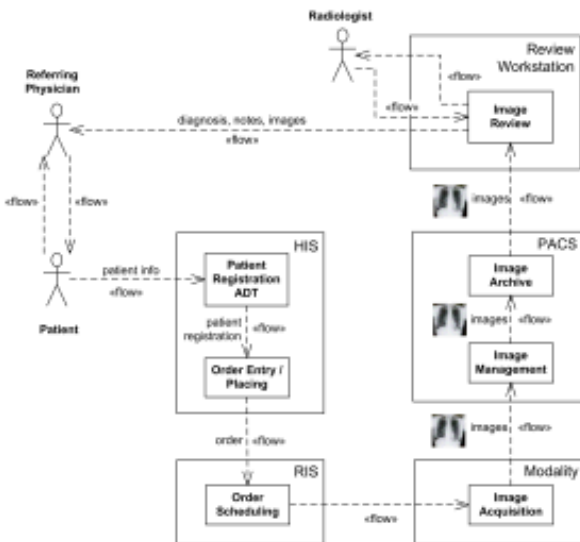


🧑🏻 Software protection and licensing UML use case diagram example



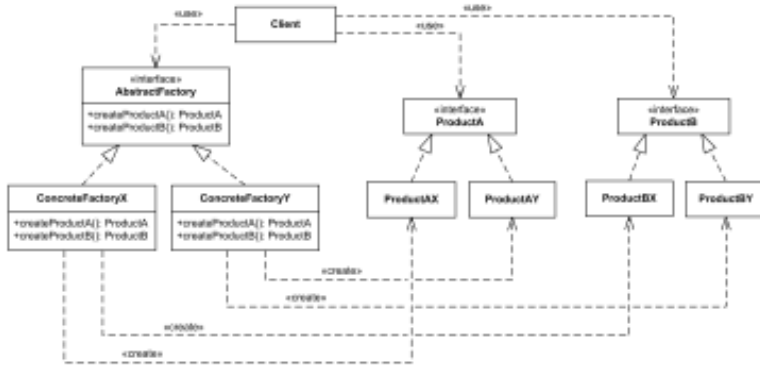
Information Flow Diagrams

Scheduled Workflow information flow for the IHE Radiology Technical Framework



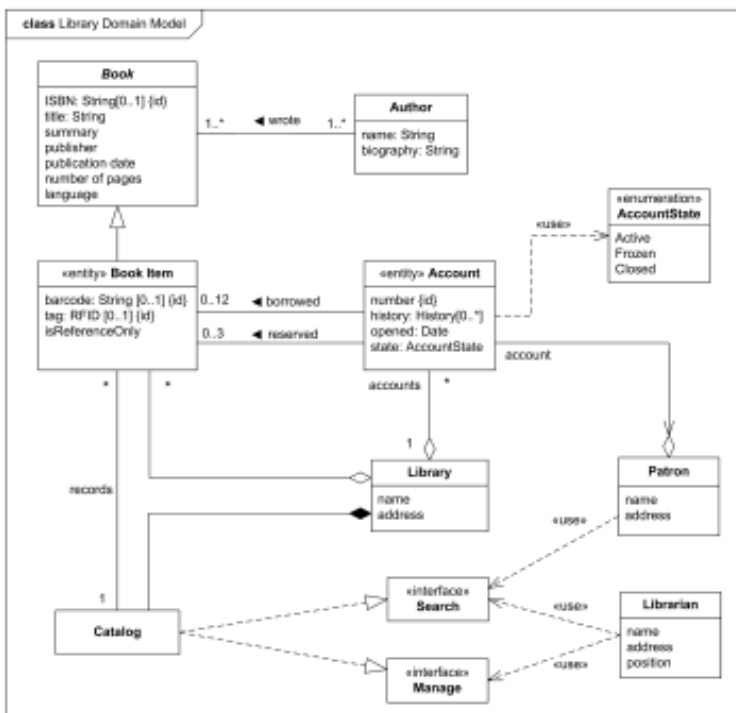
Class Diagrams

Abstract Factory Design Pattern

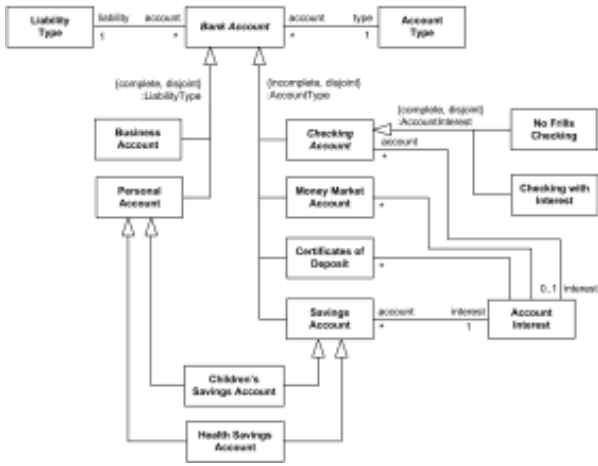


Domain Models

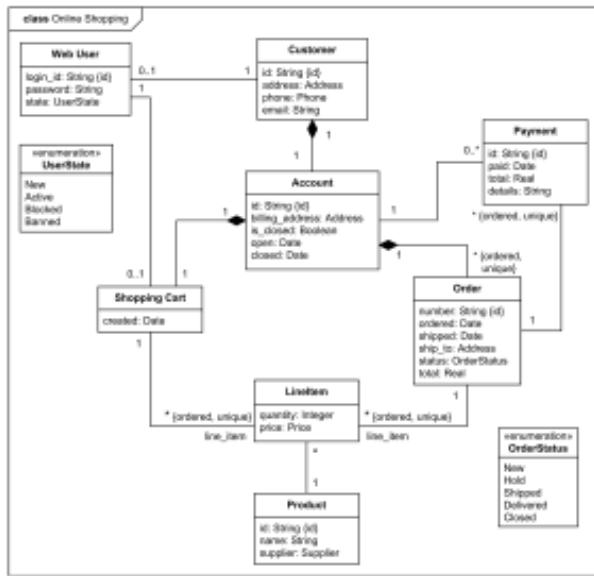
Library domain model



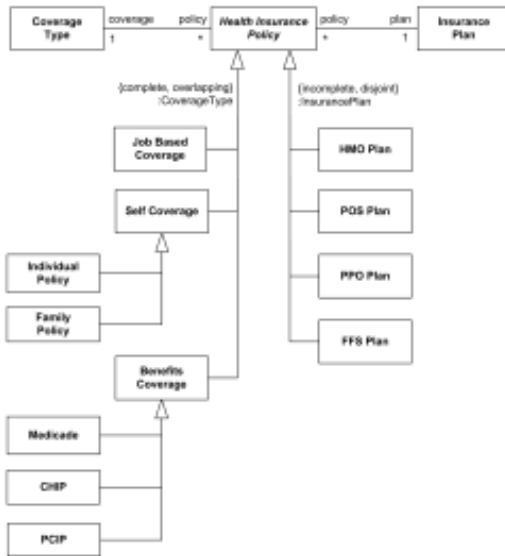
Bank account class diagram example



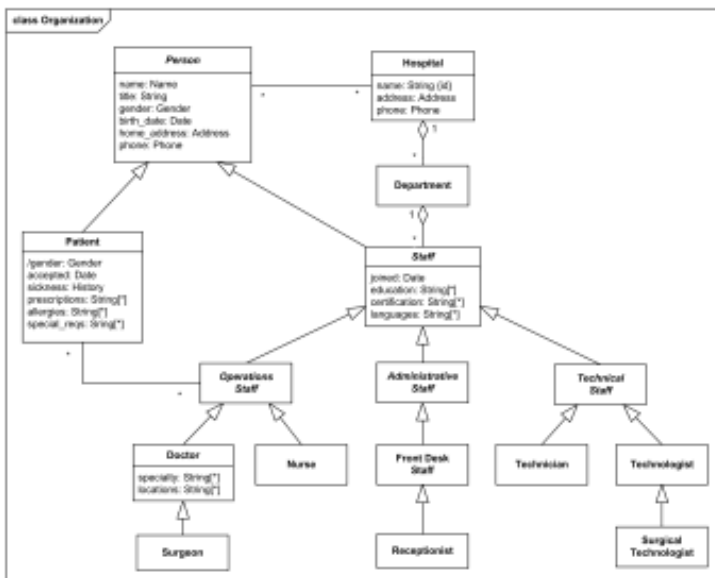
Online shopping domain model



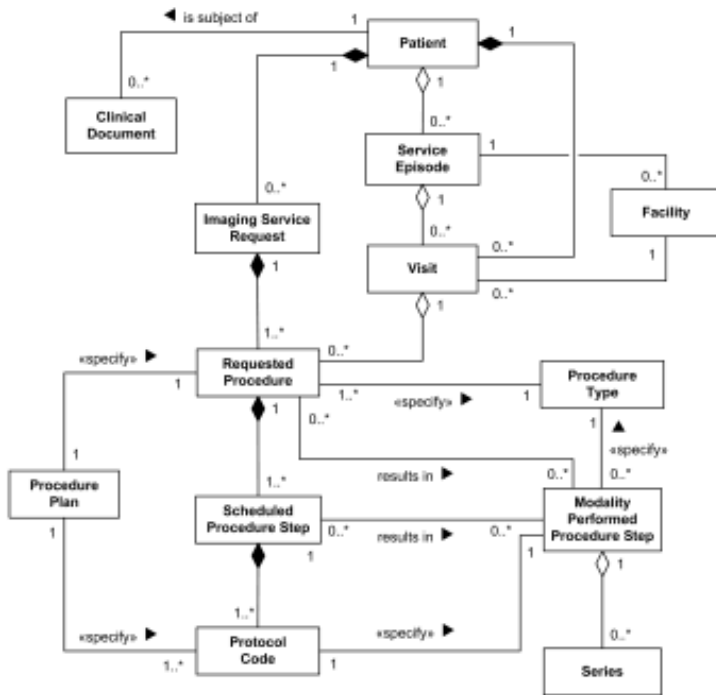
Health insurance policy UML class diagram example



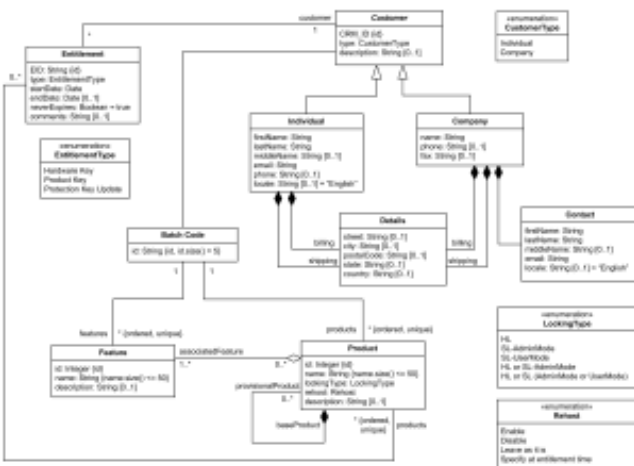
Hospital domain UML class diagram example



Digital imaging in medicine - DICOM model of the real world

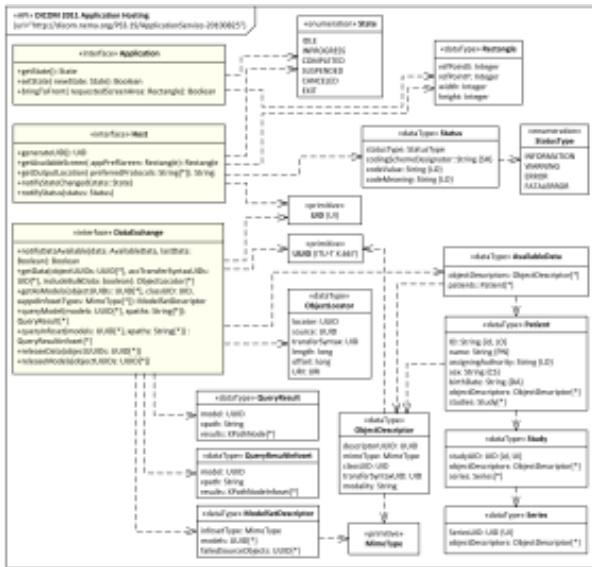


 **Sentinel HASP software licensing domain UML class diagram example**

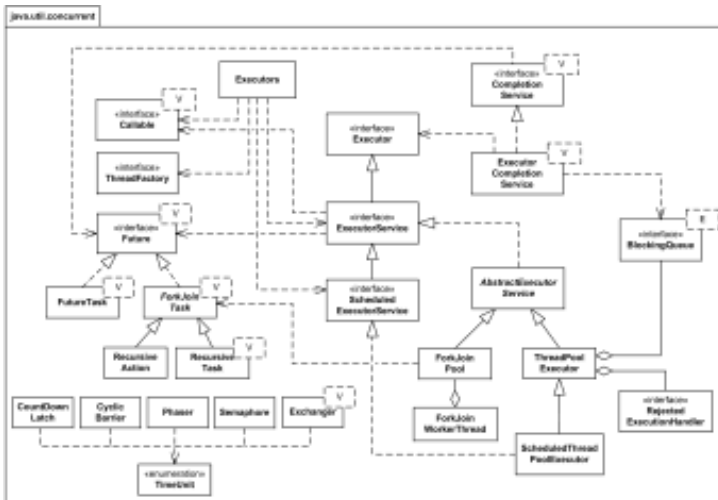


APIs

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

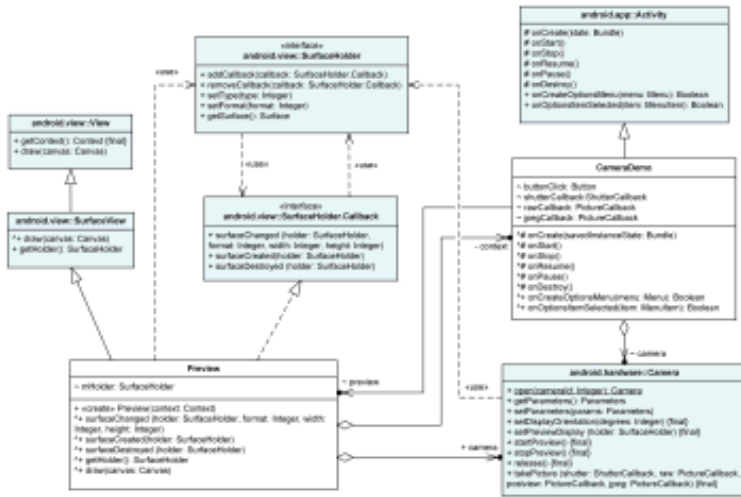


Java util.concurrent API UML class diagram examples

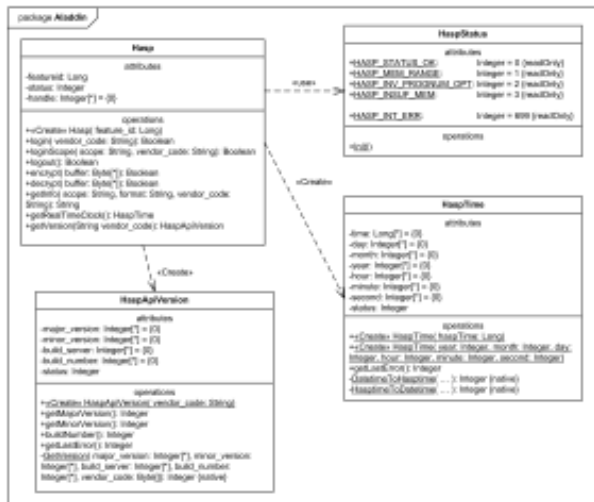


Implementation Models

Android Camera implementation classes

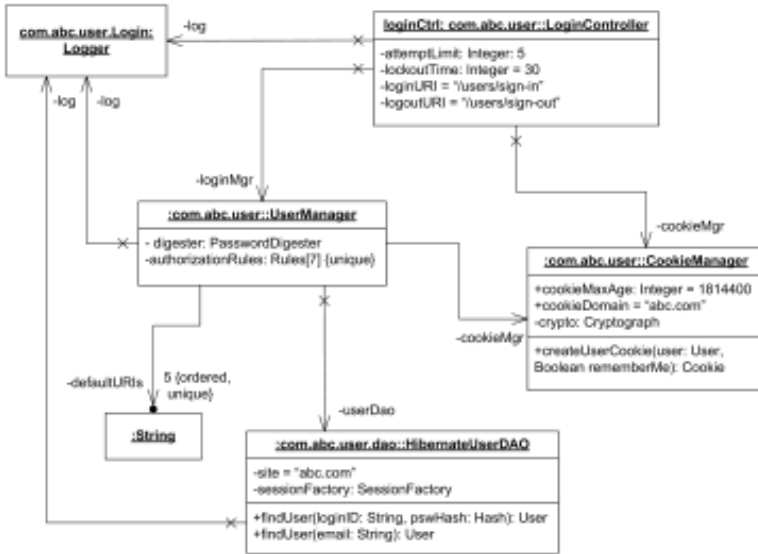


Sentinel HASP licensing UML class diagram of Aladdin package

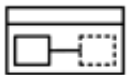


Object Diagrams

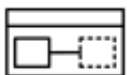
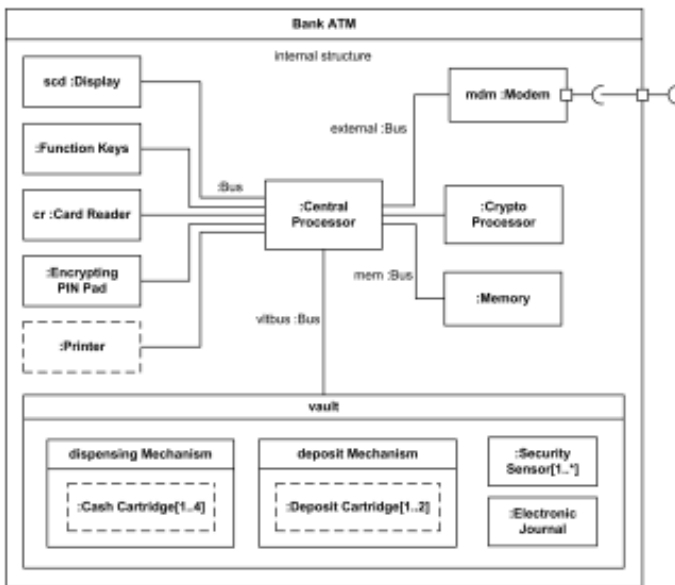
Web application Login Controller object diagram



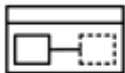
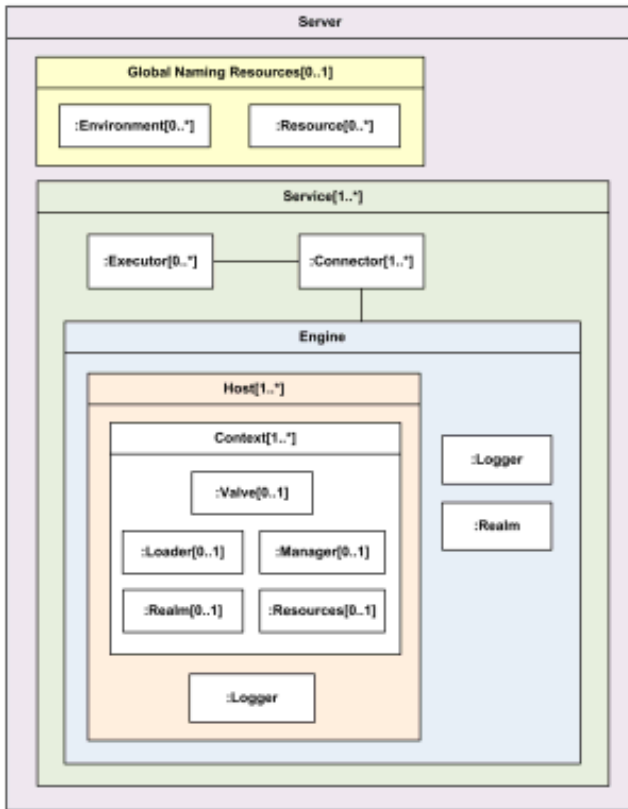
Composite Structure Diagrams



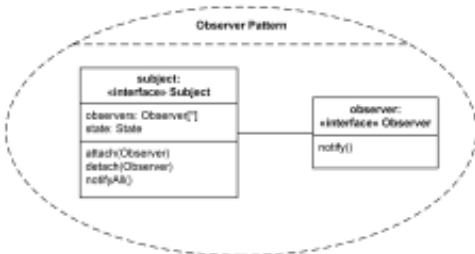
Bank ATM UML composite structure diagram example



Apache Tomcat 7 web server UML composite structure diagram example



Observer design pattern as UML collaboration use example



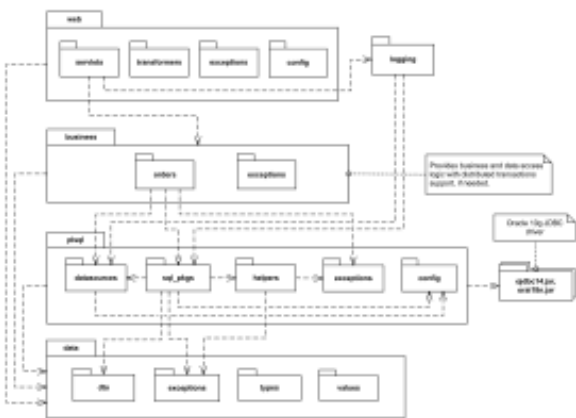
Package Diagrams



Multi-Layered Application Model

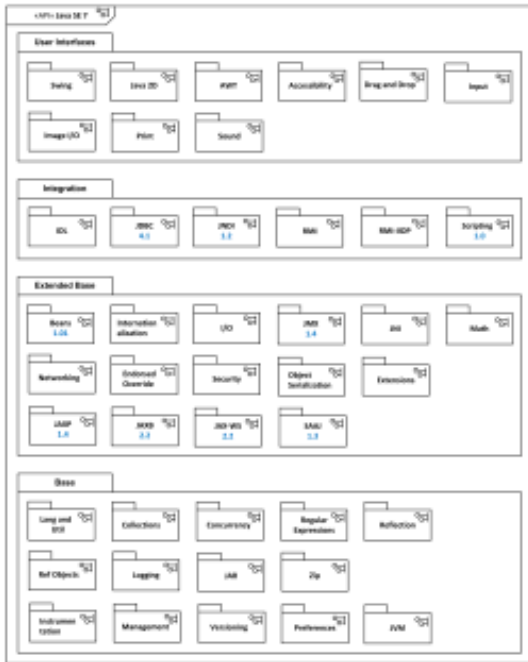


Multi-Layered Web Architecture



Java™ Platform Standard Edition 7 API UML package diagram

example.



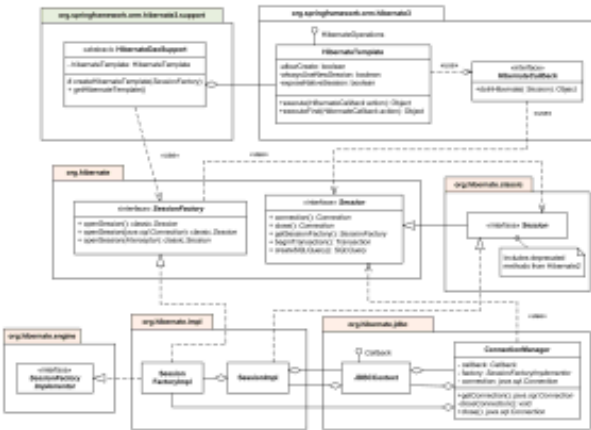
Java Servlet 2.5 API UML package diagram example



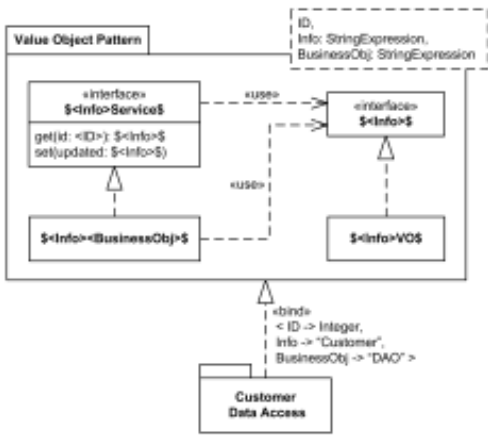
Java Servlet 3.0 API UML package diagram example



Spring and Hibernate ORM data access packages and classes

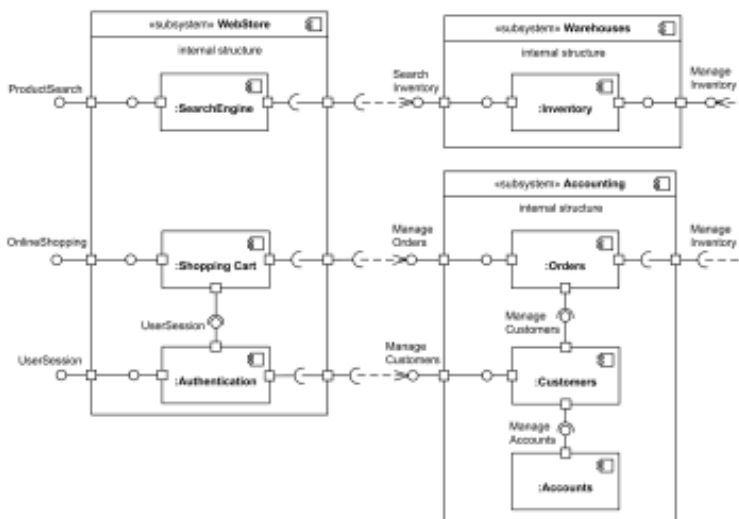


(Data) Transfer Object (Value Object) design pattern package template



Component Diagrams

Online shopping component diagram

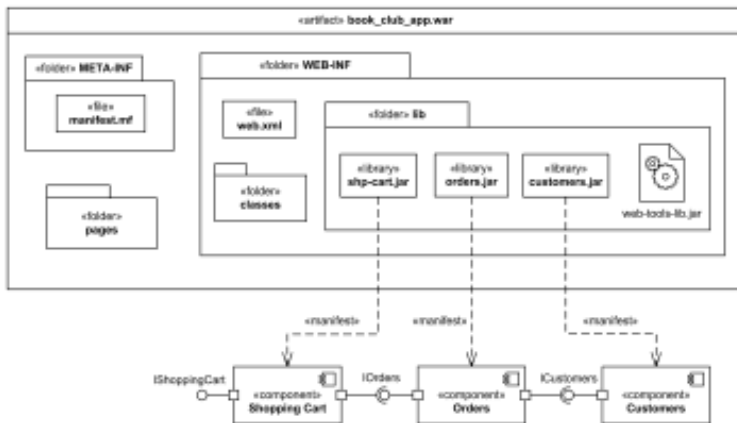


Sentinel HASP licensing components

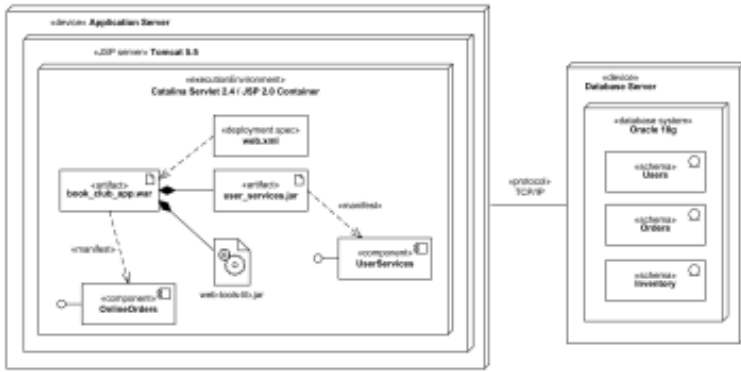


Deployment Diagrams

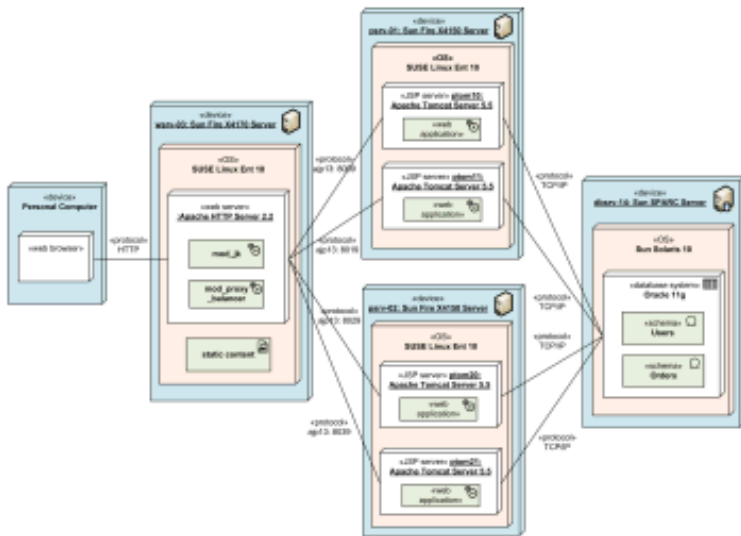
Online shopping web application manifestation



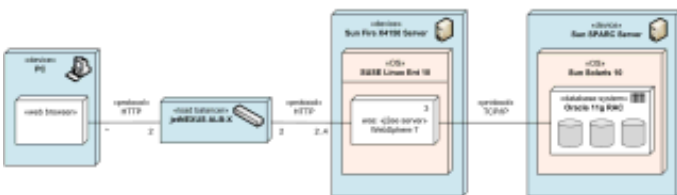
Online shopping web application UML deployment diagram



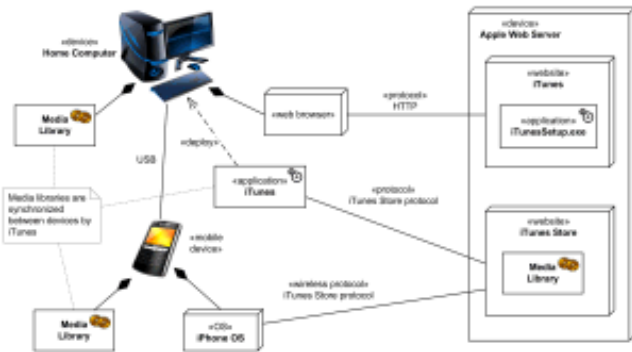
Clustered deployment of J2EE web application



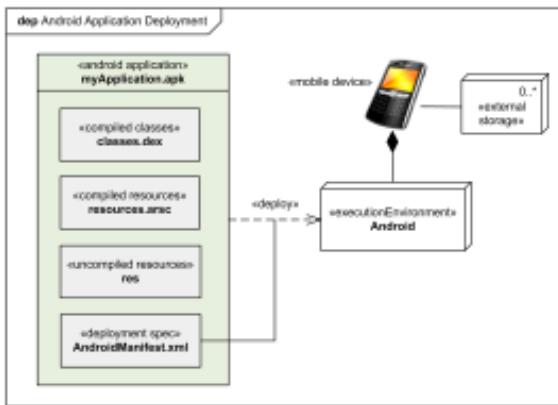
Multilayered load balancing of J2EE servers



Apple iTunes UML deployment diagram

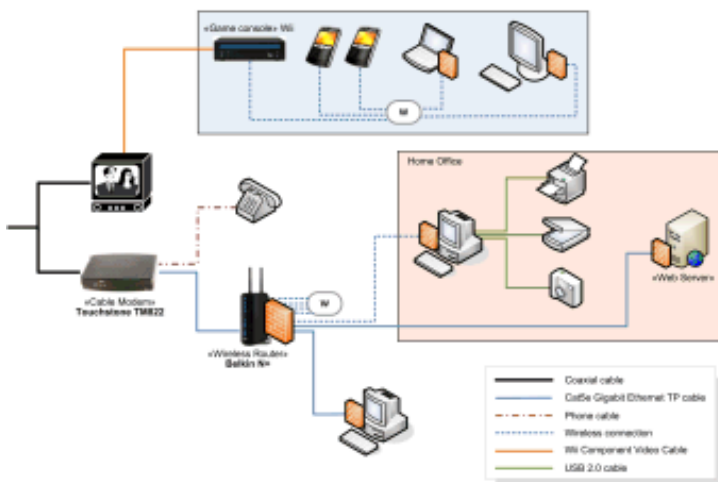


Android application deployment

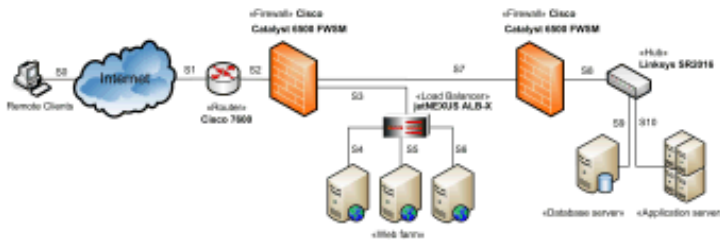


Network Diagrams

Home network diagram example



Web application network diagram example

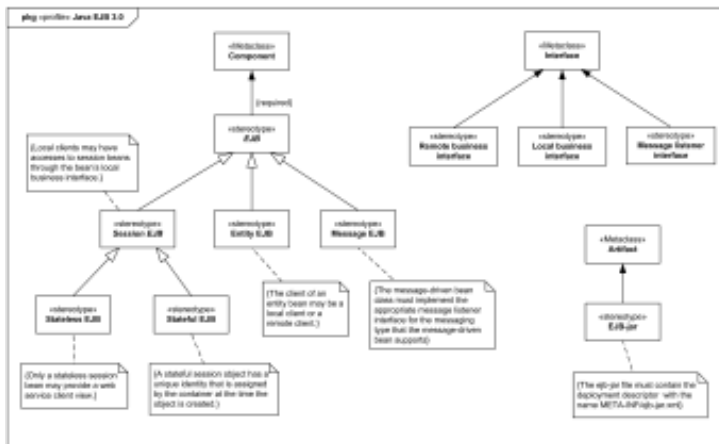


Profile Diagrams

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



Java Enterprise JavaBeans (EJB) 3.0 UML Profile

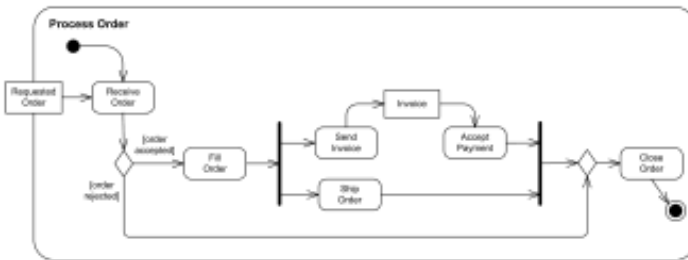


Digital Imaging and Communications in Medicine (DICOM) UML profile diagram example

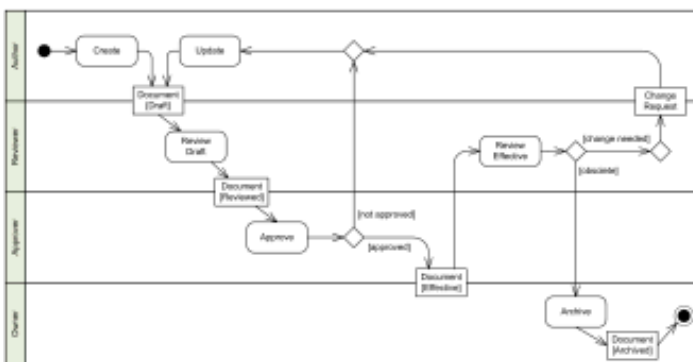


Activity Diagrams

●→ A Business flow - Process purchase order



●→ A Business flow - Document management process



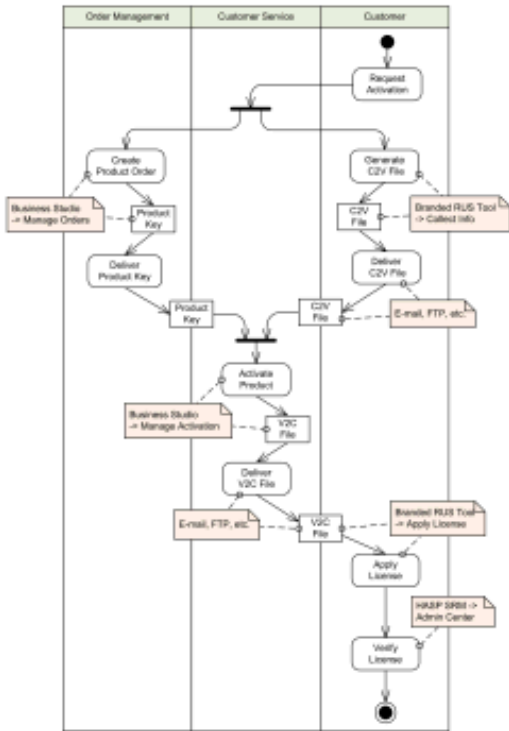
●→ A Electronic prescription service



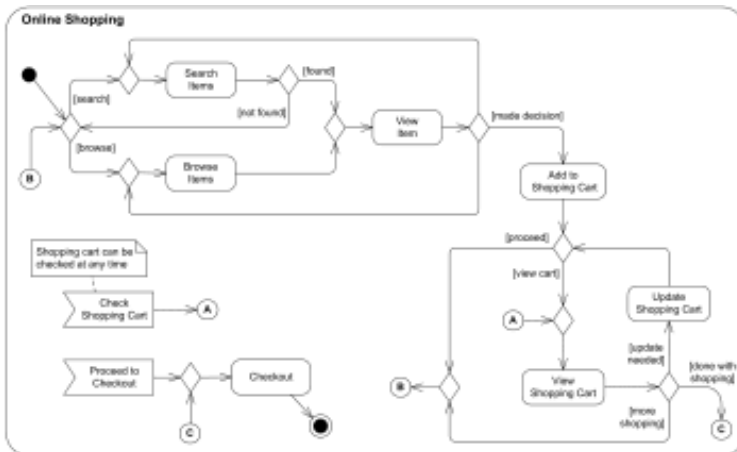
● → **A** **Software design - Resolve software issue**



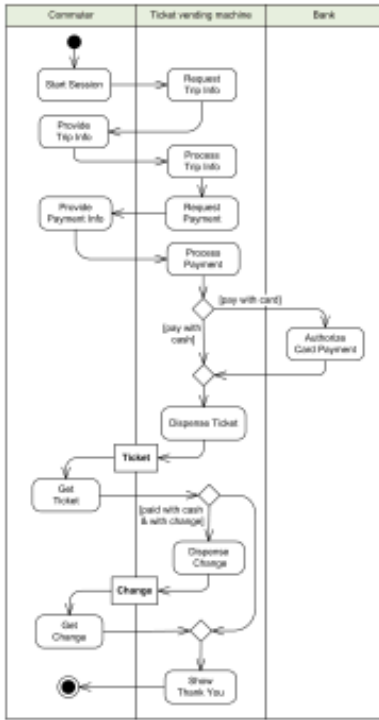
● → **A** **Software licensing - activation of Sentinel HASP SL provisional product**
UML activity diagram example



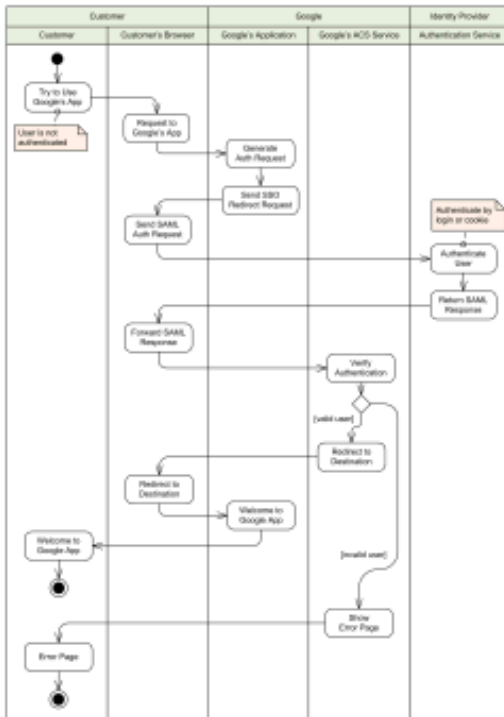
➔ **A Online shopping UML activity diagram**



➔ **A Ticket vending machine**

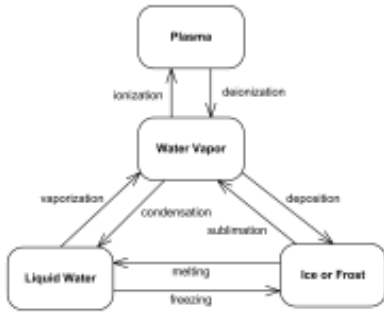


A Web security - Single Sign-On (SSO) for Google Apps

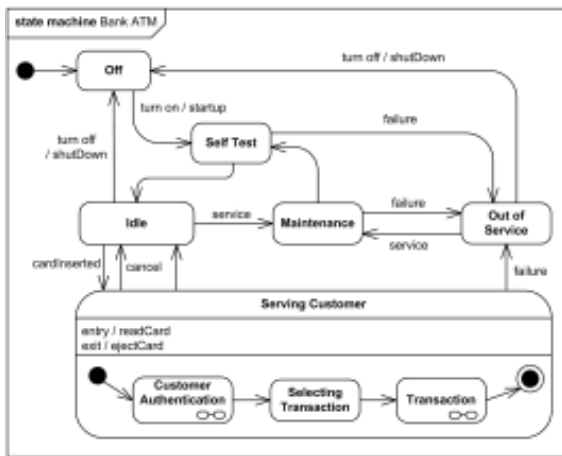


State Machine Diagrams

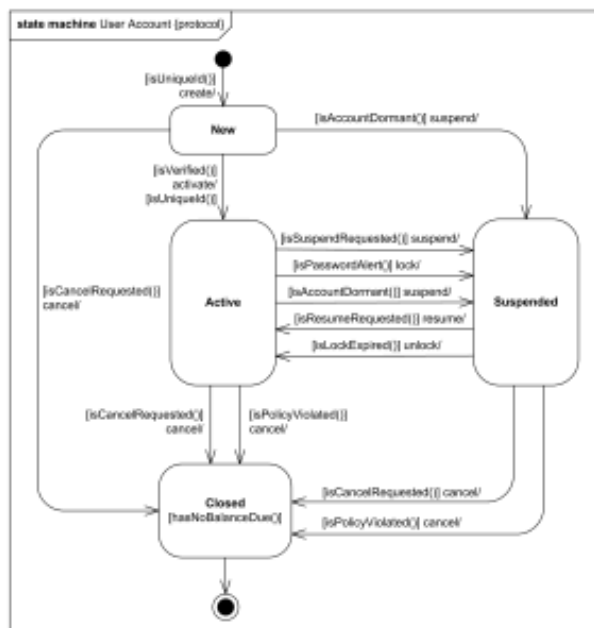
➔ S **Water Phase Diagram as State Machine**



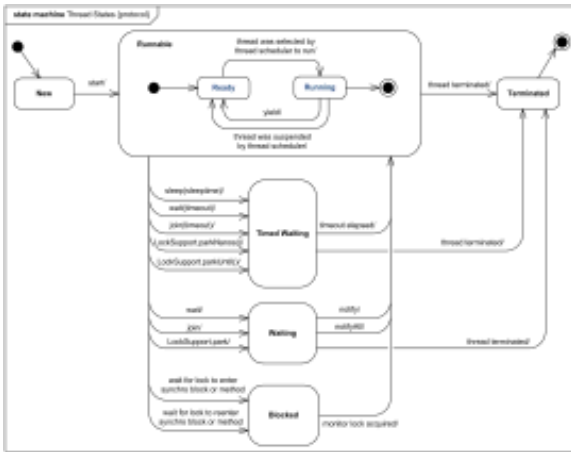
➔ S **Bank ATM behavioral state machine UML diagram example**



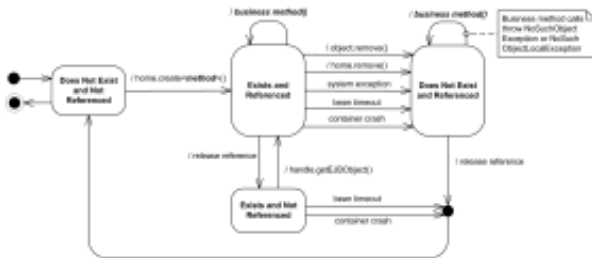
➔ S **Online shopping user account UML state machine diagram example**



S Java 6 thread states and life cycle UML protocol state machine example



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



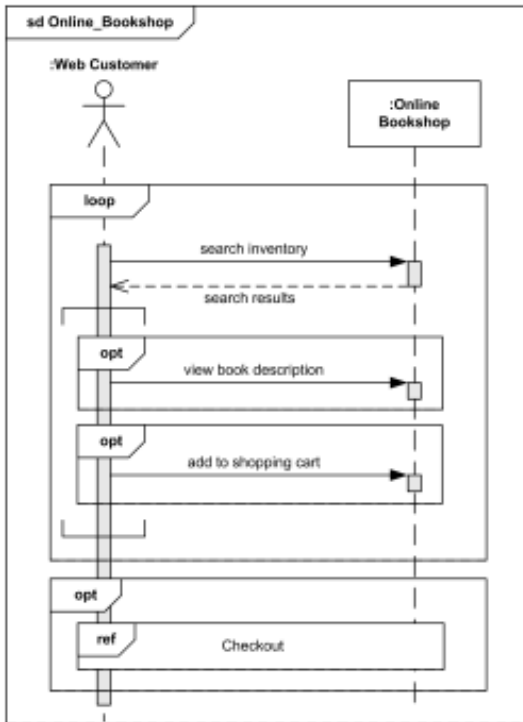
S Digital Imaging and Communications in Medicine (DICOM) Hosted Application life cycle UML protocol state machine example



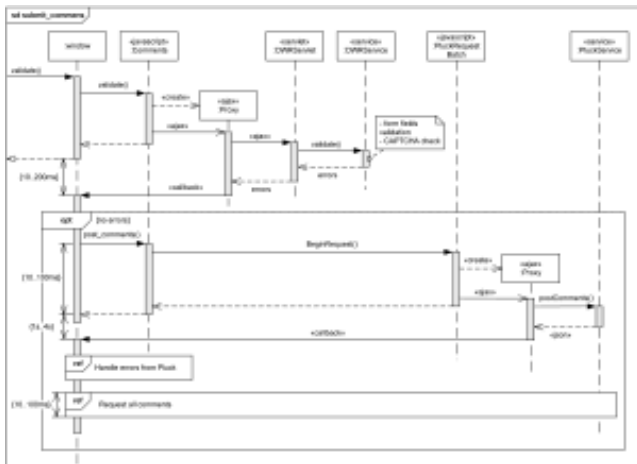
Sequence Diagrams



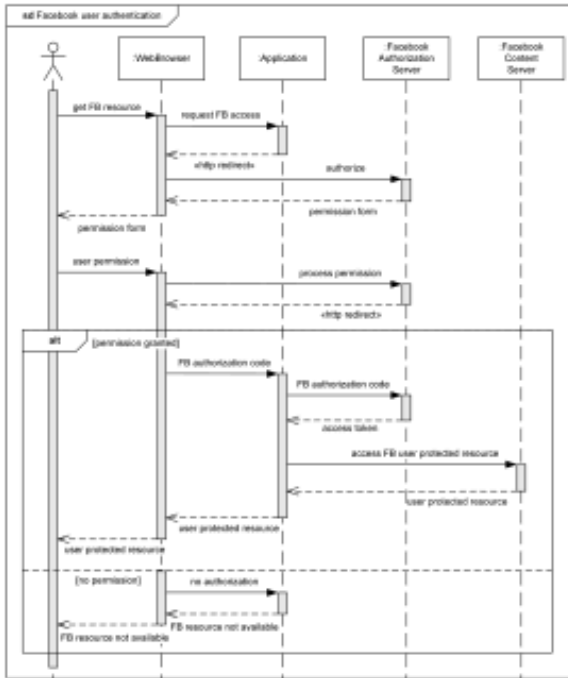
Online bookshop UML sequence diagram



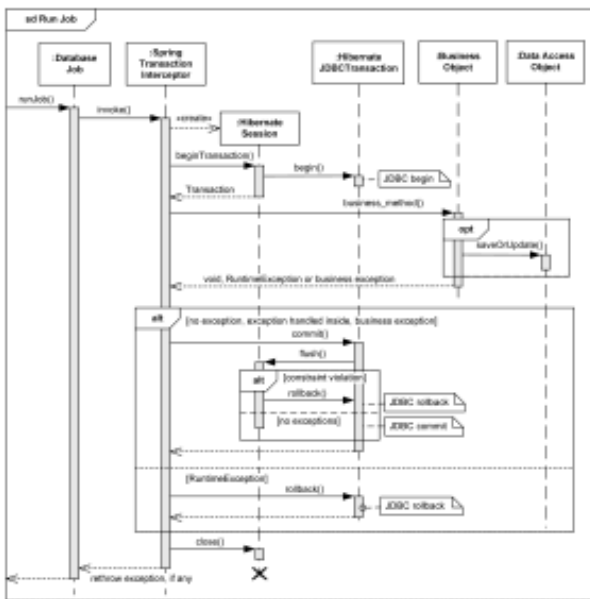
Submit comments to Pluck using DWR, AJAX, JSON



Facebook user authentication in a web application



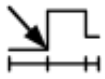
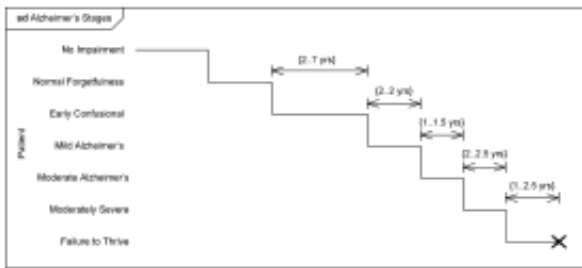
Spring and Hibernate transaction management



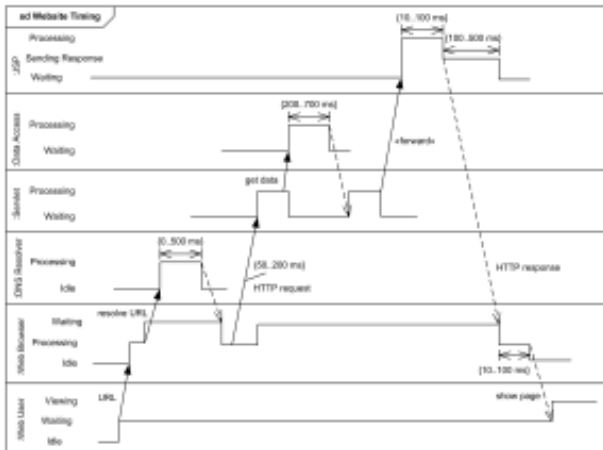
Timing Diagrams



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



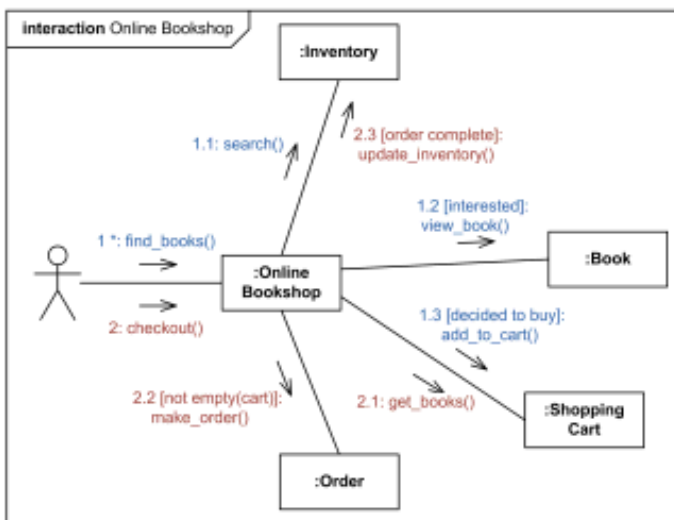
Web user experience - Website latency UML timing diagram example



Communication Diagrams

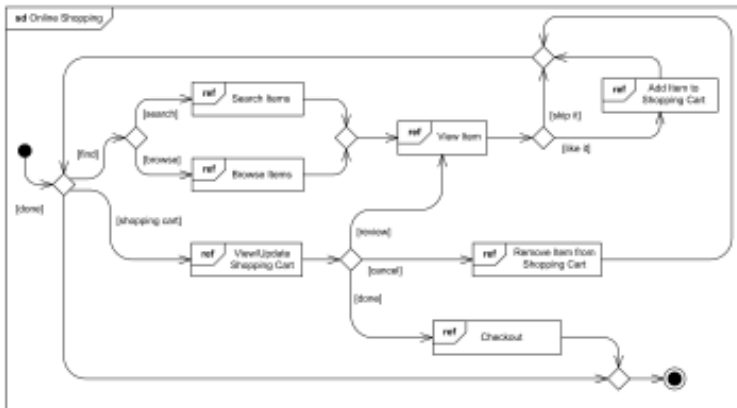


Online bookshop communication diagram

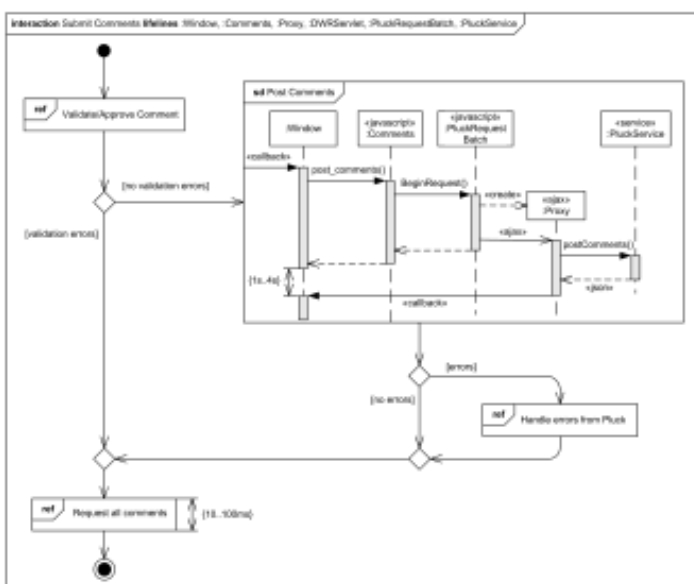


Interaction Overview Diagrams

➔ Online shopping interaction overview diagram



➔ Submit comments to Pluck using DWR, AJAX, JSON



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by [Kirill Fakhroudinov](#)

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®** 2007-2013 using **UML 2.x Visio Stencils**. **Lucidchart** is a nice free UML tool for students I recommend.

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