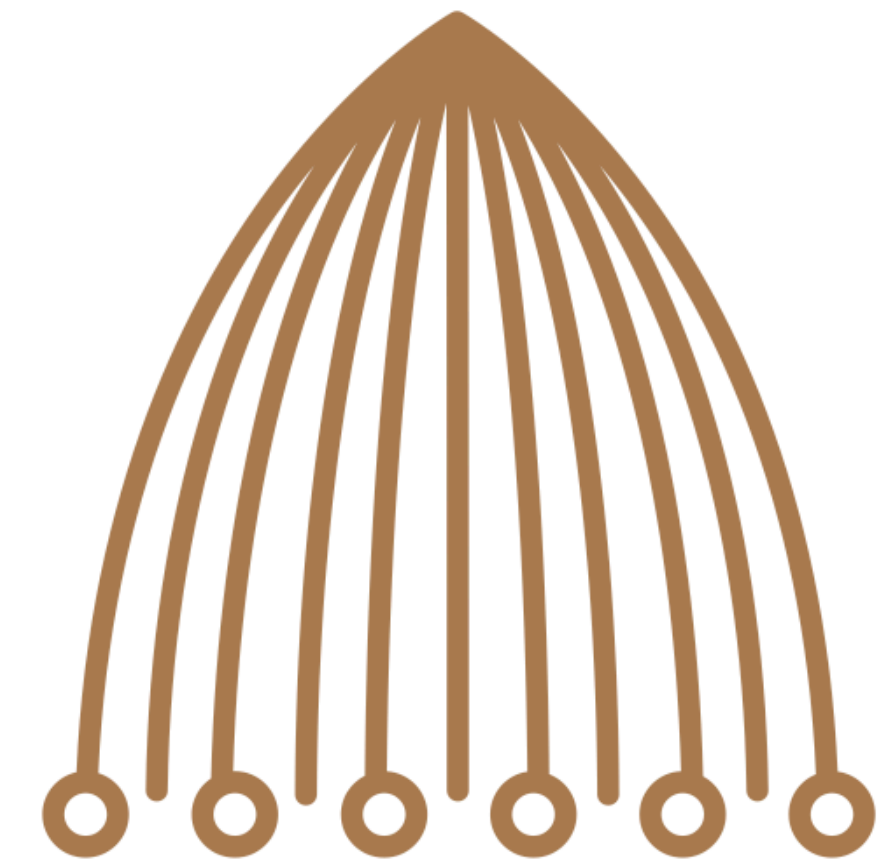


UML - Unified modelling language

Версия языка 2.5



**Almond
Consulting**

Что это такое?

Набор нотаций для
визуального
проектирования систем.

Виды диаграмм

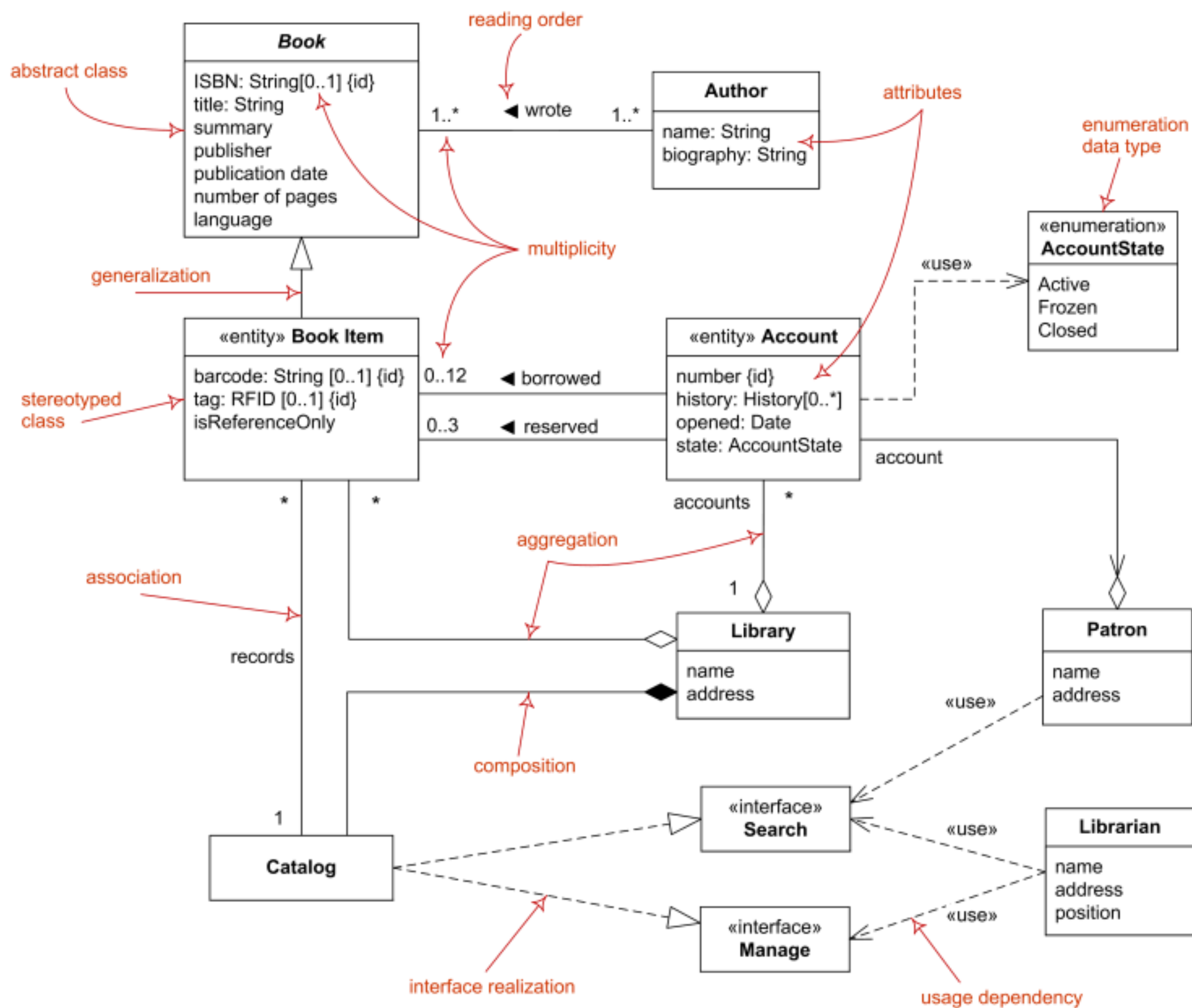
Структурные

- Class diagram
- Object diagram
- Composite structure diagram
- Component diagram
- Package diagram
- Deployment diagram

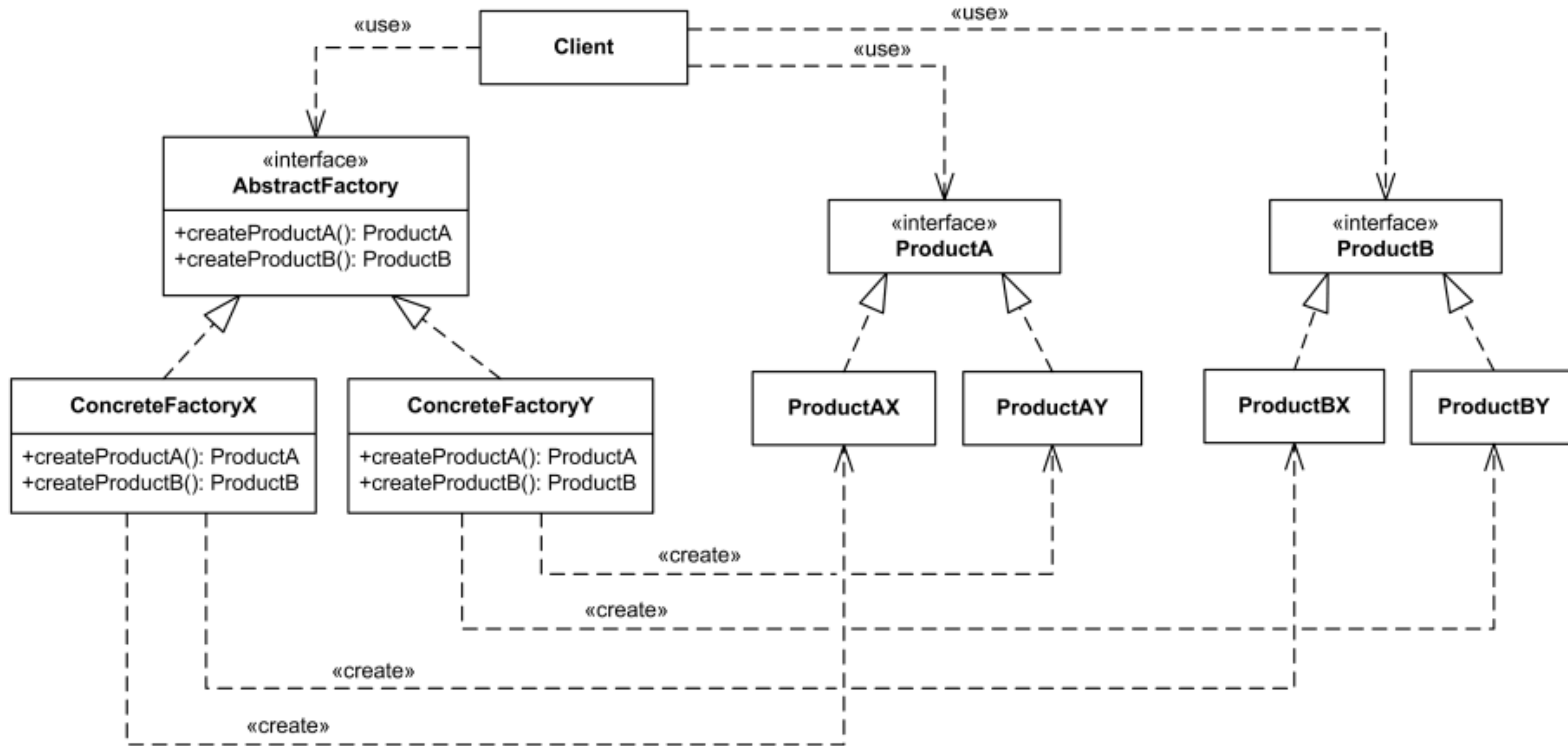
Поведенческие

- Use Case
- Information flow
- Activity
- State machine
- Sequence

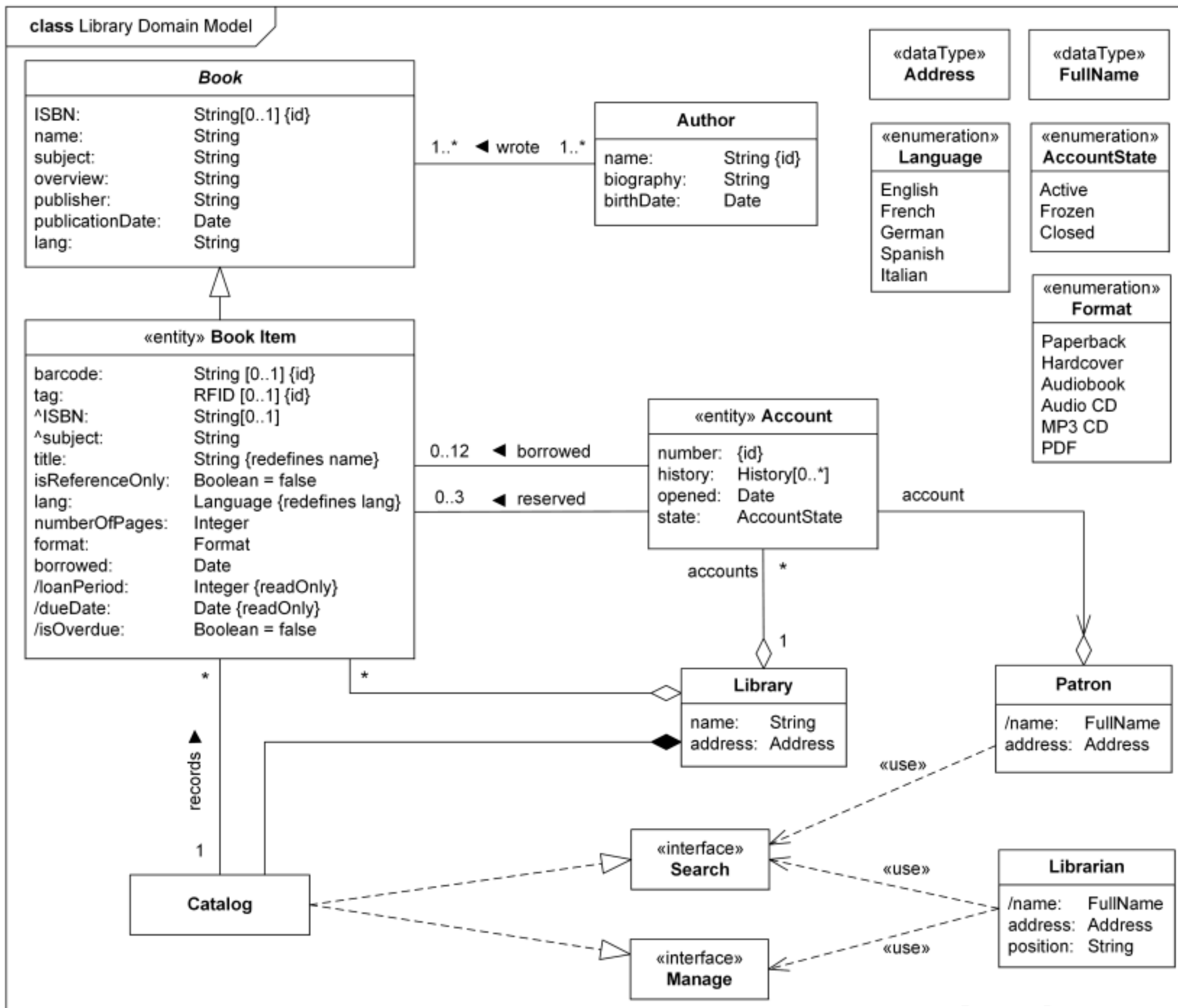
Class diagram



Примеры Class diagram

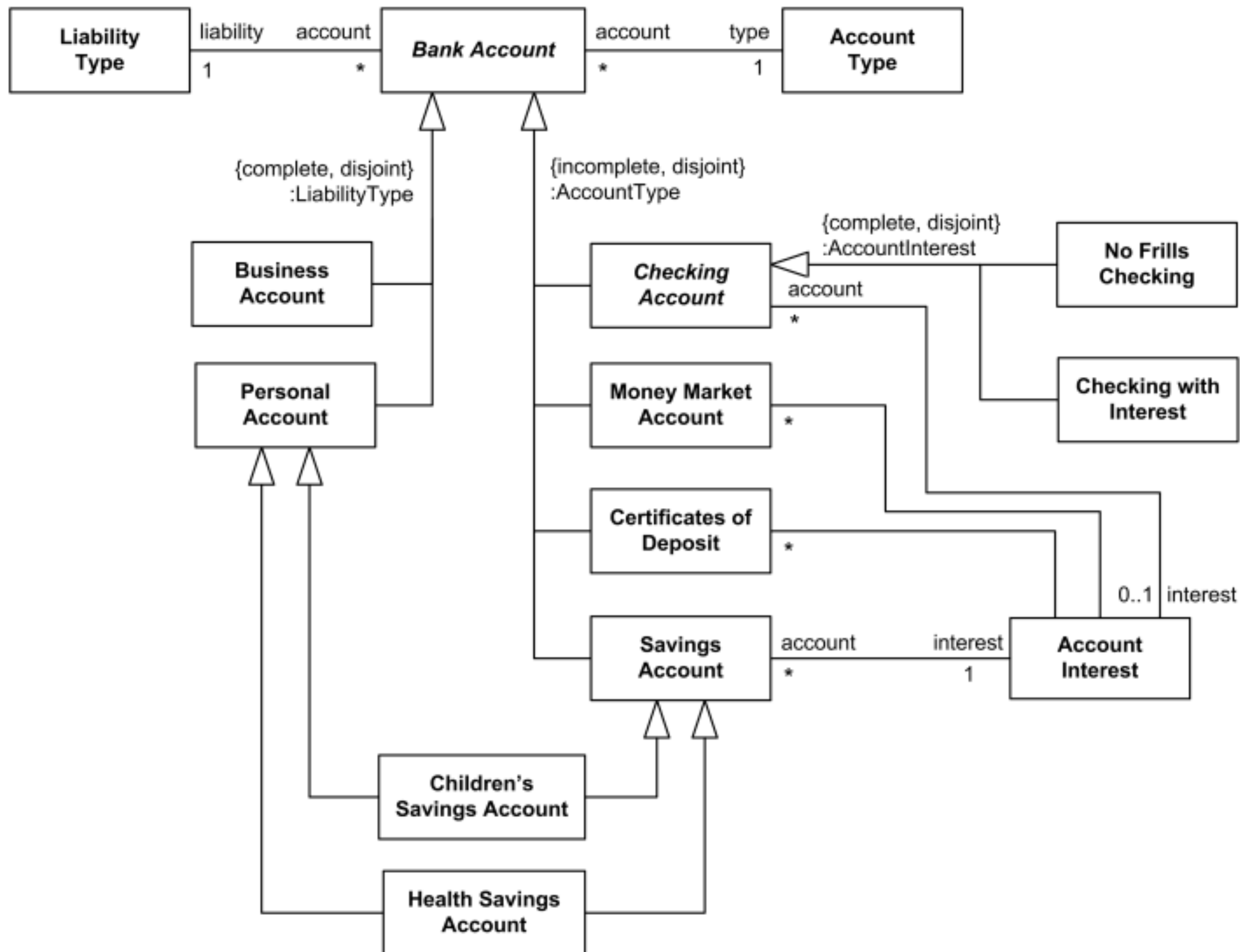


Abstract Factory

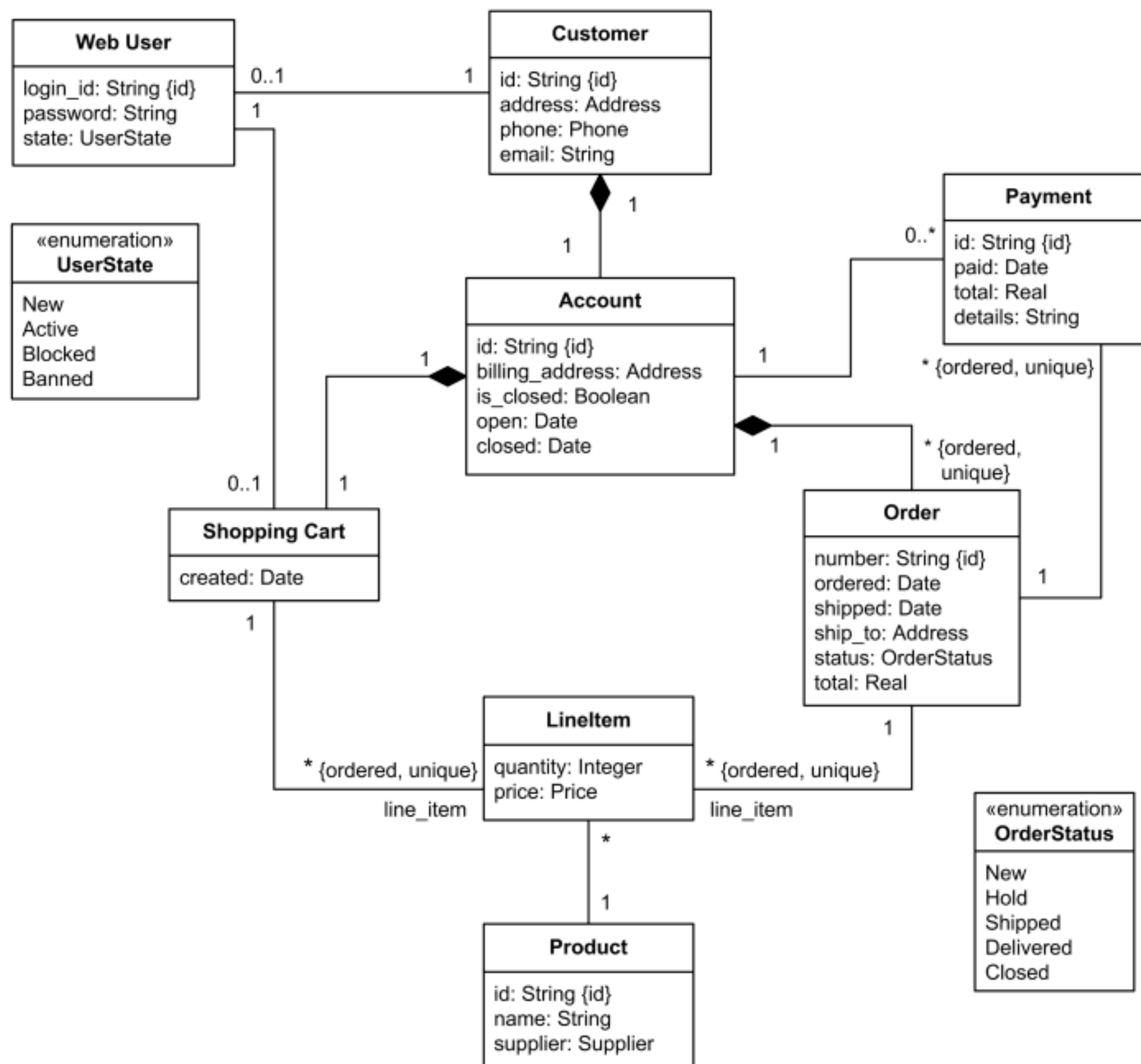


Библиотека

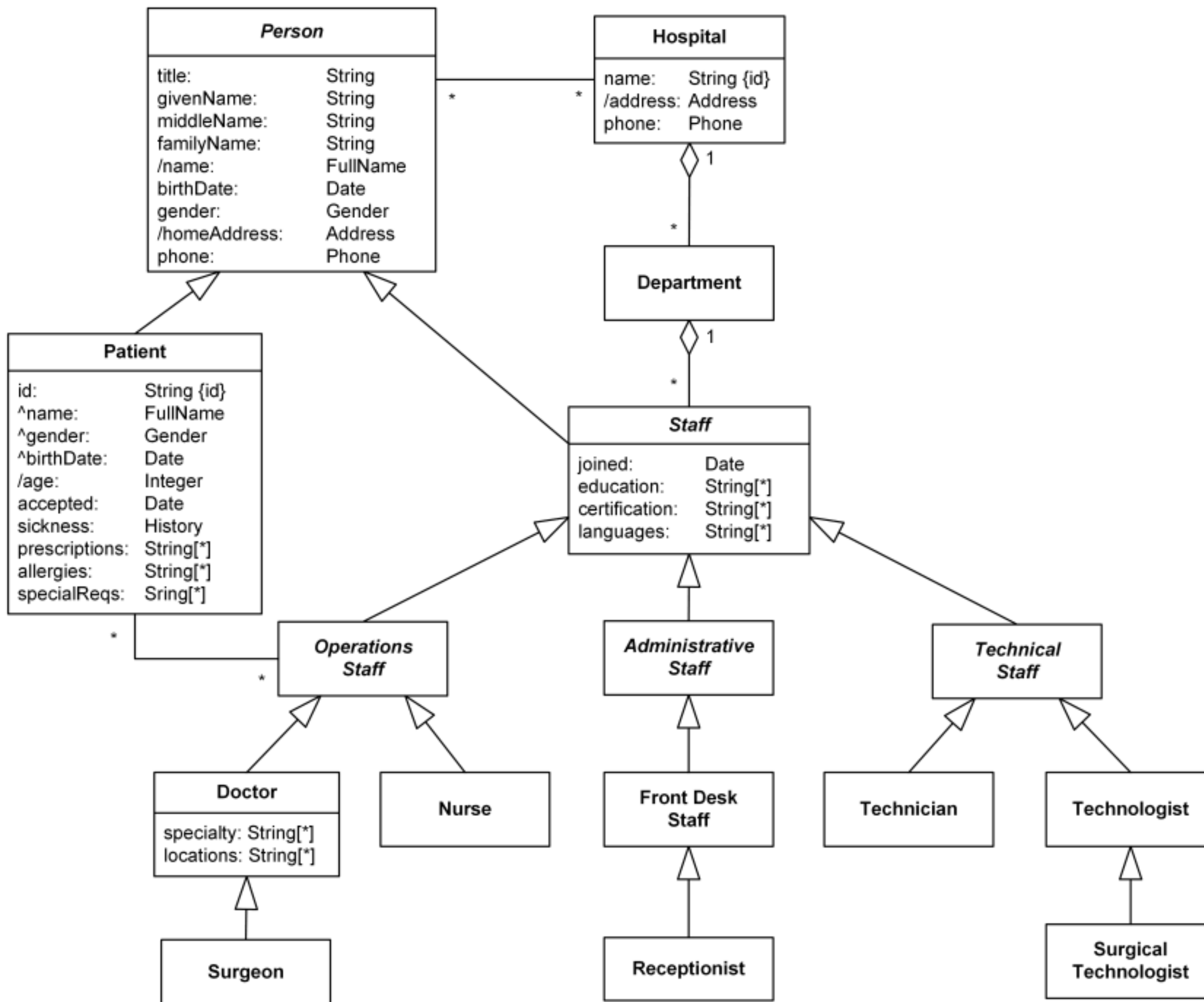
Банковские счета



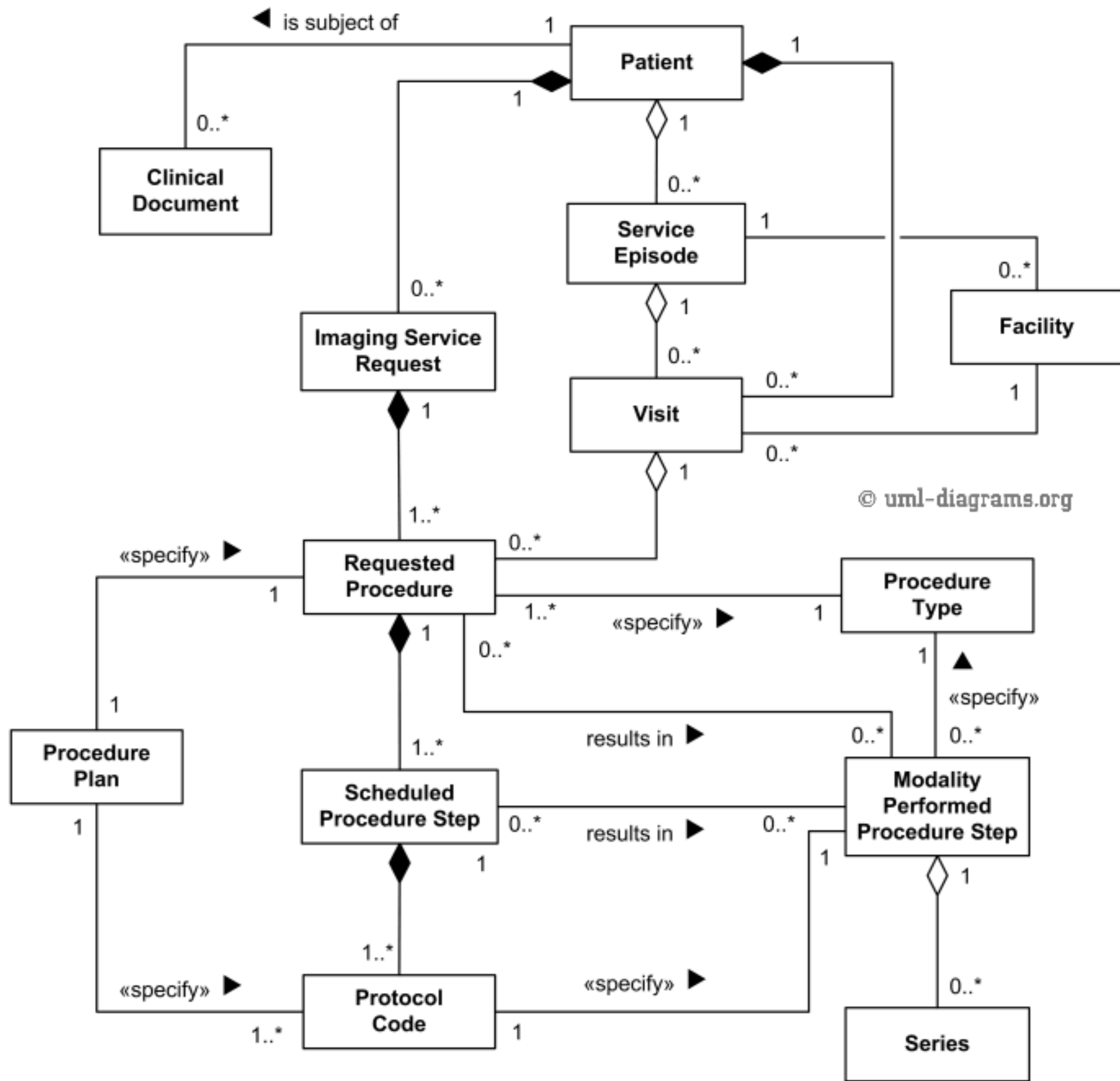
Online магазин



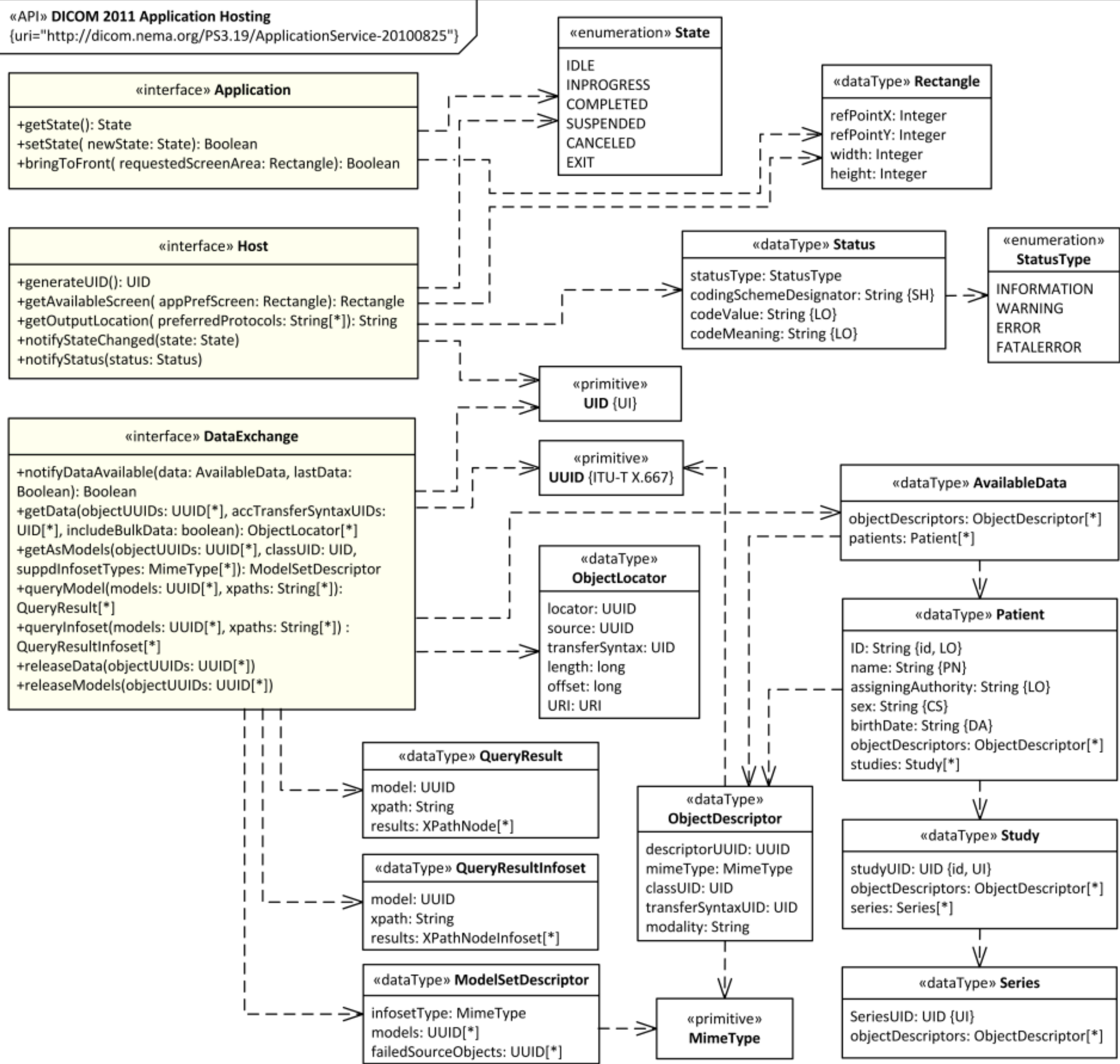
Организационная структура медицинской организации



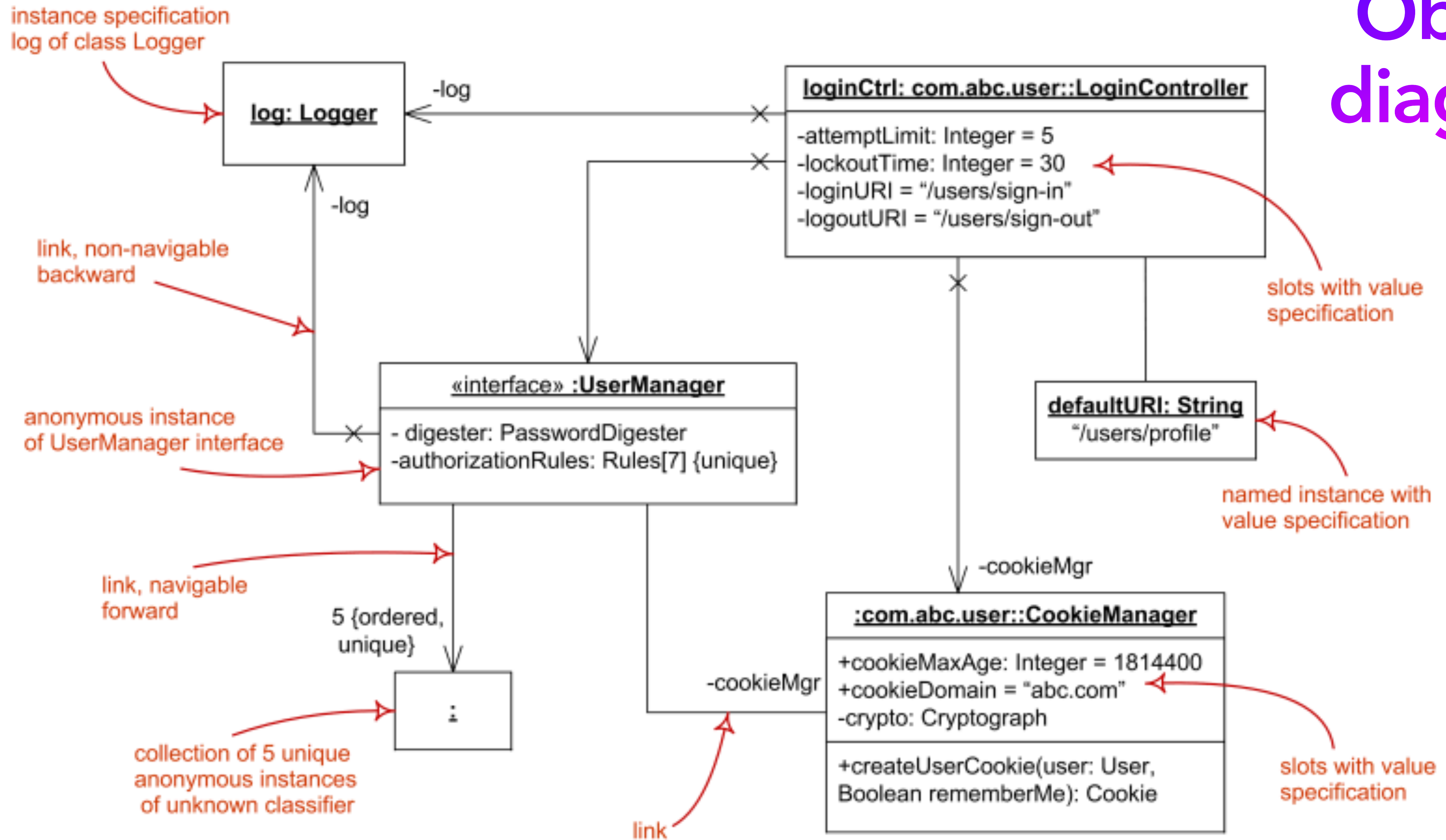
Посещение пациентом медицинской организации



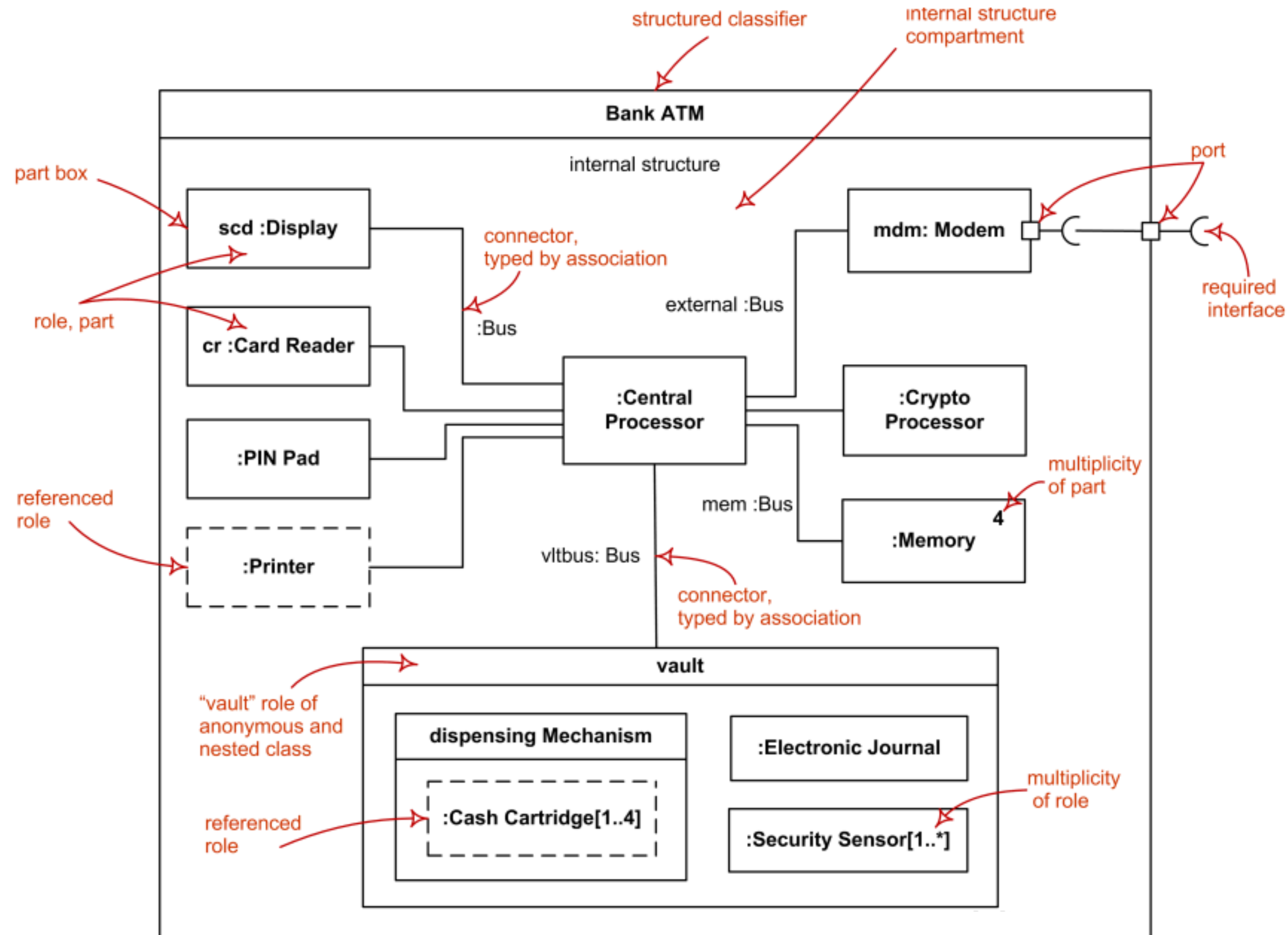
DICOM API



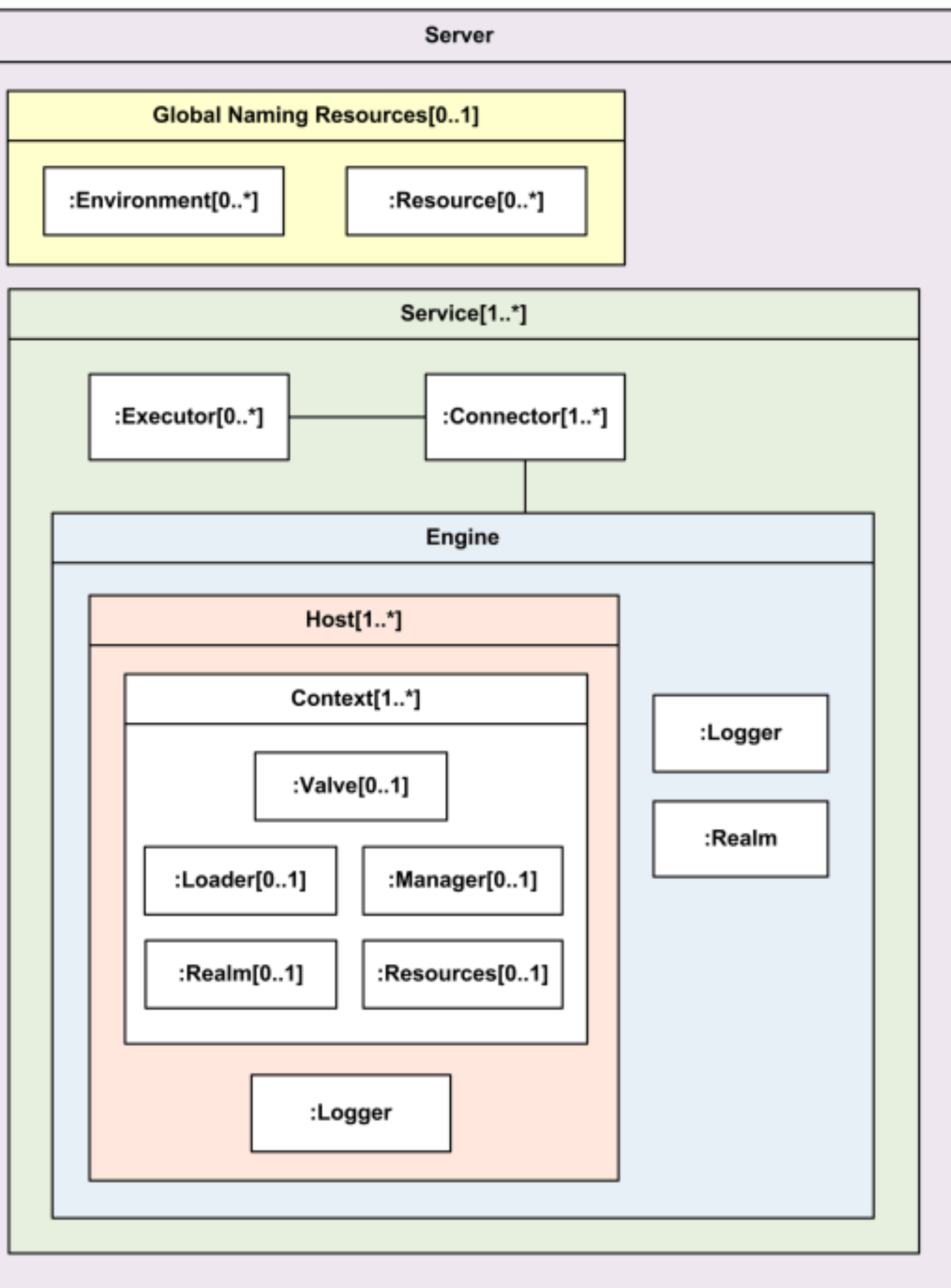
Object diagram

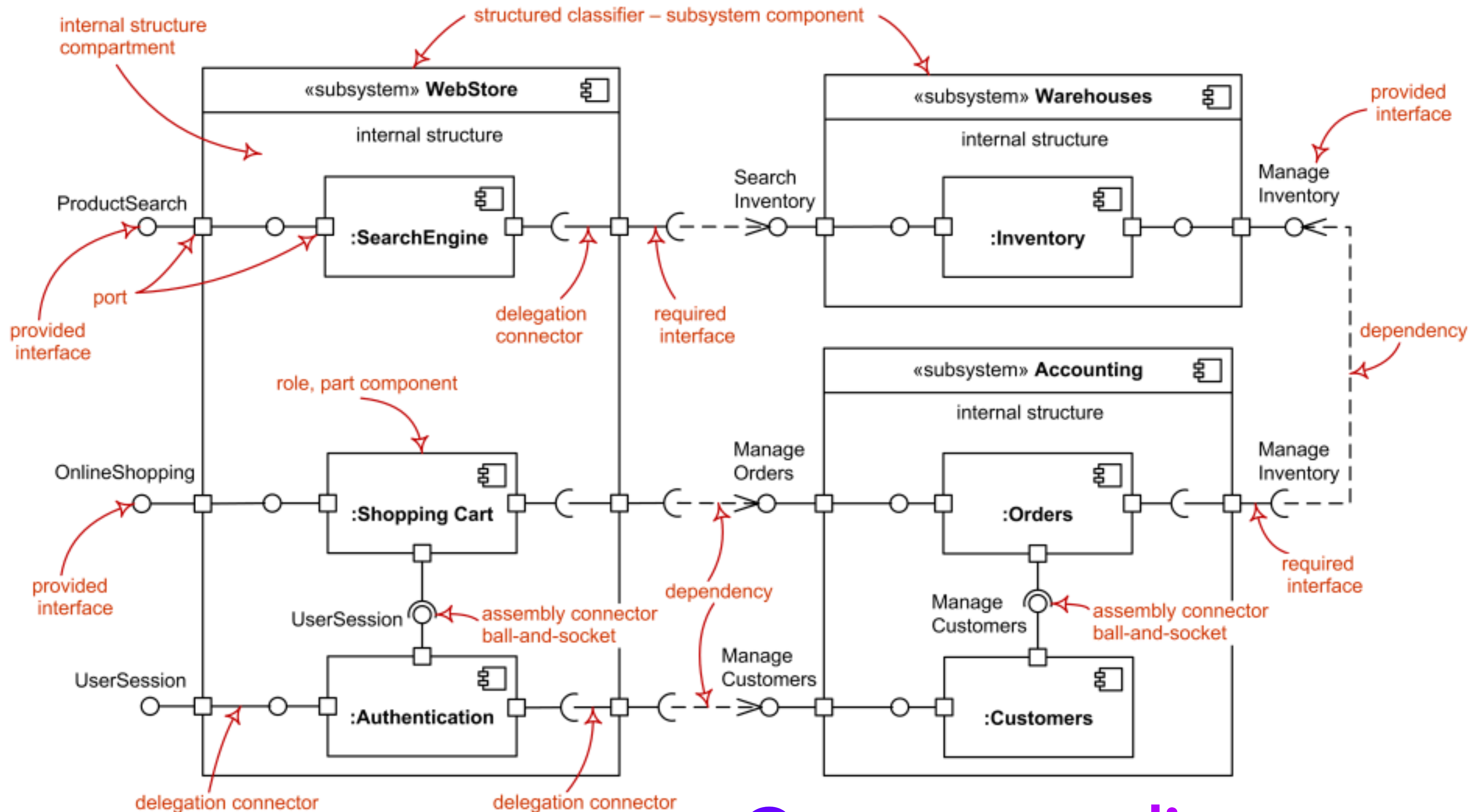


Composite structure diagram



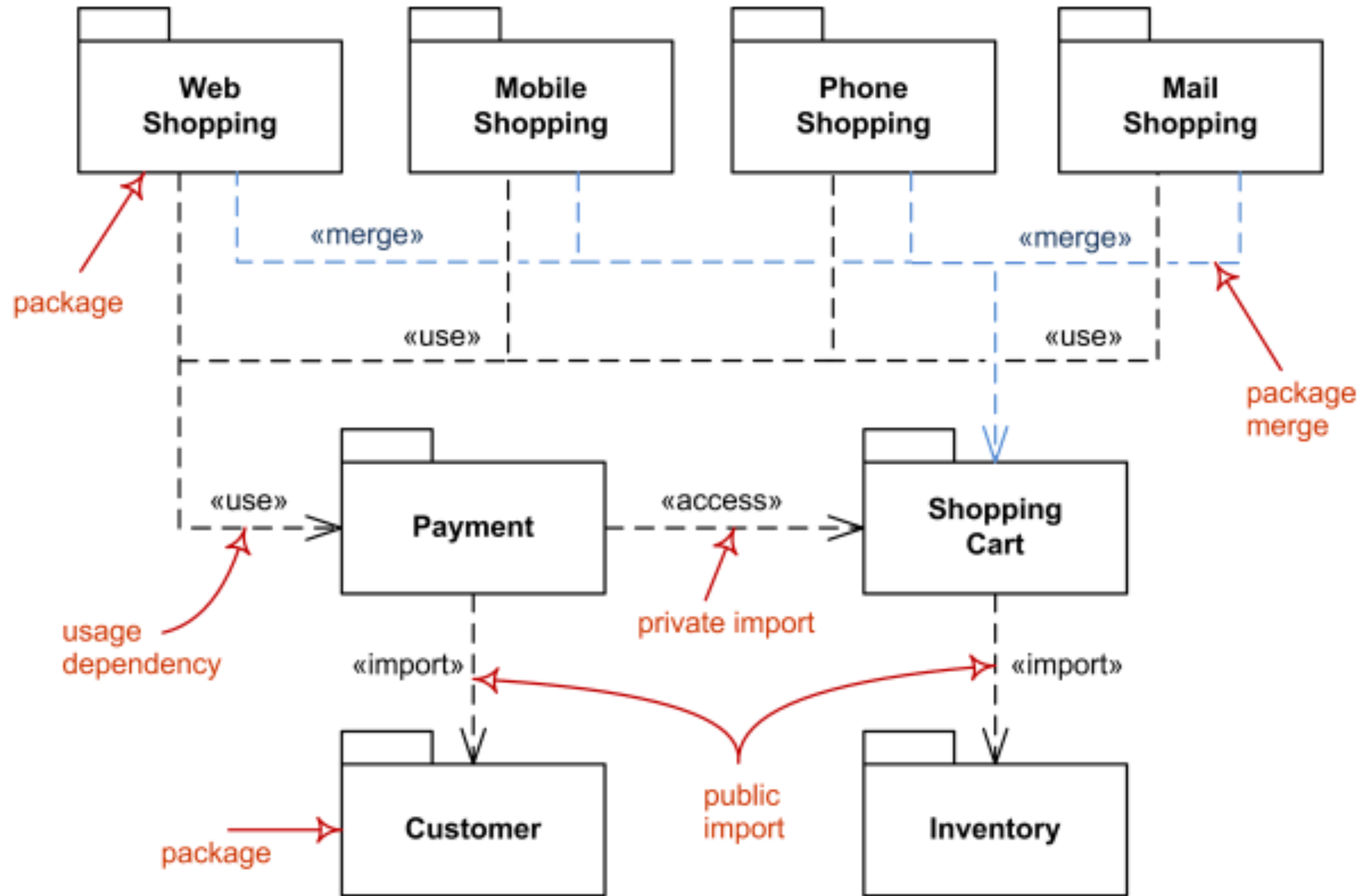
Apache Tomcat



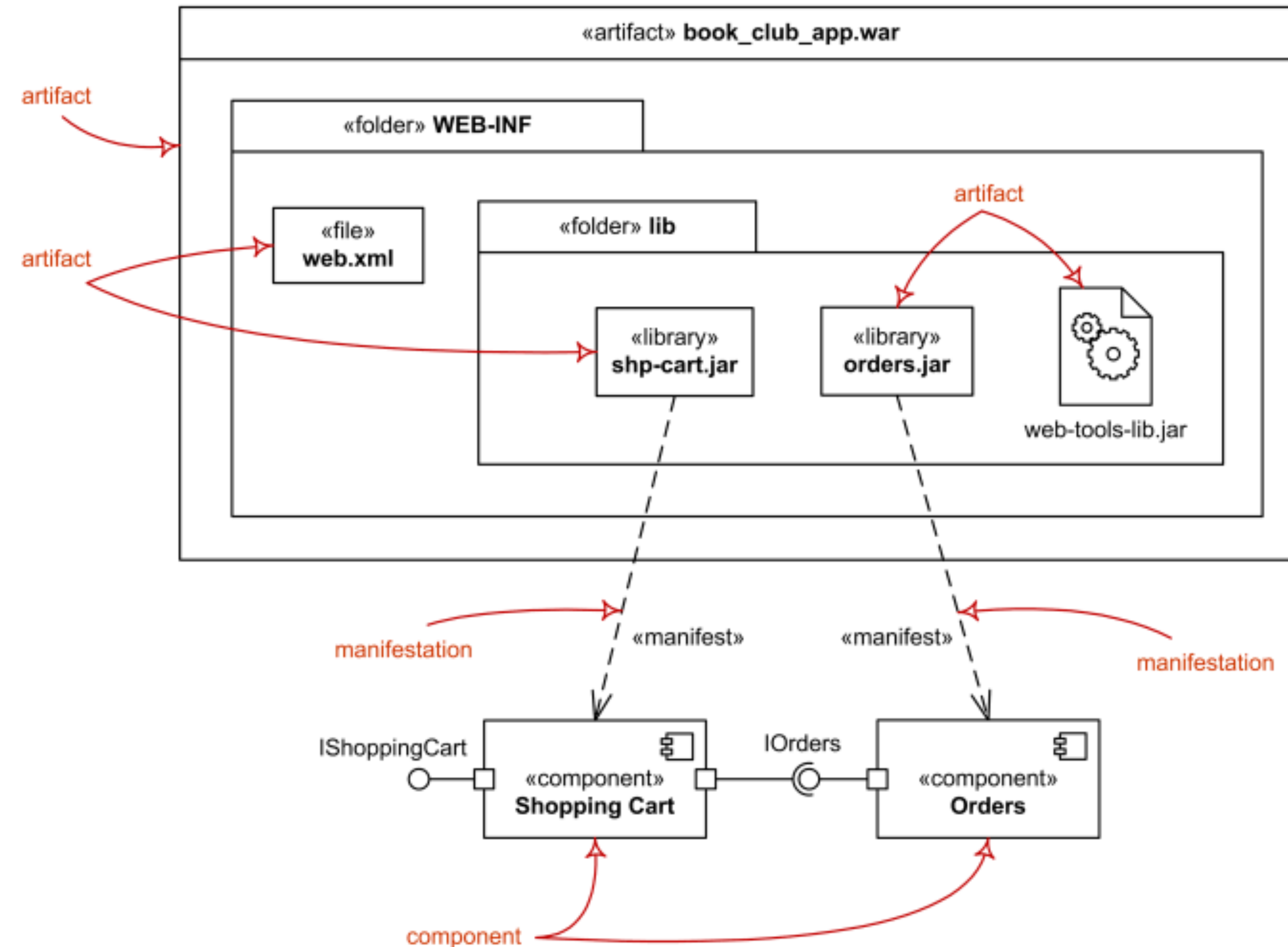


Component diagram

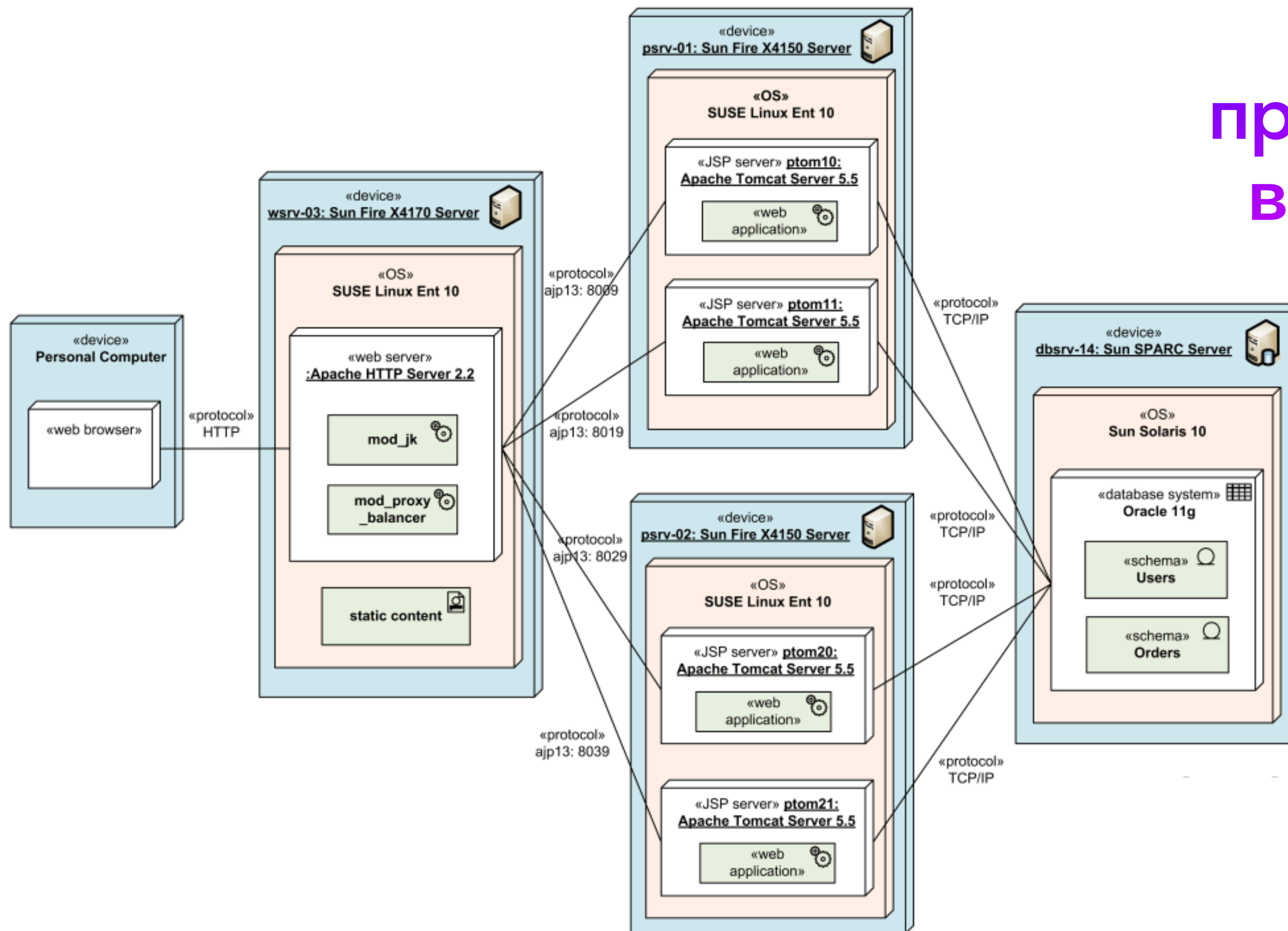
Package diagram



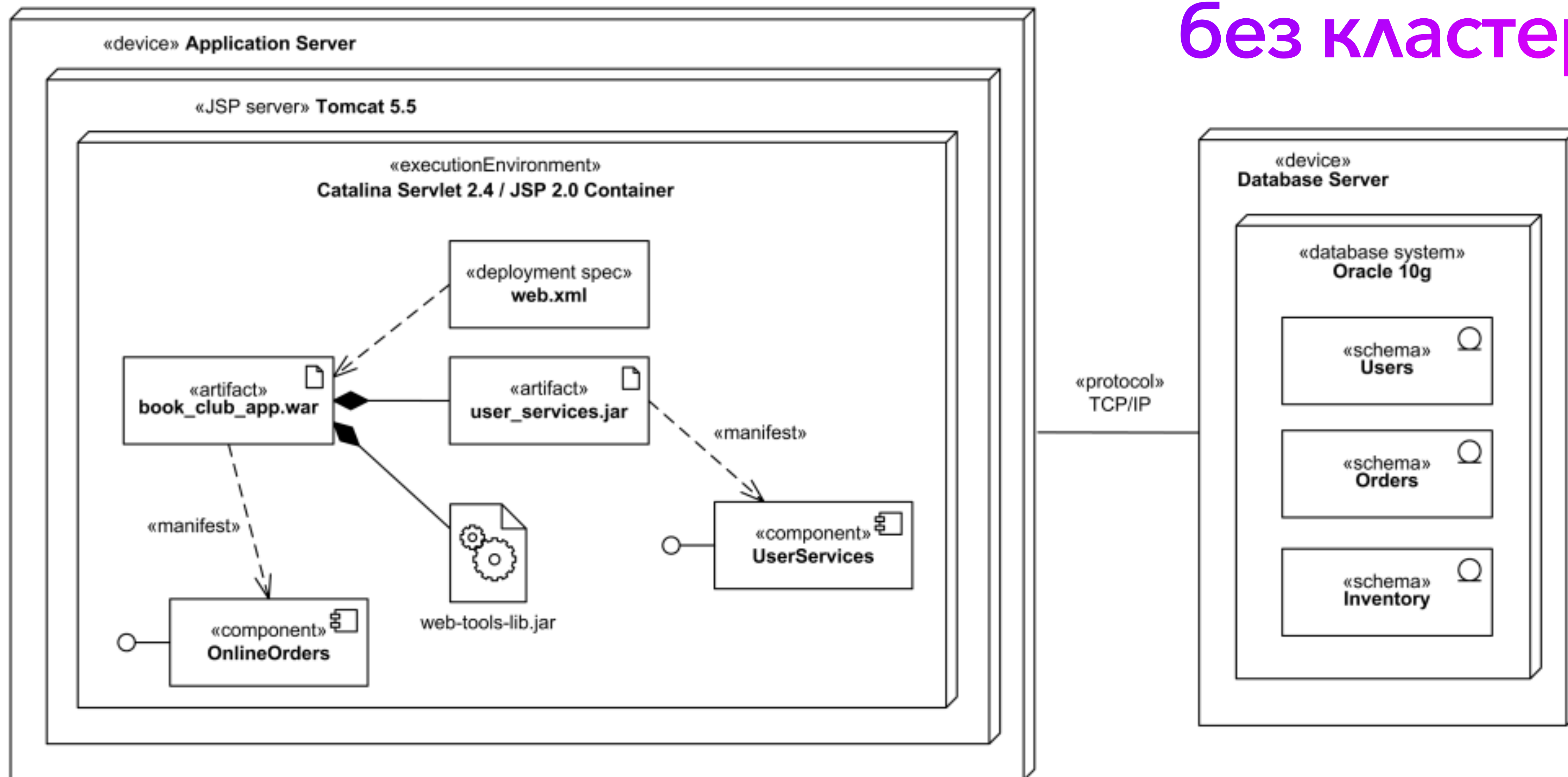
Deployment diagram



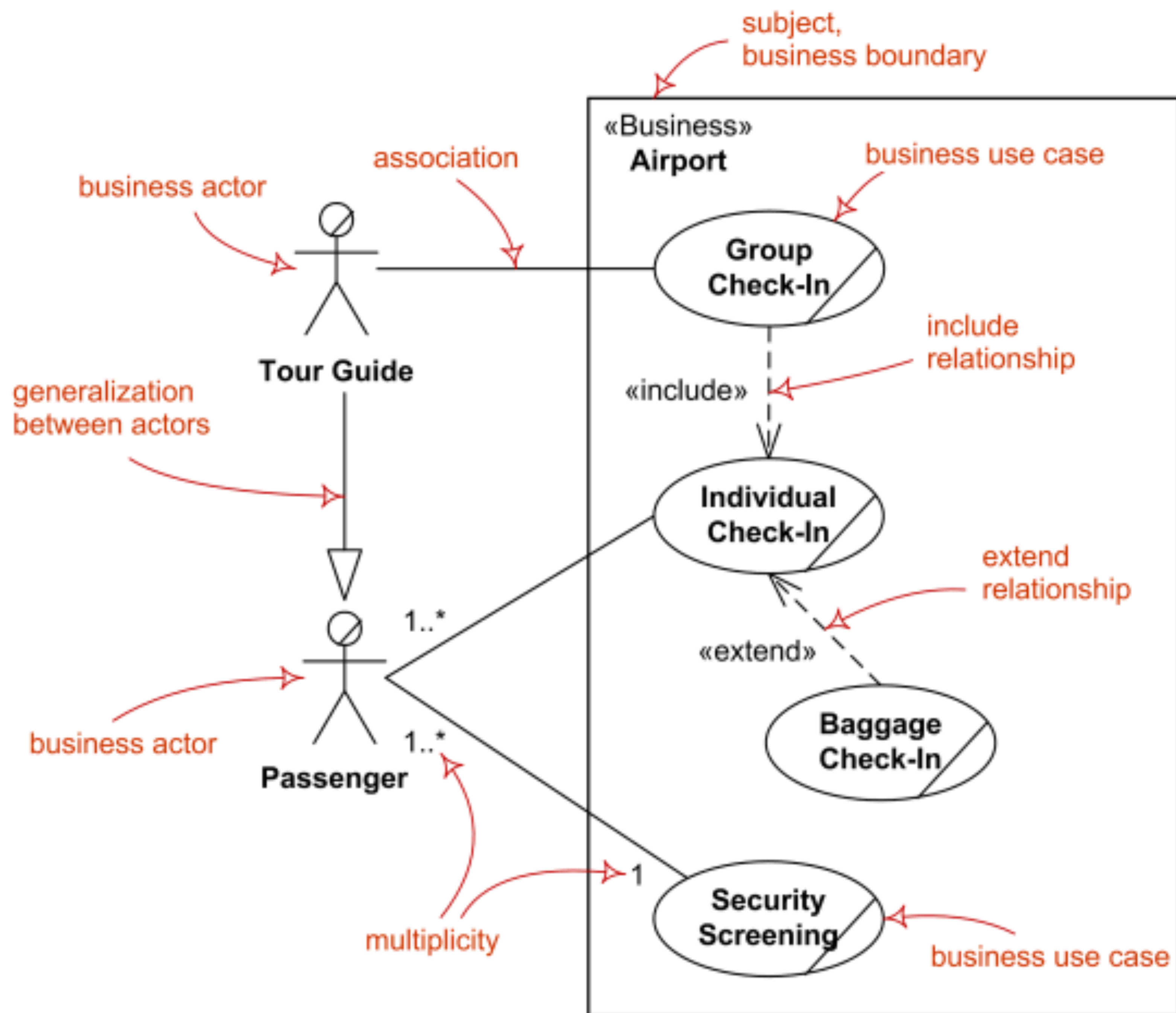
Java приложение в кластере



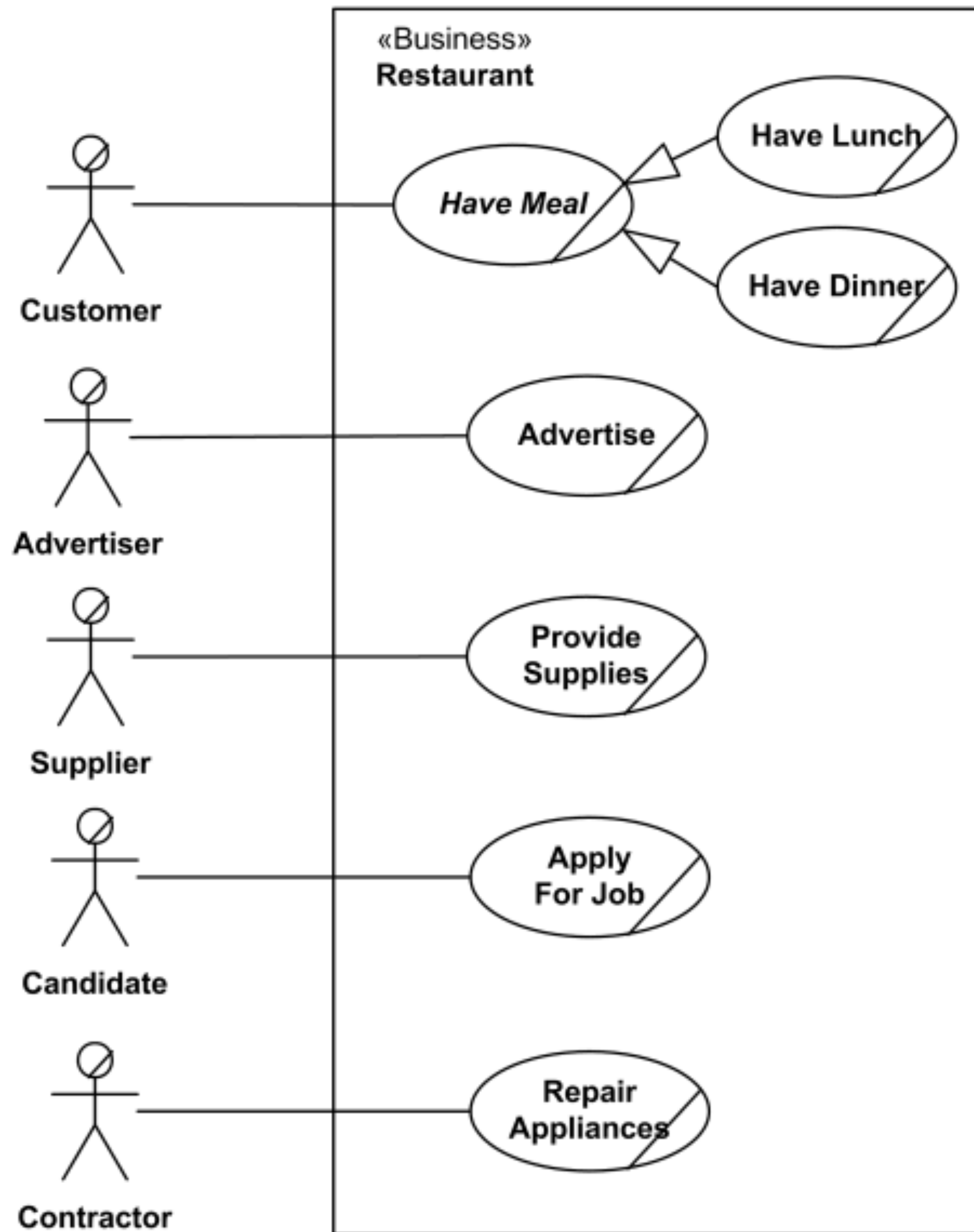
Java приложение без кластера



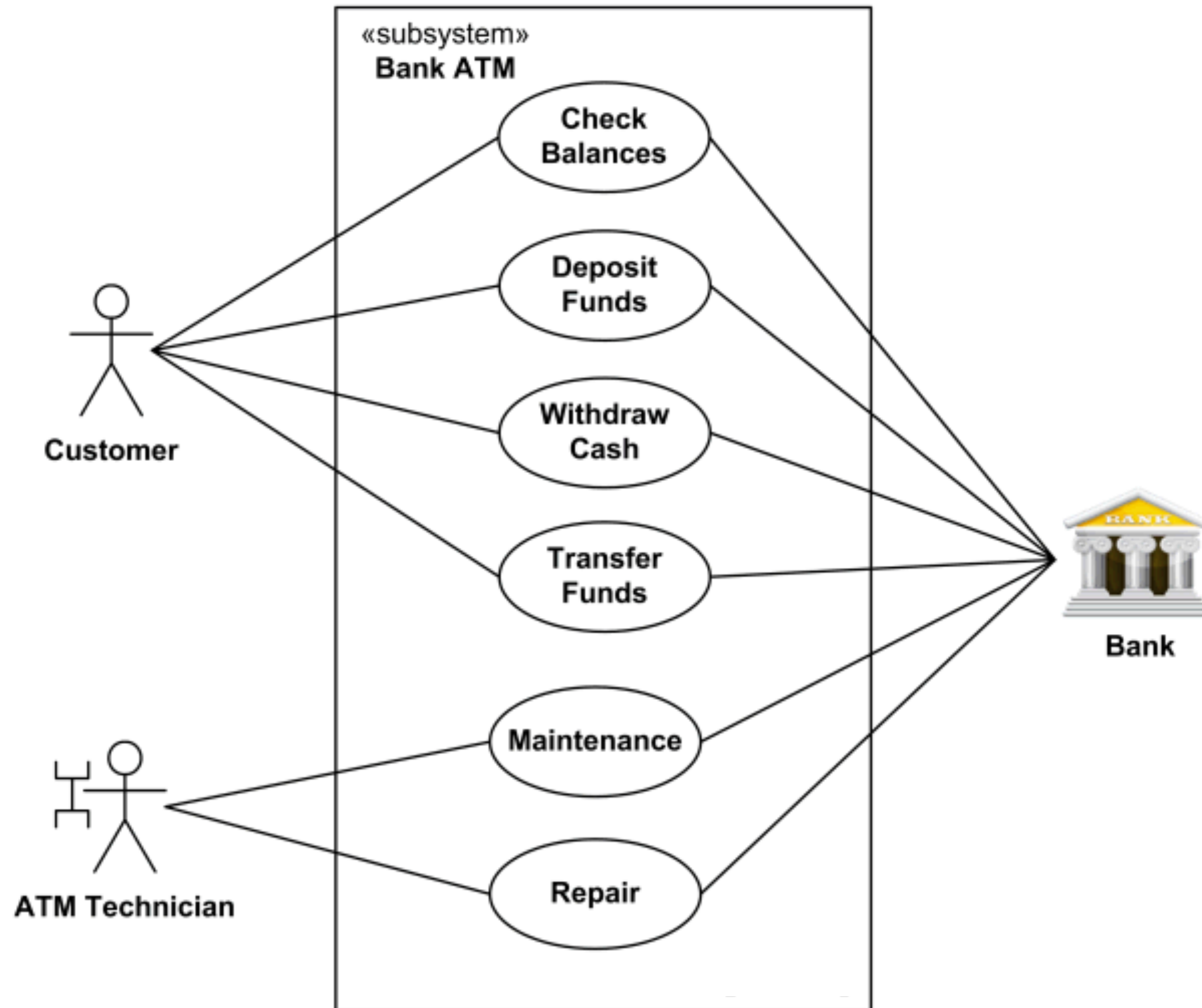
Use case

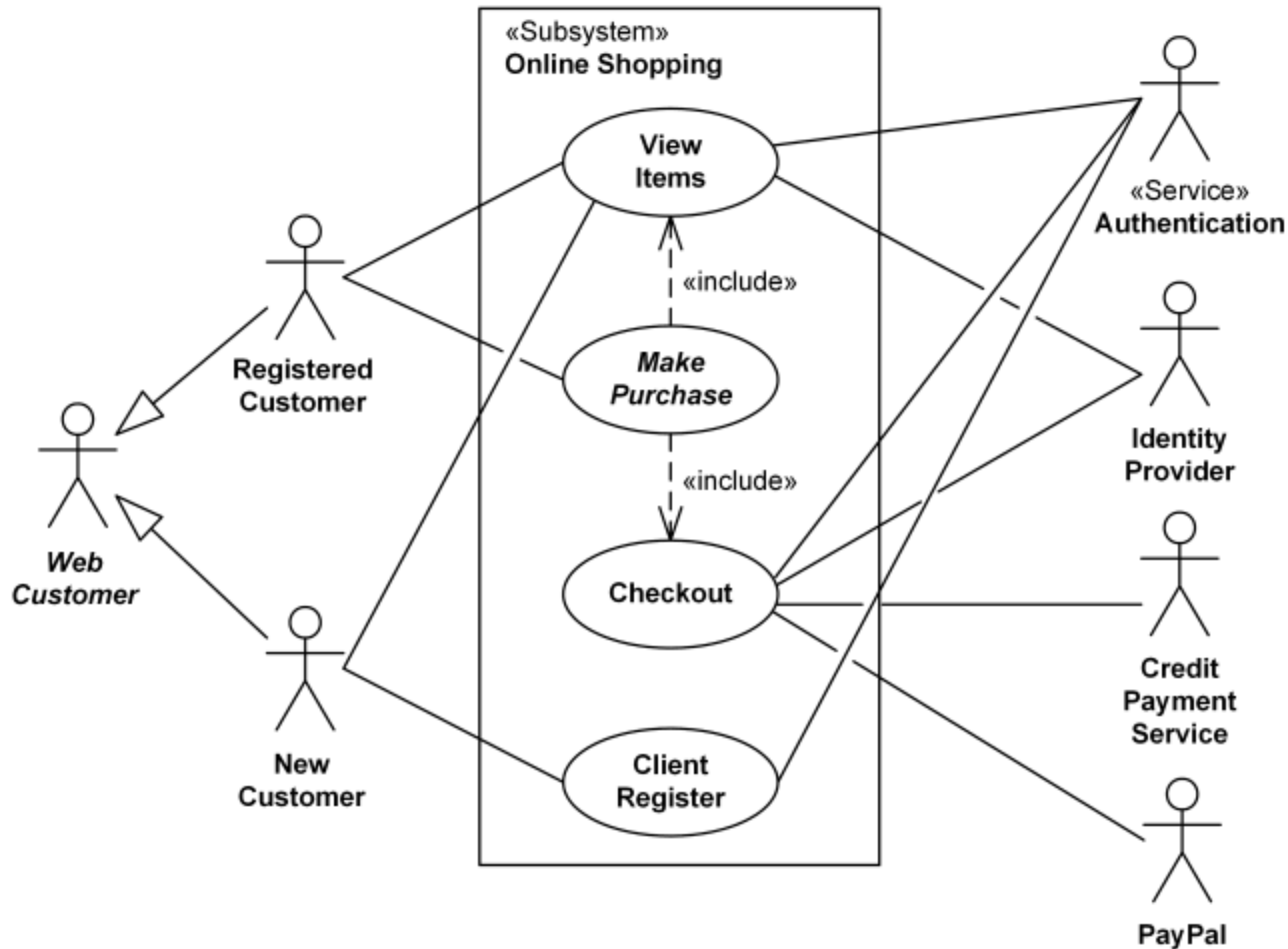


Ресторан

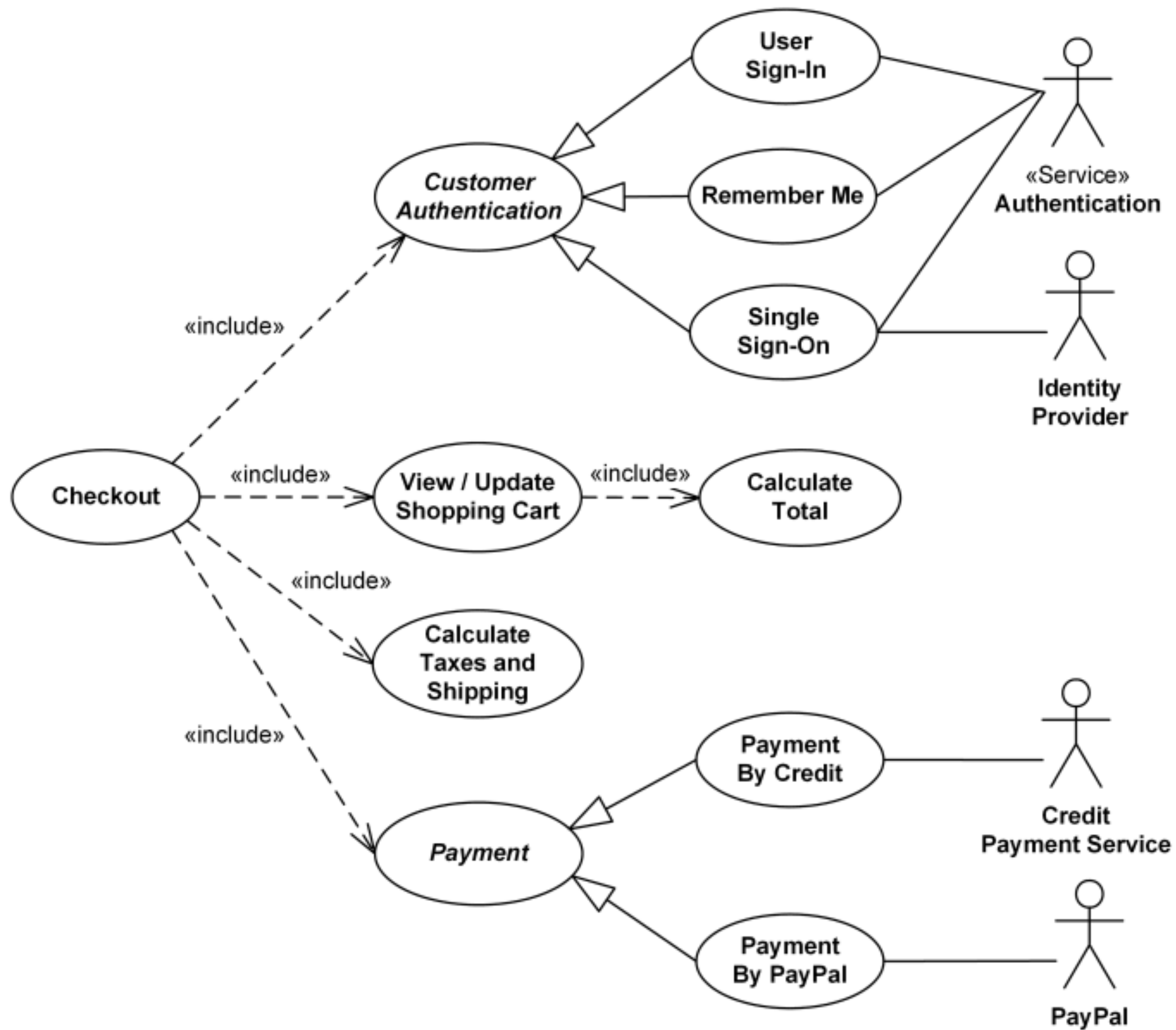


Банкомат



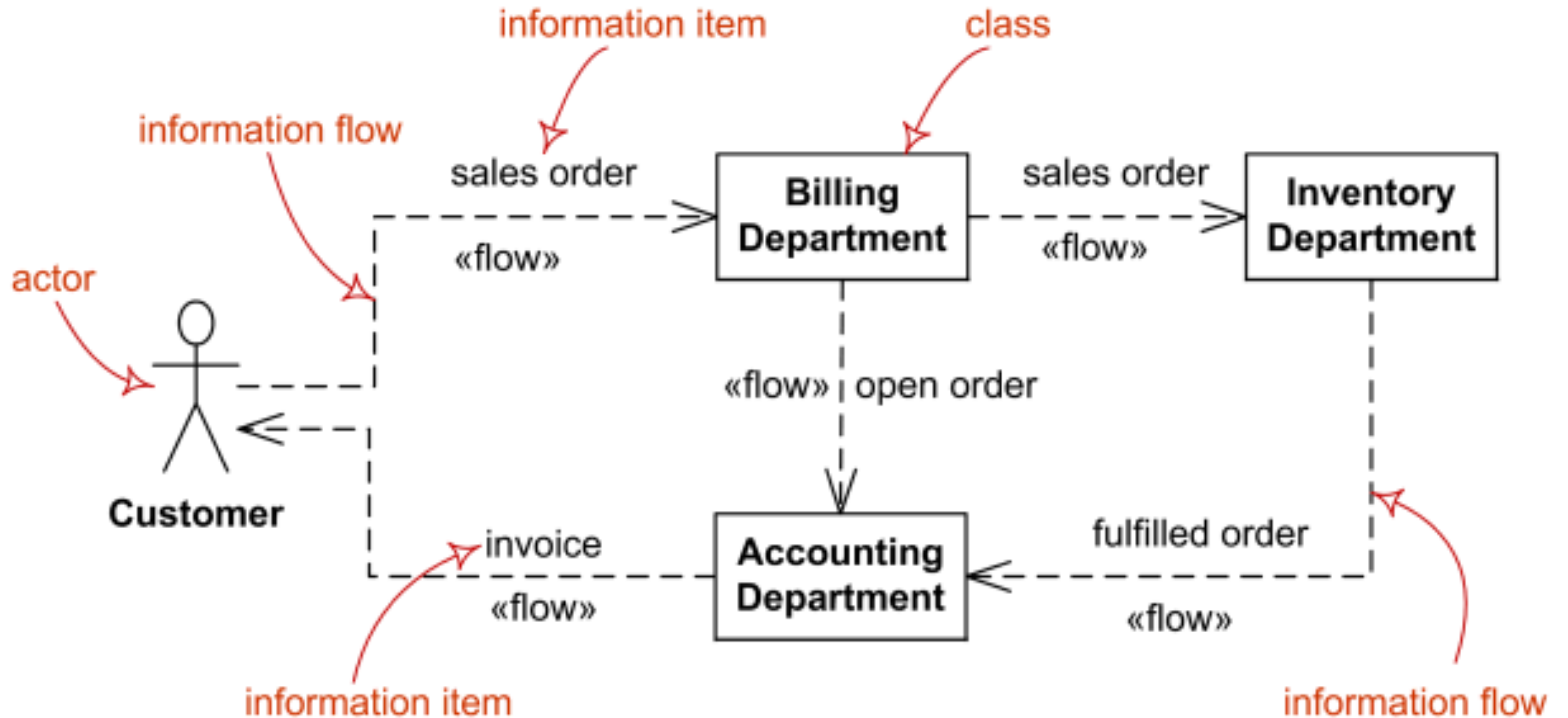


Online
Магазин

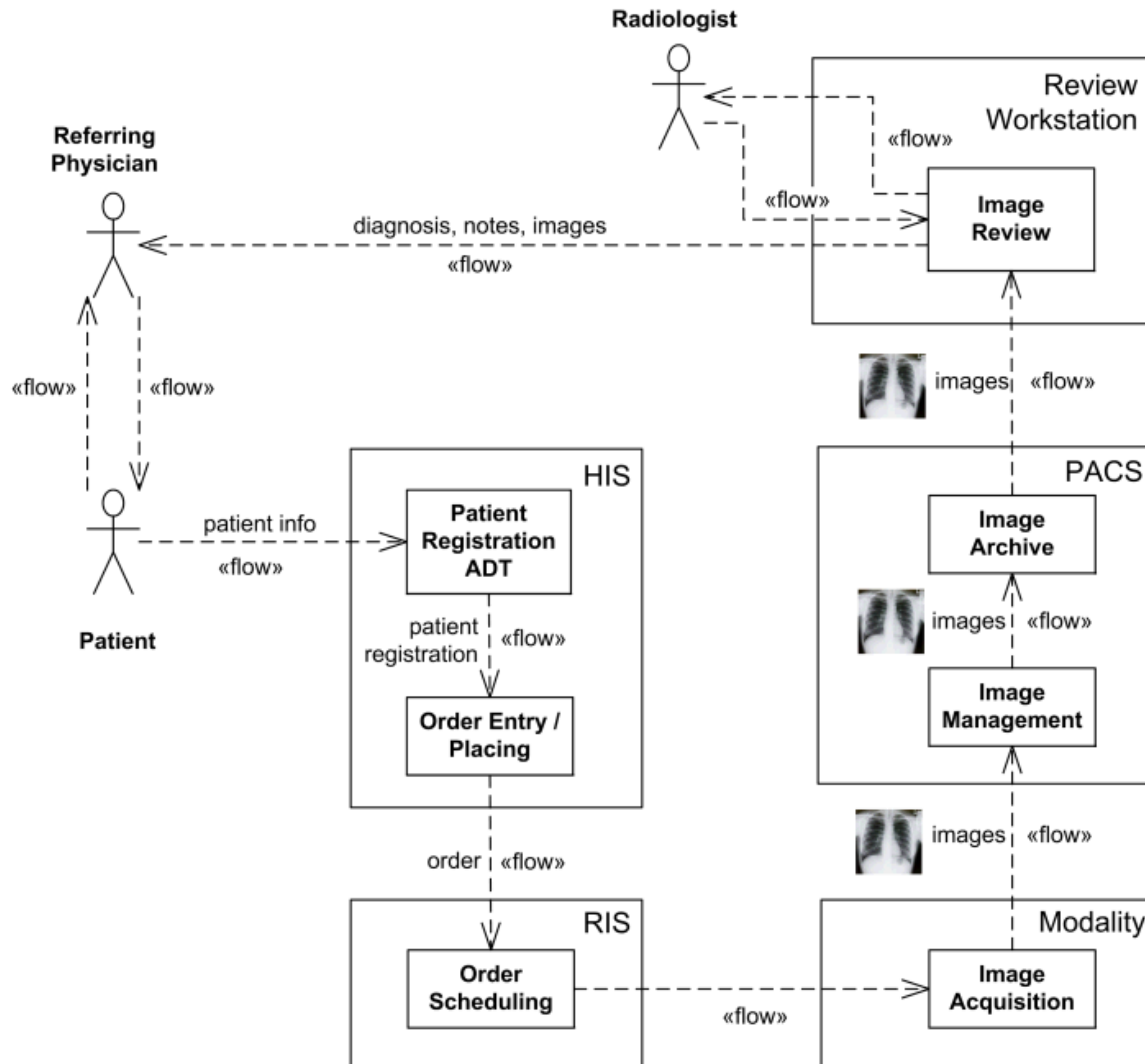


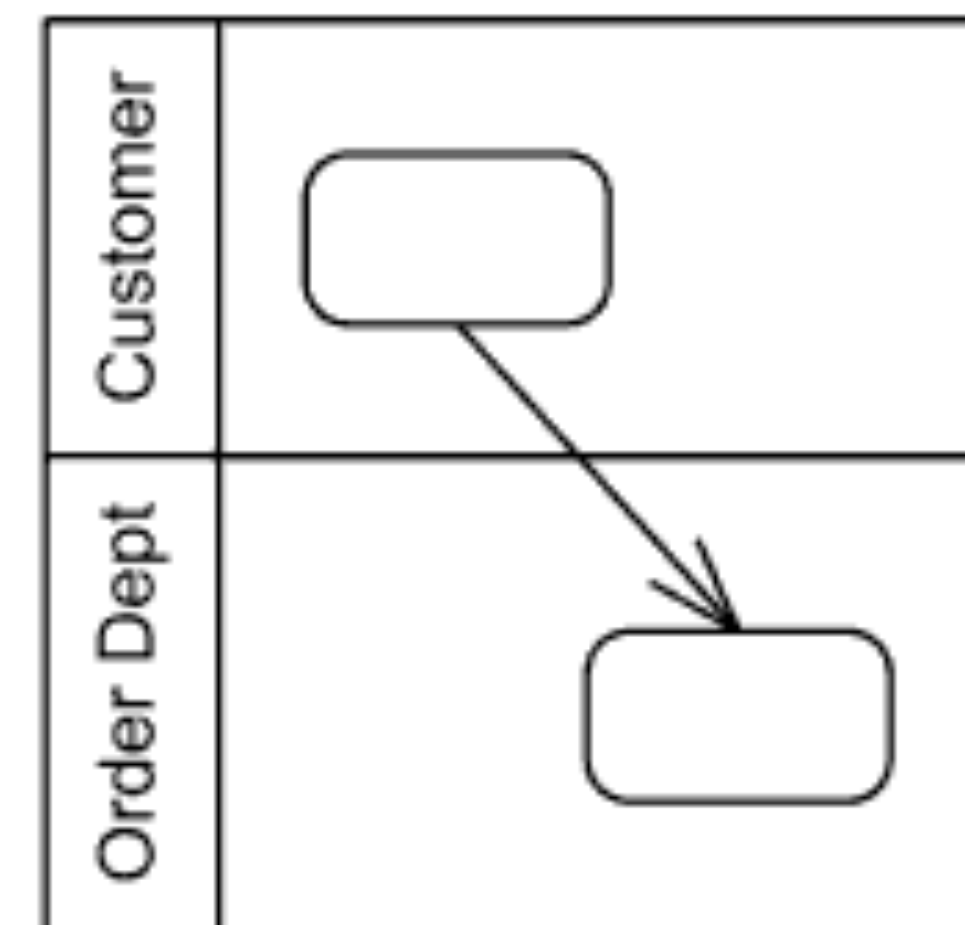
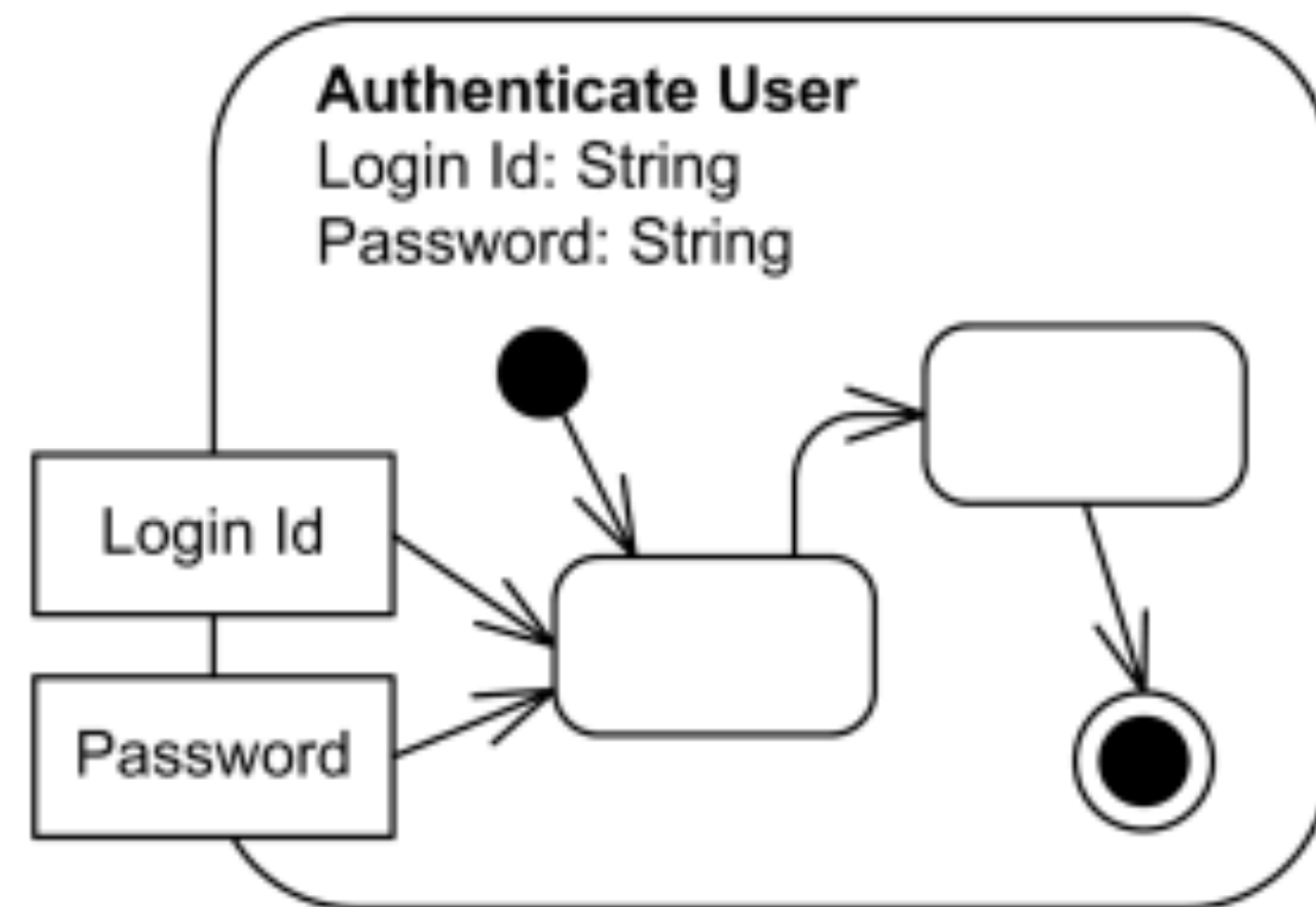
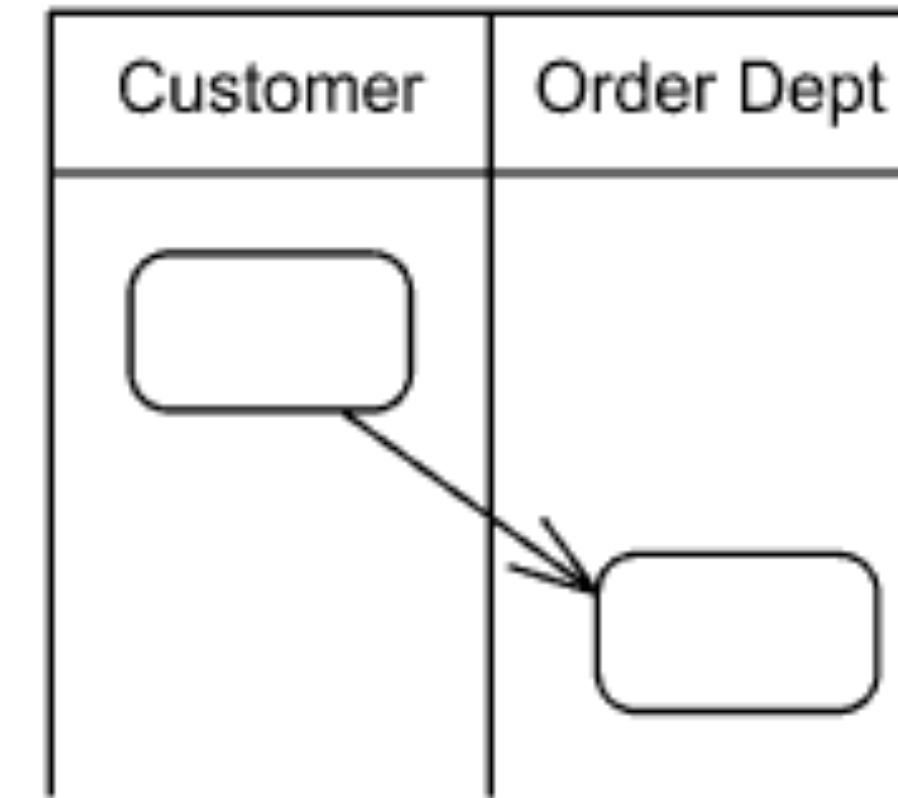
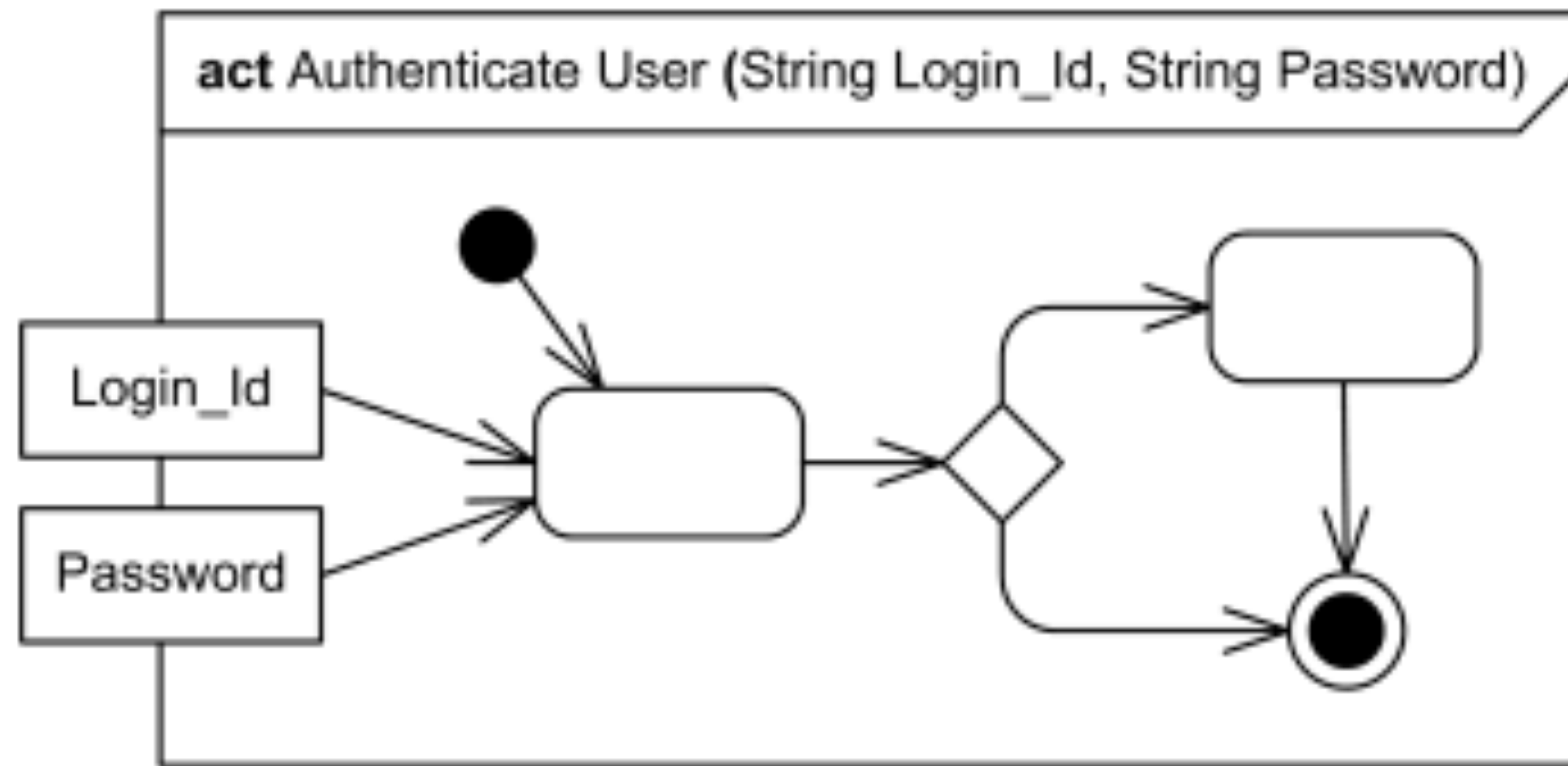
Online
Магазин

Information flow



MPT





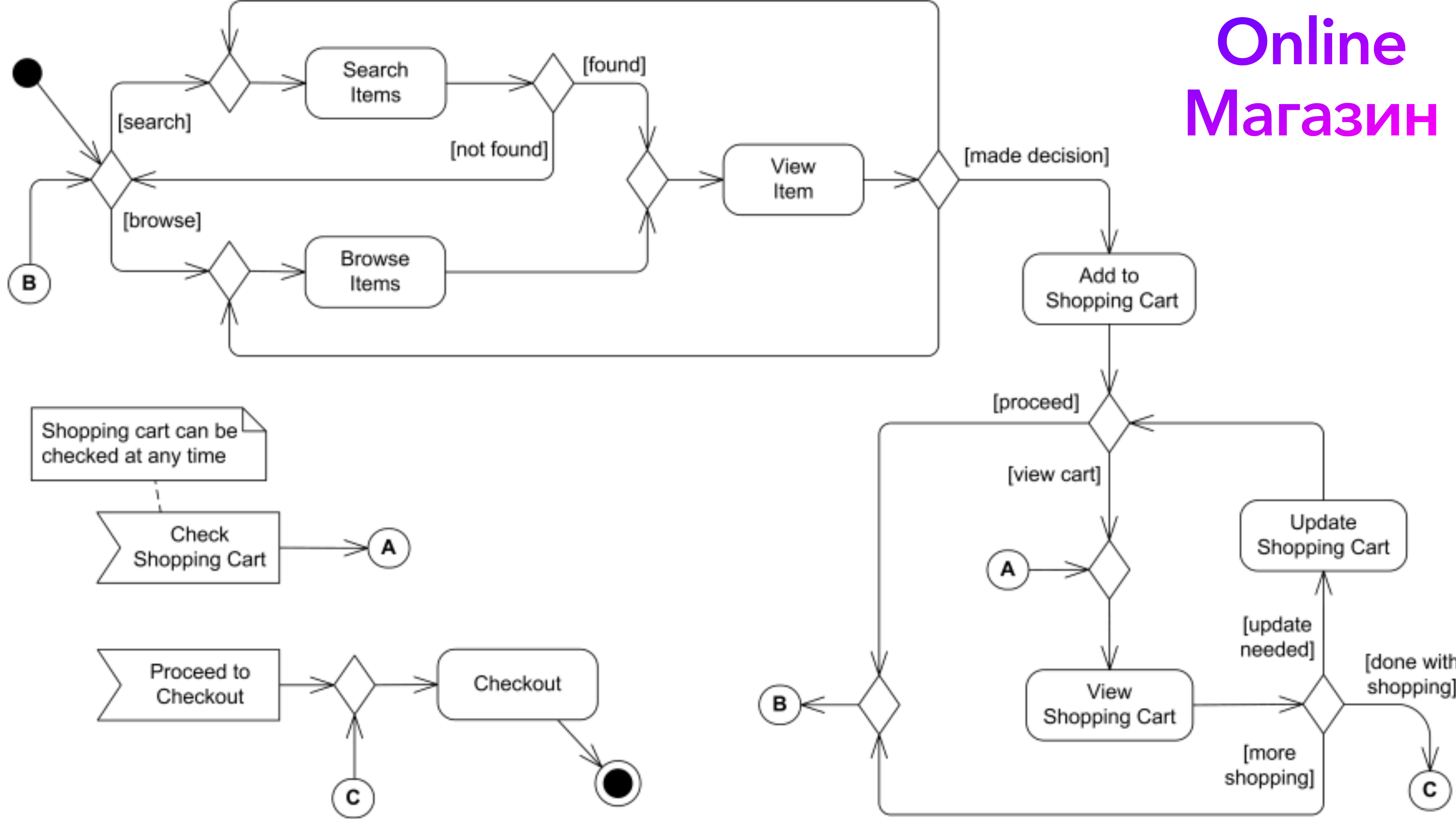
**Activity
и BPMN
(Business
process
model
and
notation)**

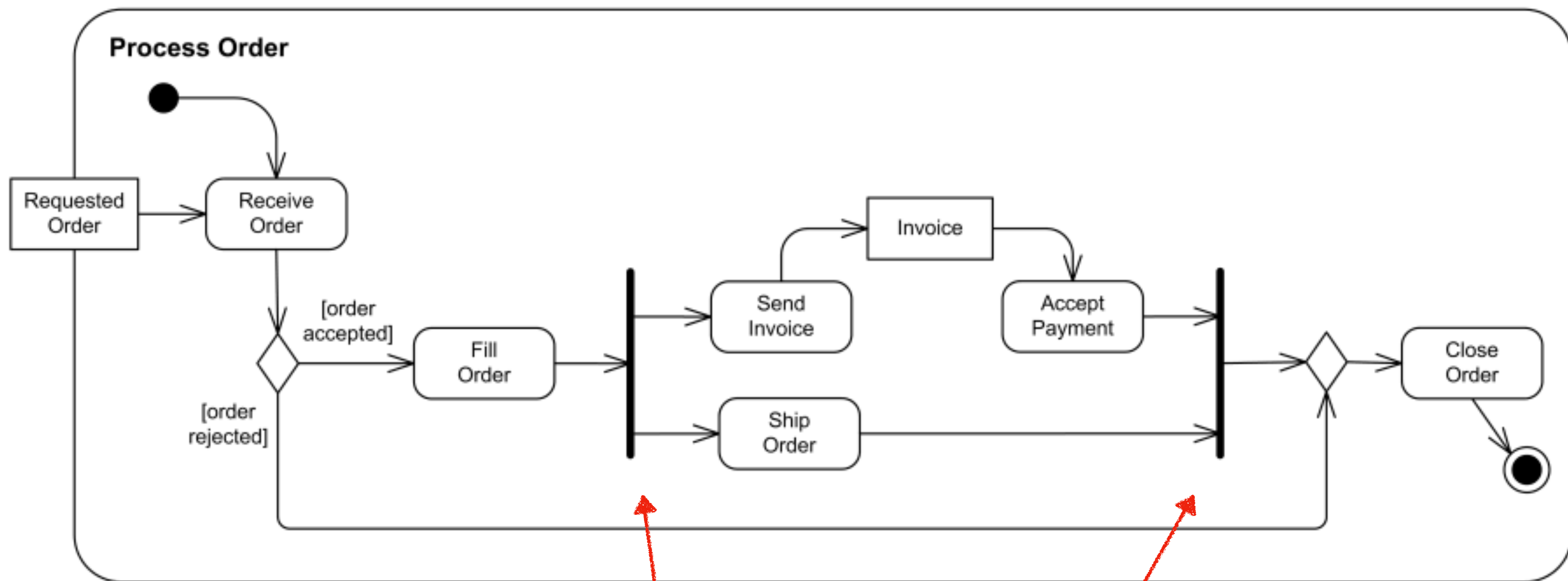
Online Магазин

```

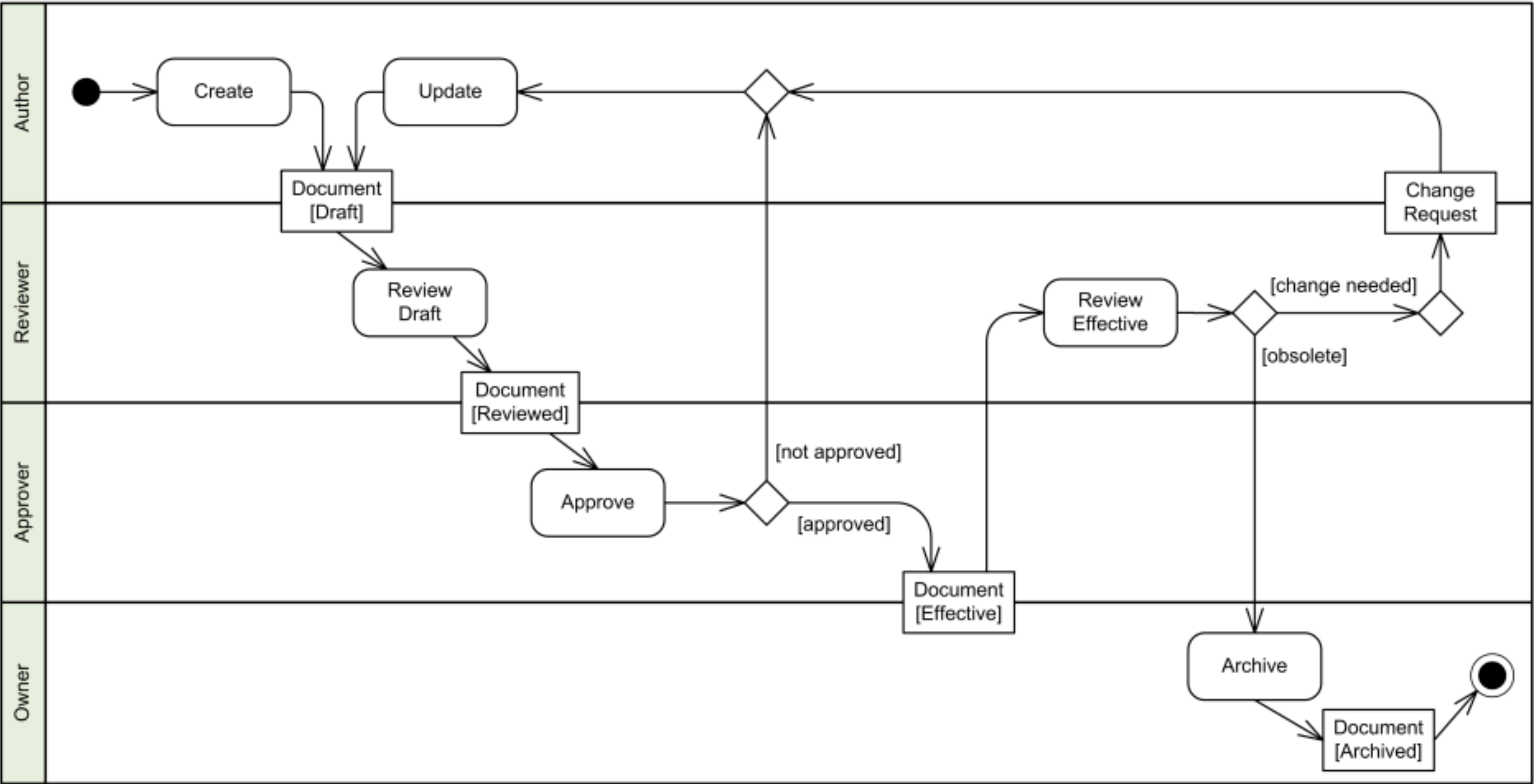
    graph TD
      Start(( )) --> J1{ }
      J1 -- "[search]" --> J2{ }
      J1 -- "[browse]" --> J3{ }
      J2 --> S[Search Items]
      S -- "[found]" --> J4{ }
      S -- "[not found]" --> J1
      J3 --> B[Browse Items]
      B --> J4
      J4 --> J5{ }
      J5 -- "[made decision]" --> J6{ }
      J5 --> J1
      J6 --> A[Add to Shopping Cart]
      A --> J7{ }
      J7 -- "[proceed]" --> J8{ }
      J7 -- "[view cart]" --> J9{ }
      J9 --> V[View Shopping Cart]
      V -- "[more shopping]" --> J8
      V -- "[update needed]" --> U[Update Shopping Cart]
      U --> J9
      J8 --> J10{ }
      J10 --> J1
      J10 --> J7
      J10 --> B2((B))
      J9 --> J11{ }
      J11 -- "[done with shopping]" --> End(( ))
      J11 -- "[done with shopping]" --> C((C))
      J11 -- "[done with shopping]" --> J10
      J11 -- "[done with shopping]" --> J9
  
```

The diagram illustrates the workflow of an online store. It begins with a start node leading to a decision diamond. From this diamond, two paths emerge: one labeled "[search]" leading to another decision diamond, and another labeled "[browse]" leading to a third decision diamond. The "[search]" path continues to a "Search Items" activity, which then leads to a decision diamond. If the item is "[found]", it leads to a fourth decision diamond; if "[not found]", it loops back to the first decision diamond. The "[browse]" path leads to a "Browse Items" activity, which also leads to the fourth decision diamond. From the fourth decision diamond, a path labeled "[made decision]" leads to a fifth decision diamond, while another path loops back to the first decision diamond. The fifth decision diamond leads to an "Add to Shopping Cart" activity, which then leads to a sixth decision diamond. From the sixth decision diamond, a path labeled "[proceed]" leads to a seventh decision diamond, and another path labeled "[view cart]" leads to an eighth decision diamond. The eighth decision diamond leads to a "View Shopping Cart" activity. From "View Shopping Cart", a path labeled "[more shopping]" leads to the seventh decision diamond, and a path labeled "[update needed]" leads to an "Update Shopping Cart" activity, which then loops back to the eighth decision diamond. The seventh decision diamond has three outgoing paths: one labeled "[proceed]" leading to the seventh decision diamond, another labeled "[view cart]" leading to the eighth decision diamond, and a third leading to a ninth decision diamond. The ninth decision diamond has three outgoing paths: one labeled "[done with shopping]" leading to the end node, another labeled "[done with shopping]" leading to a circle labeled "C", and a third labeled "[done with shopping]" leading to the seventh decision diamond. A note "Shopping cart can be checked at any time" is connected to a "Check Shopping Cart" activity, which leads to a circle labeled "A". The "Check Shopping Cart" activity is connected to the eighth decision diamond. A "Proceed to Checkout" activity leads to a tenth decision diamond, which leads to a "Checkout" activity, which then leads to the end node. A circle labeled "C" is connected to the tenth decision diamond.

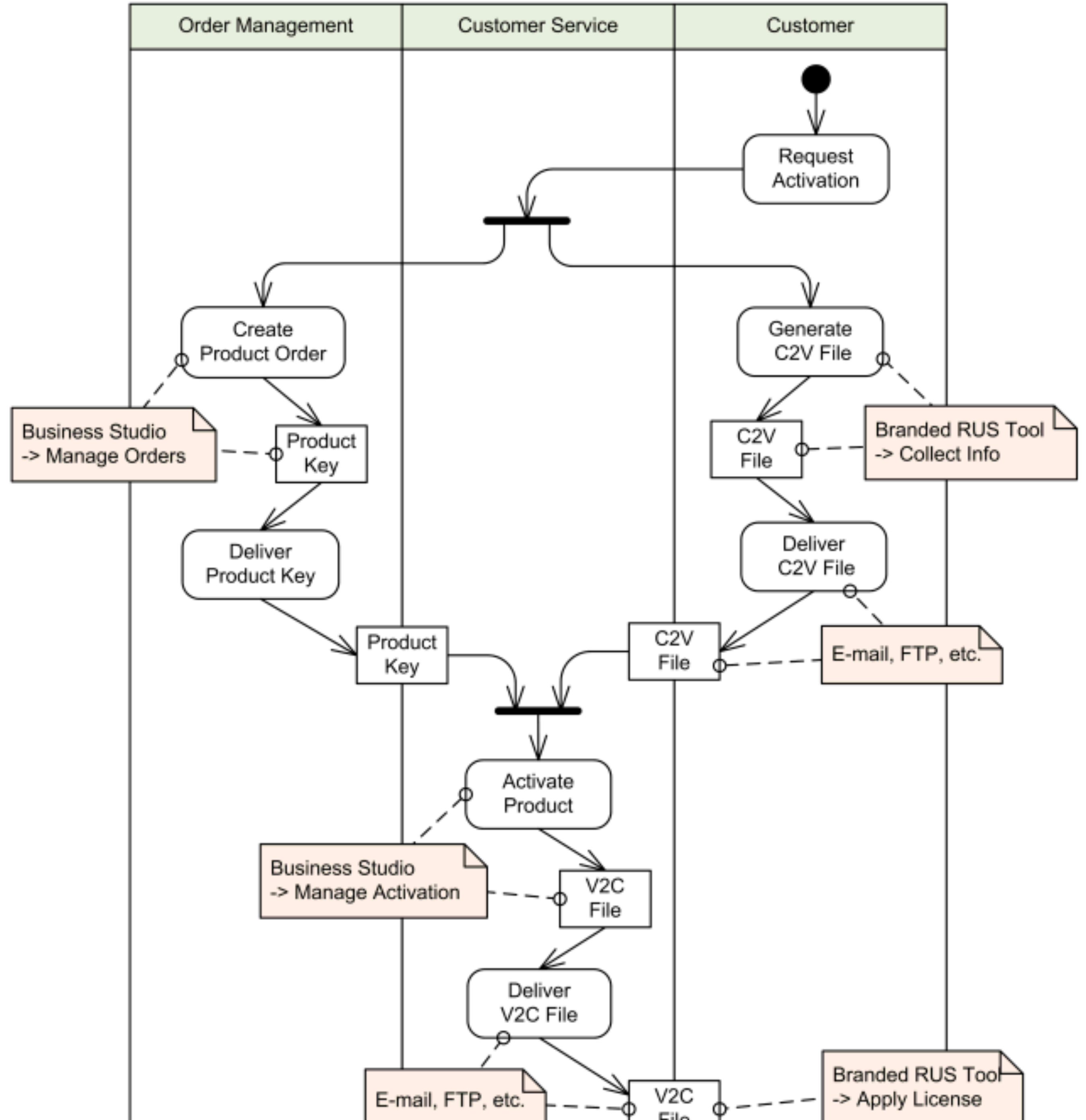
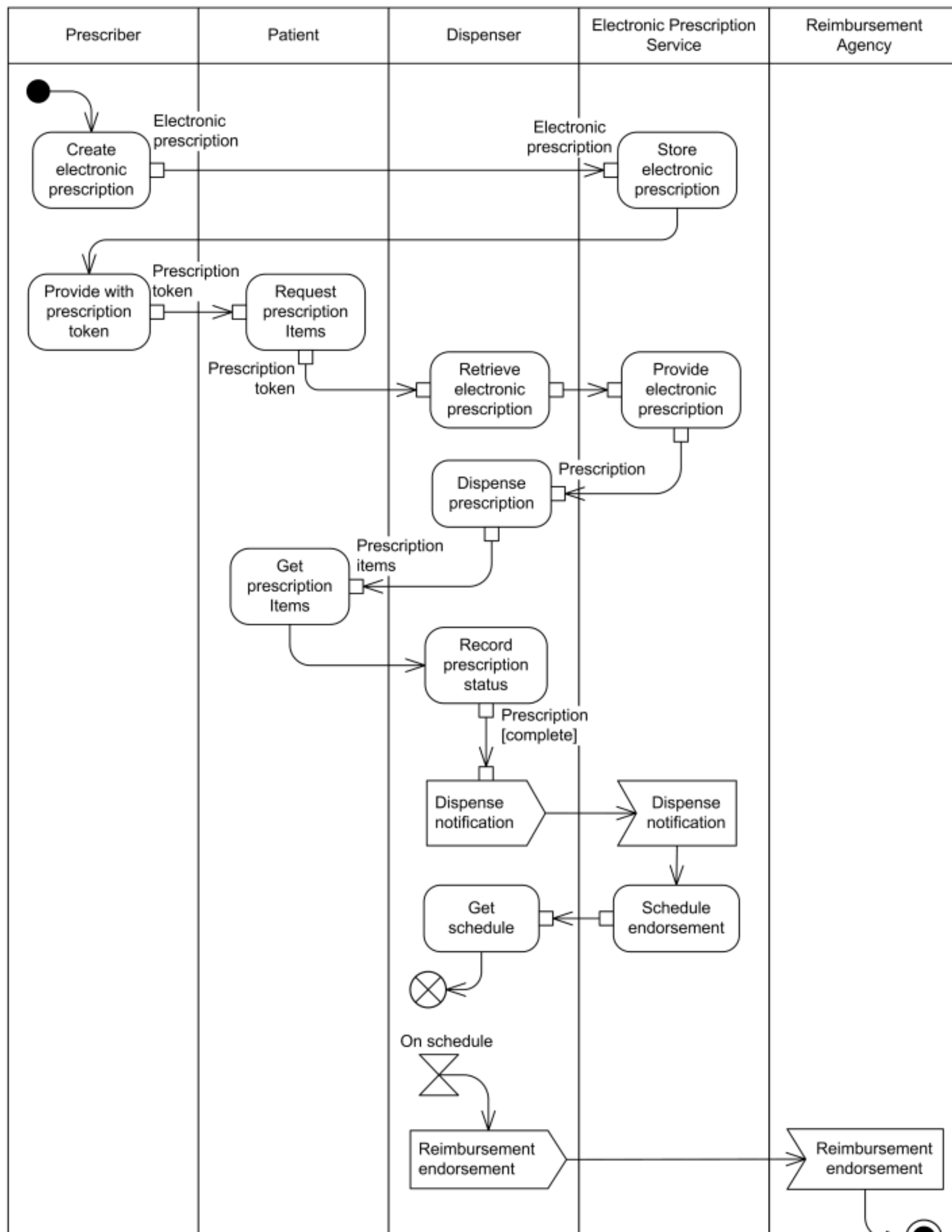




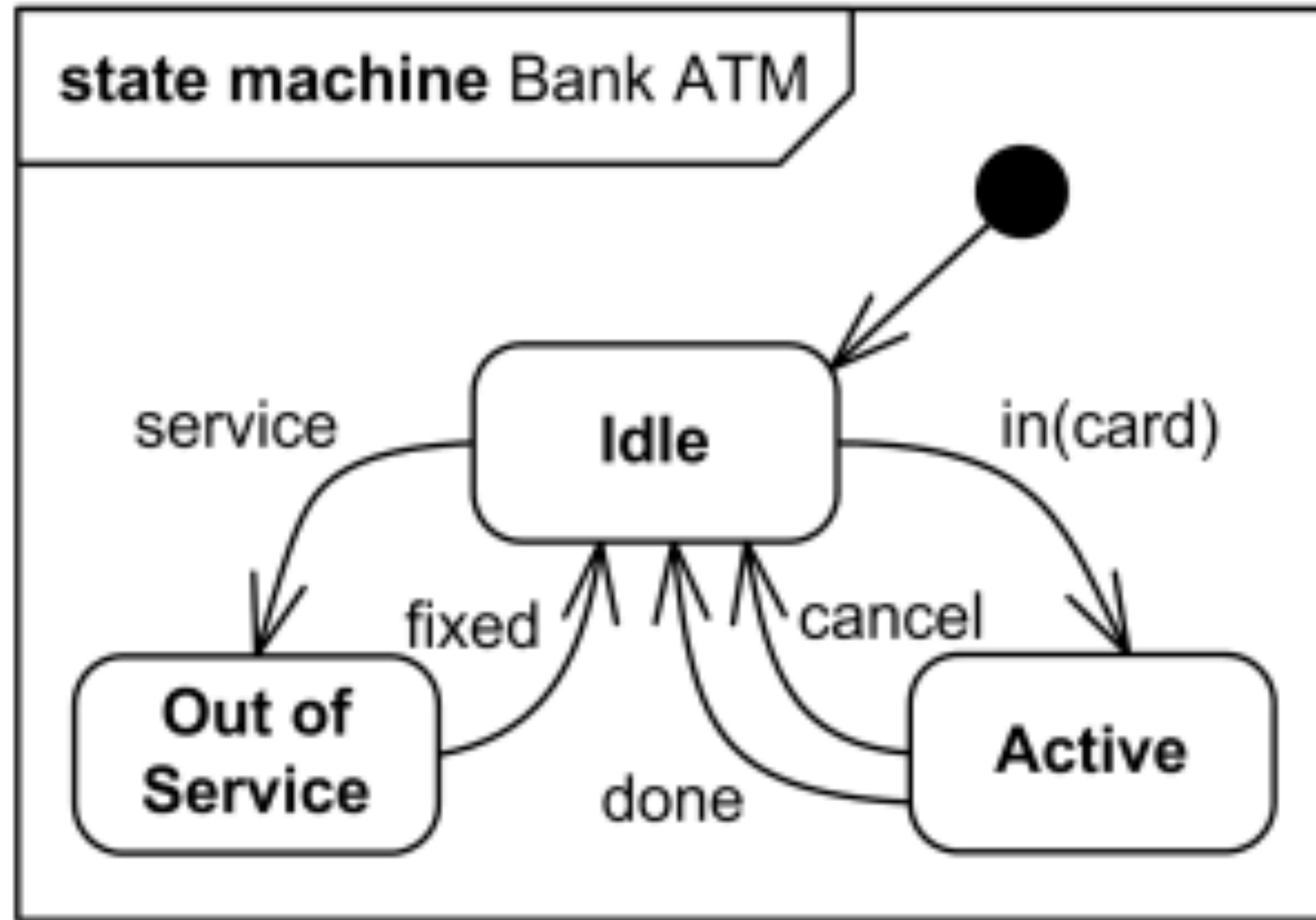
Распараллеливание и синхронизация



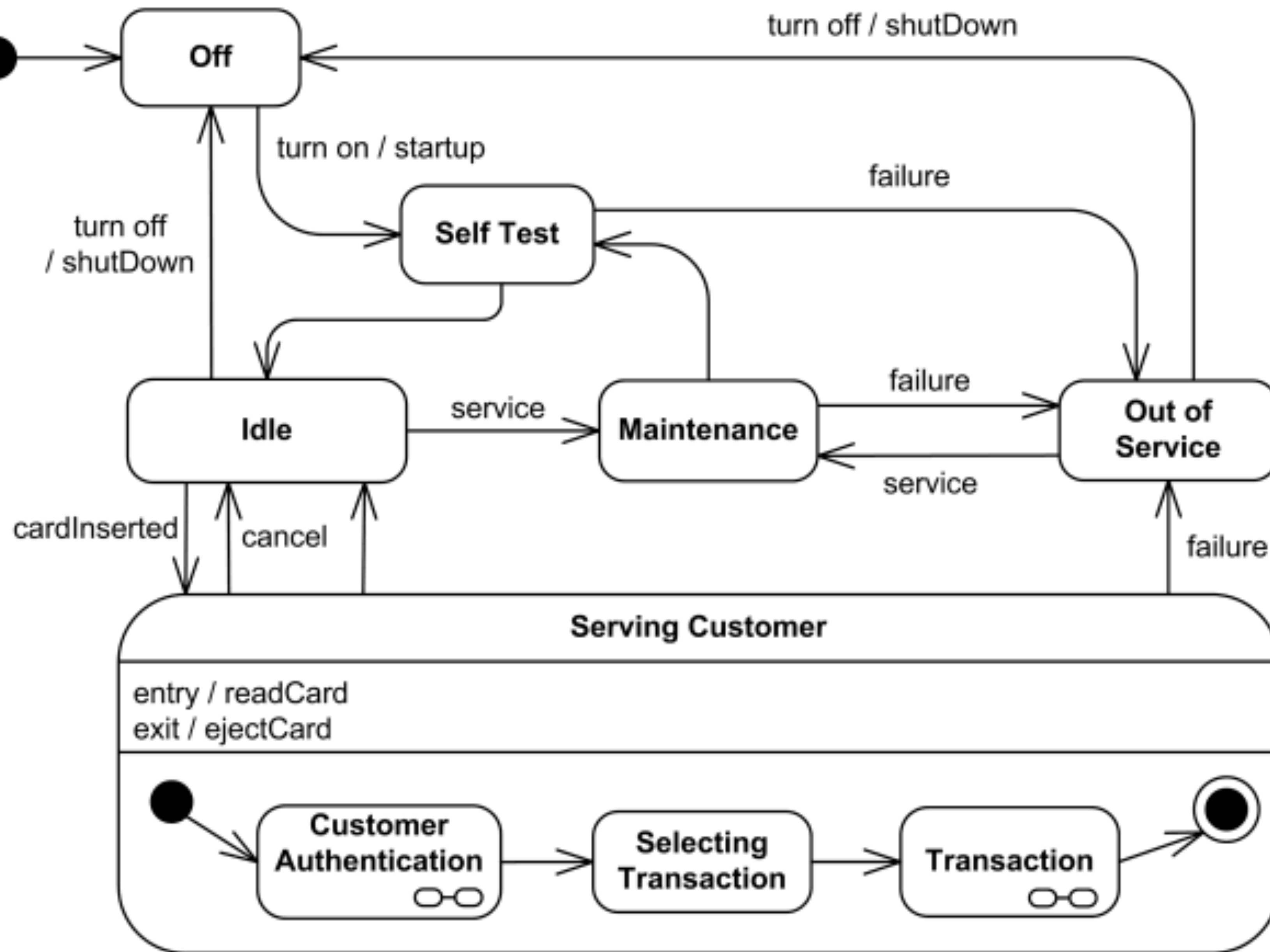
Согласование документов

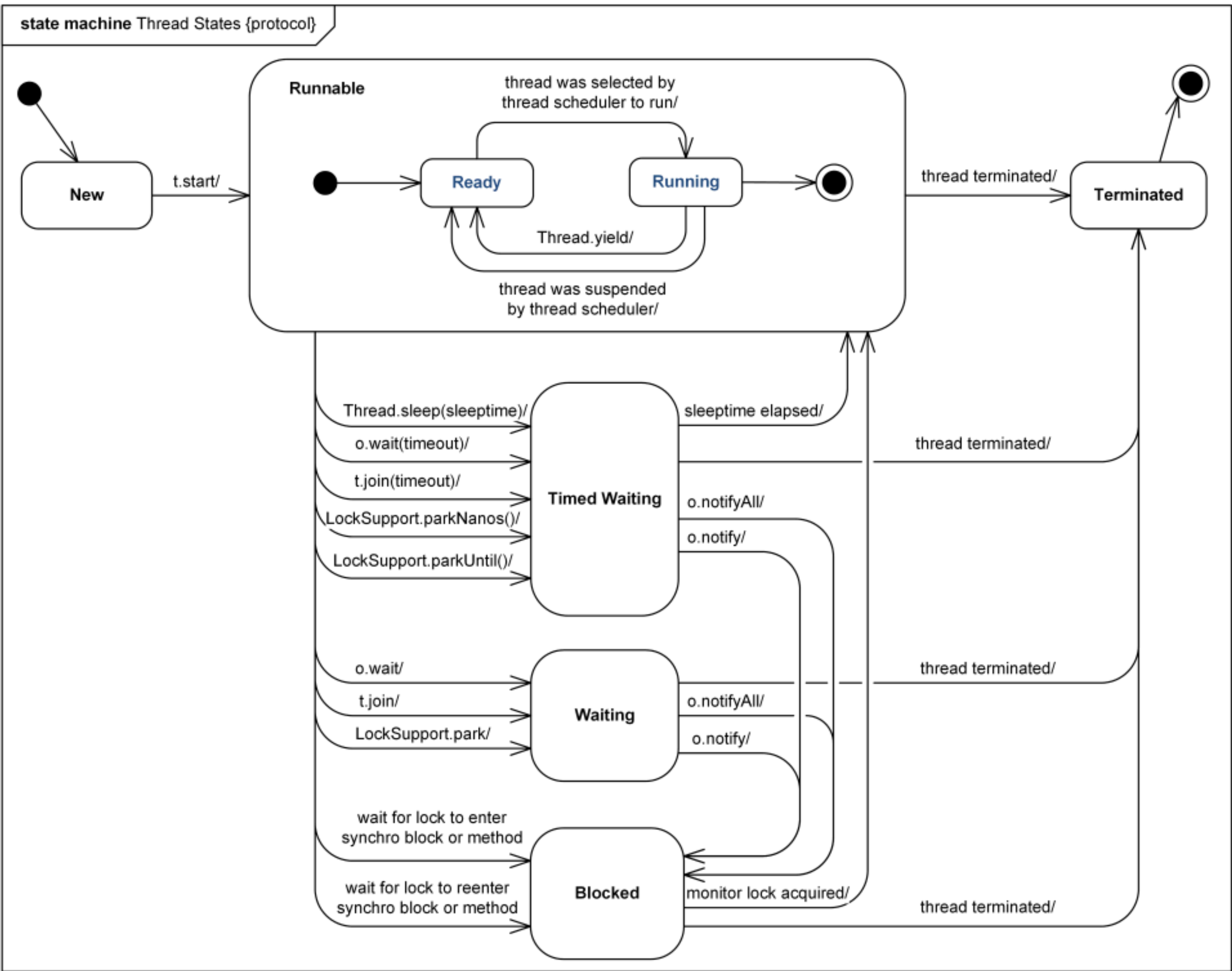


State machine



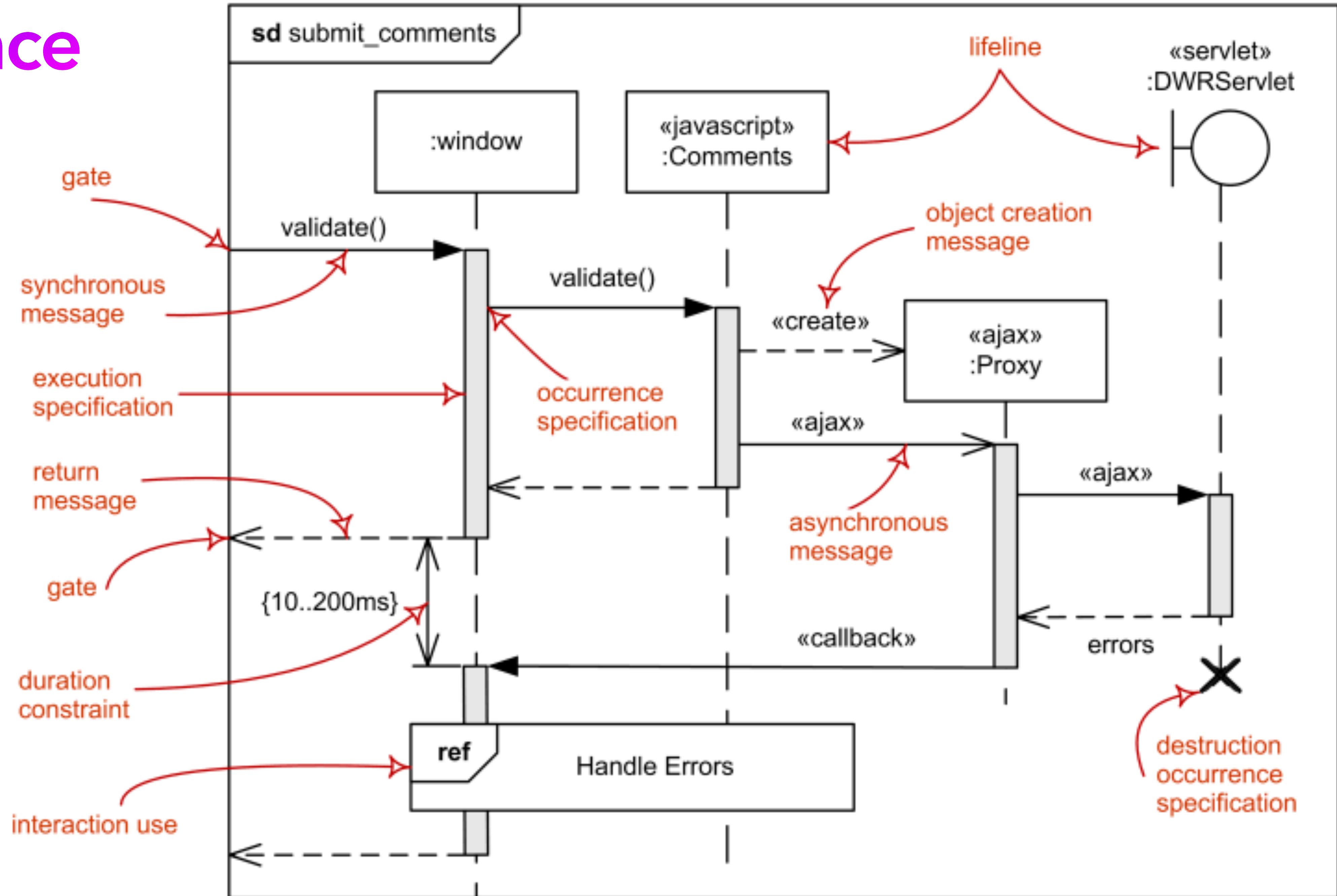
Банкомат



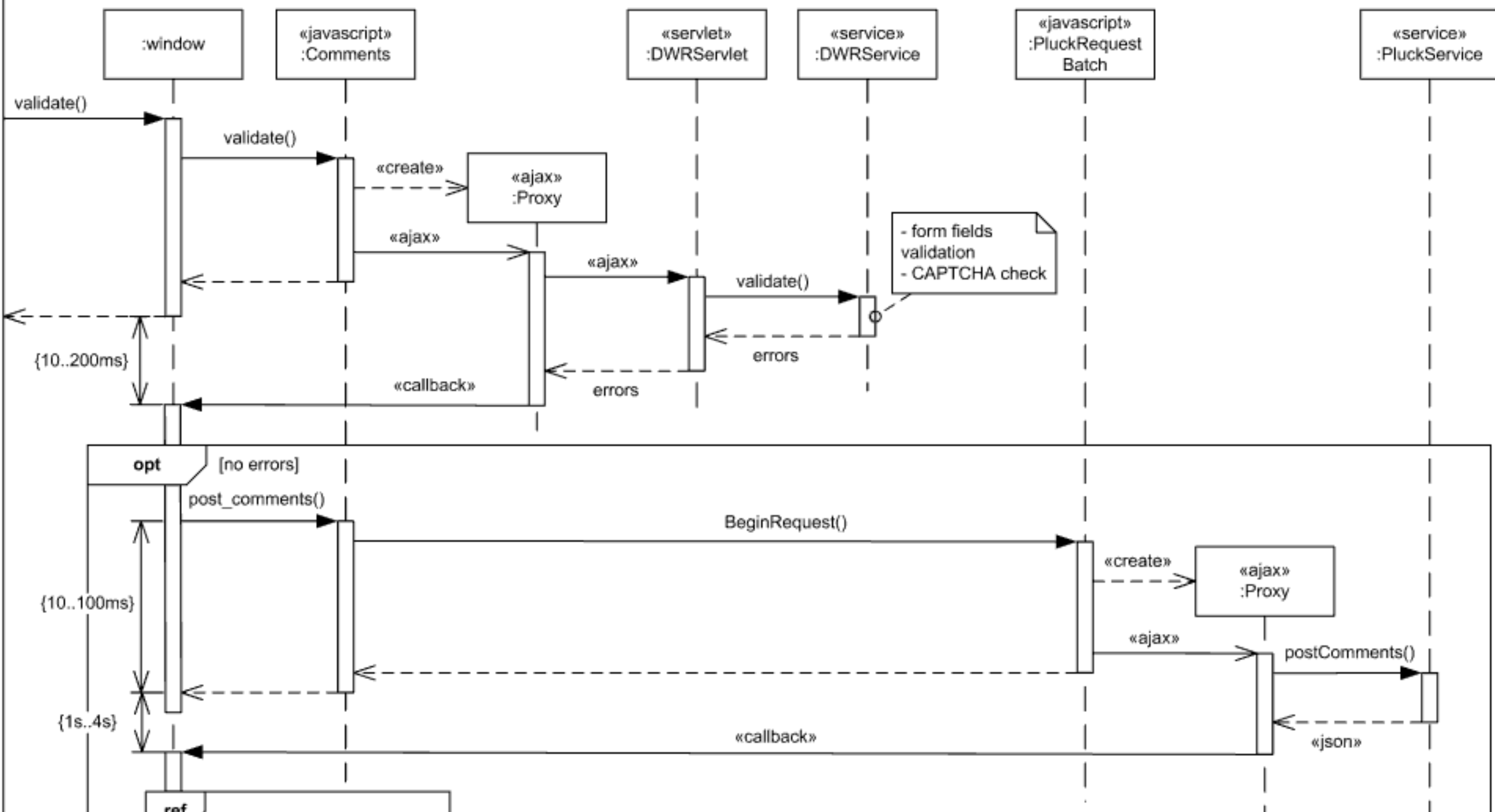


Java thread states

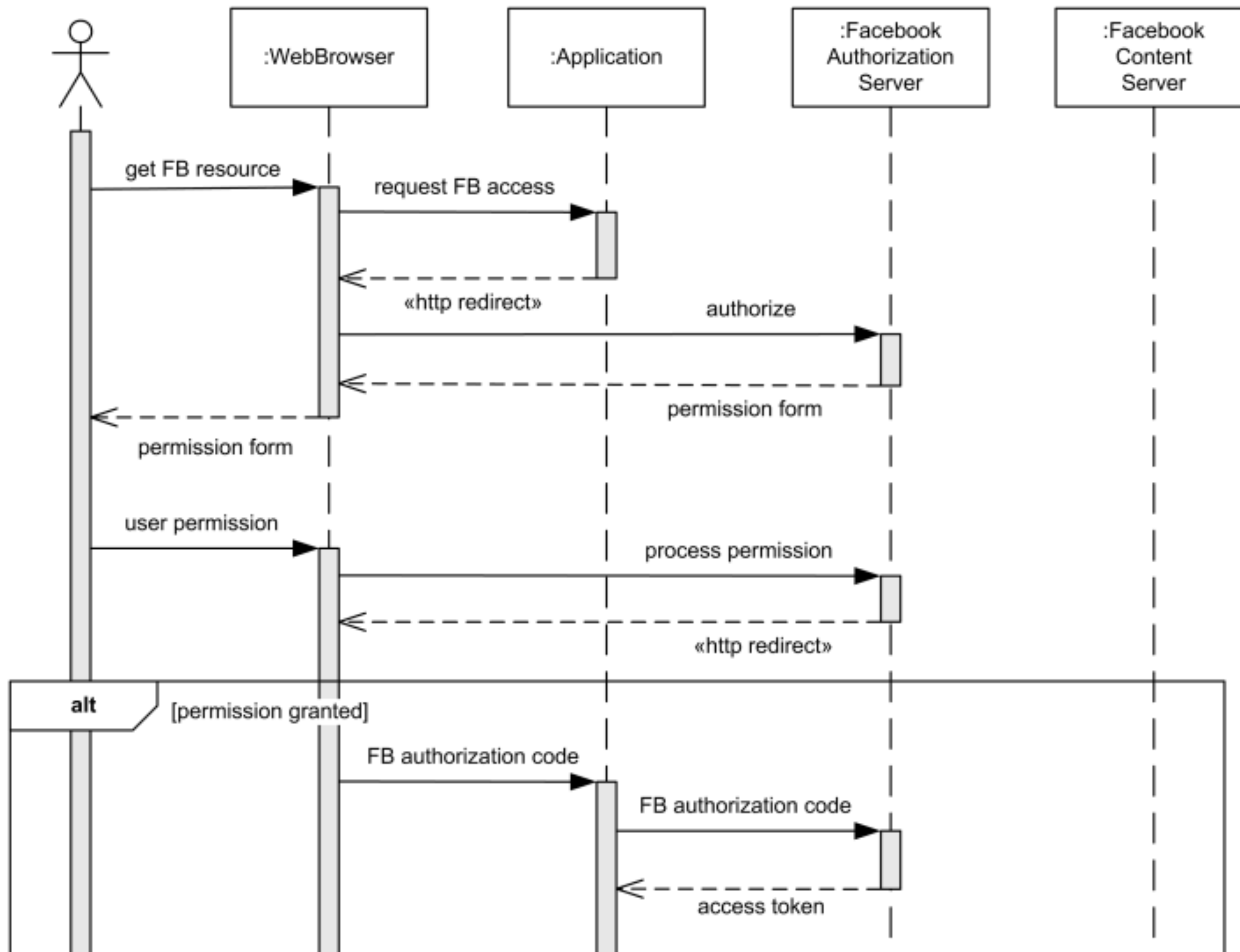
Sequence



sd submit_commens



sd Facebook user authentication



Виды диаграмм - использование

Структурные

- Class diagram
- Object diagram
- Composite structure diagram
- **Component diagram**
- Package diagram
- **Deployment diagram**

Поведенческие

- **Use Case**
- Information flow
- **Activity**
- **State machine**
- **Sequence**

