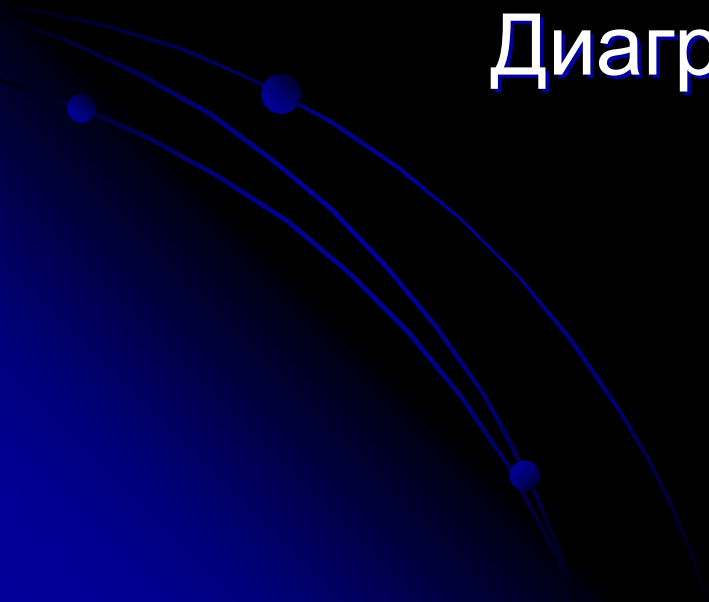


Activity Diagrams

Диаграми на дейността



Диаграма на дейността (Activity diagram)

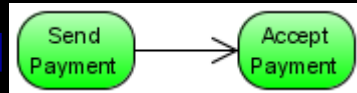
- Описание
- Нотация
- Декомпозиране на действие
- Дялове
- Сигнали
- Маркери и обекти

Диаграма на дейността

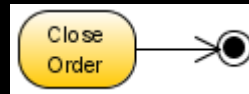
- Описва процедурна логика, бизнес процес, работен поток.
 - Показва последователност от действия.
 - Като блок-схема, но поддържа паралелно поведение.
 - Може да има разклонения както блок-схемите.
 - Показва логиката на поведение.
 - Състоянията са дейности.
 - Дейност е изпълнението на задача, като това може да бъде физическа дейност или изпълнение на код.

КОМПОНЕНТИ

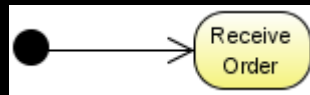
- Действия



- Изход

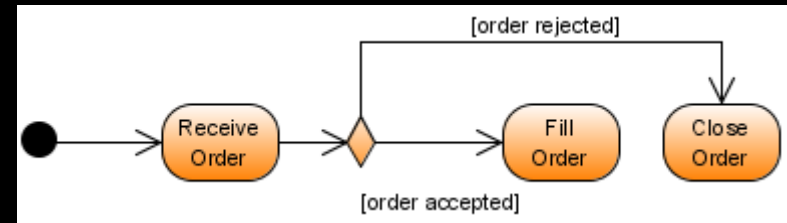


- Вход

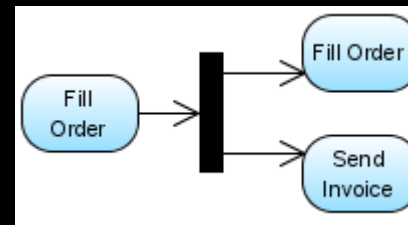


- Условно поведение

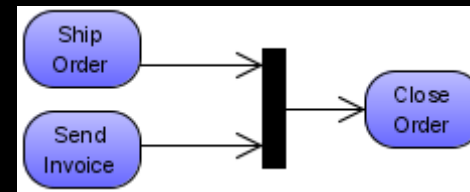
- сливане



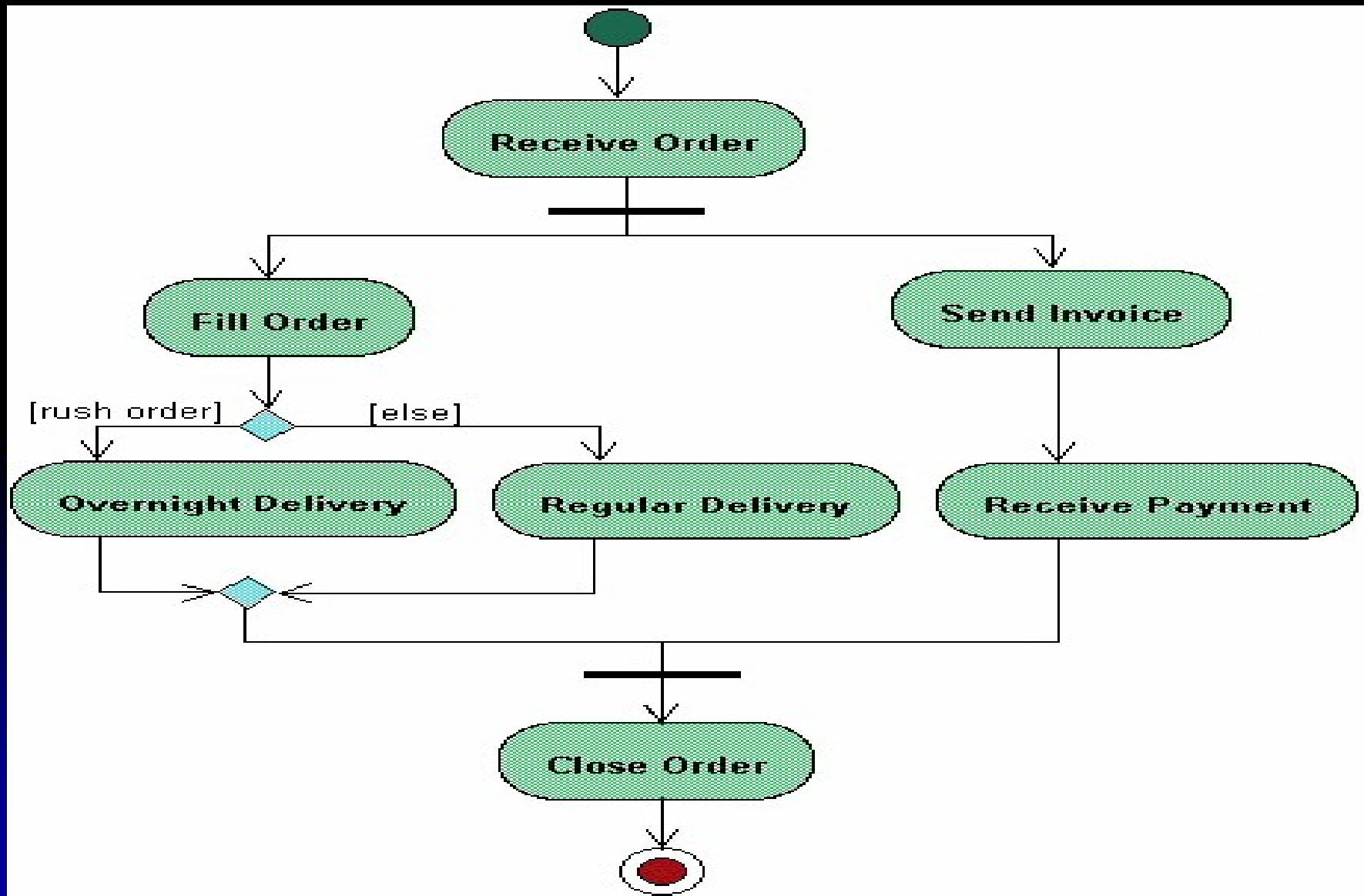
- Разклонение



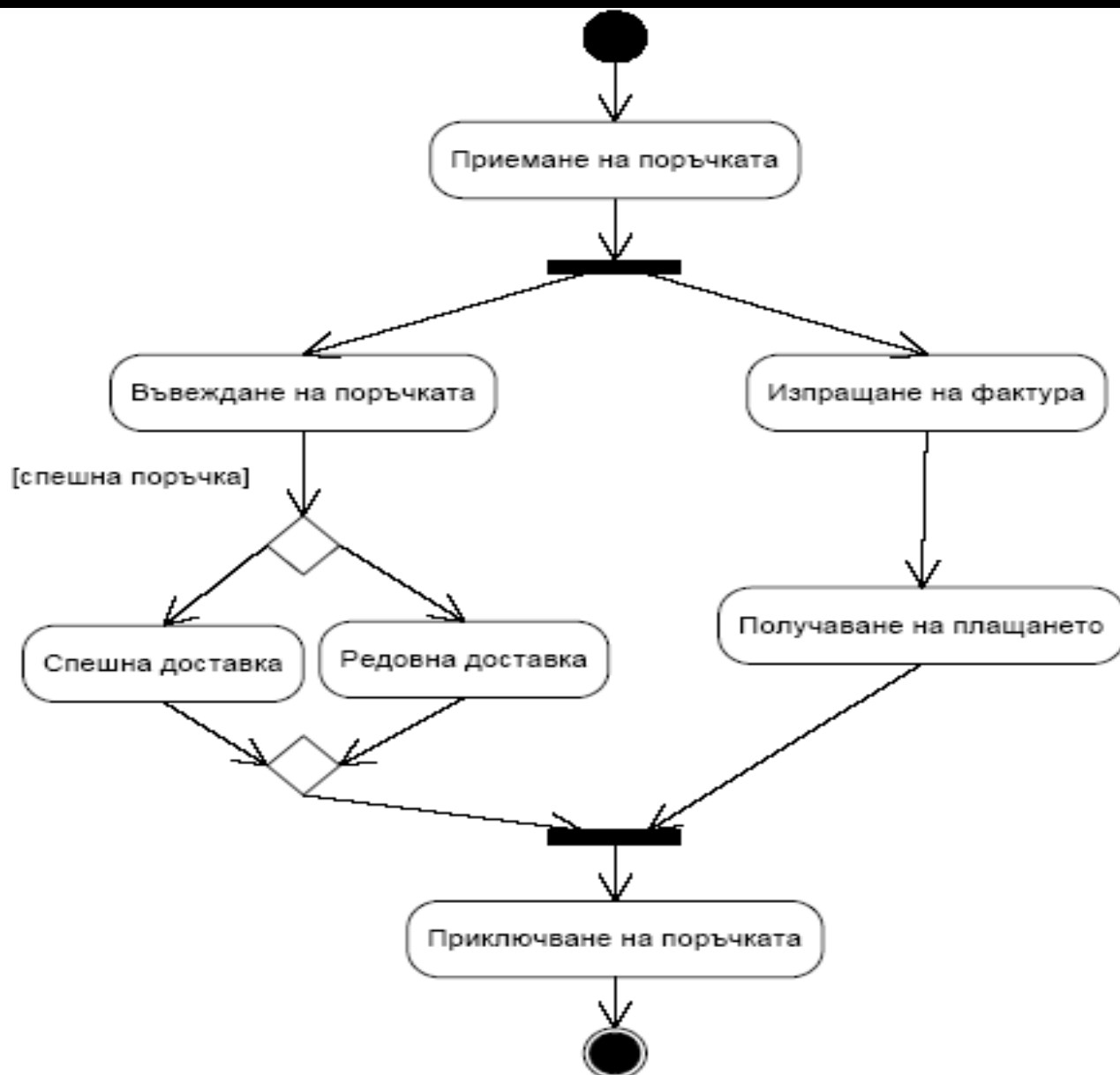
- Свързване



Диаграма на дейността

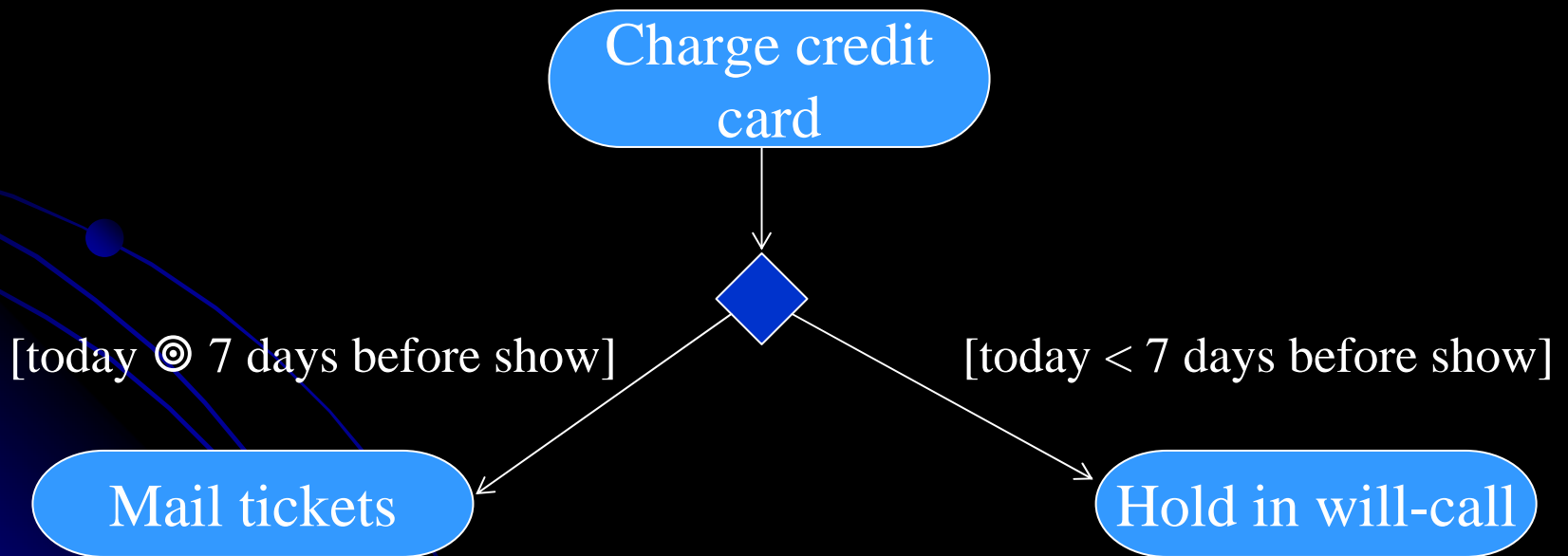


Диаграма на дейността



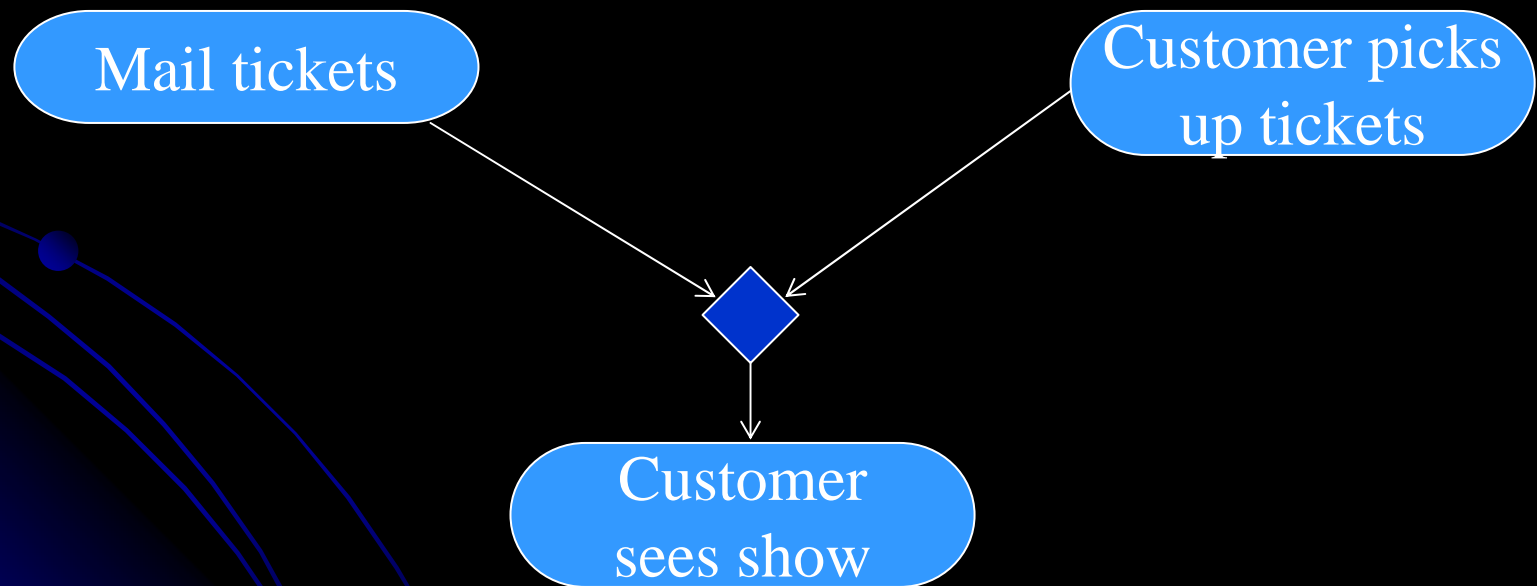
Branching

A branch has one incoming transition and two or more outgoing transitions:



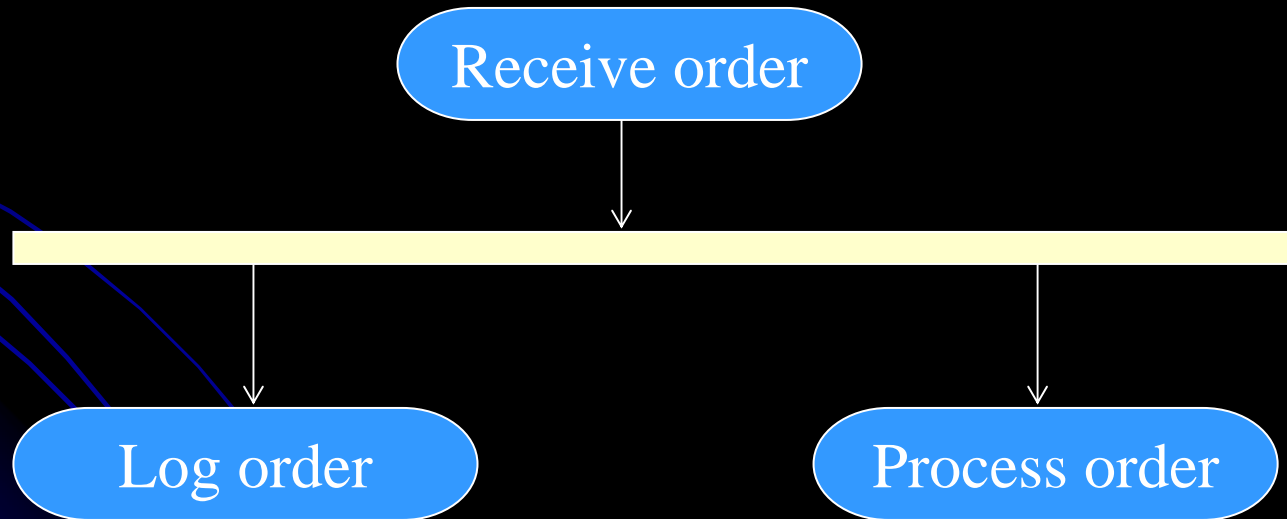
Merging

A merge has two or more incoming transitions and one outgoing transition:



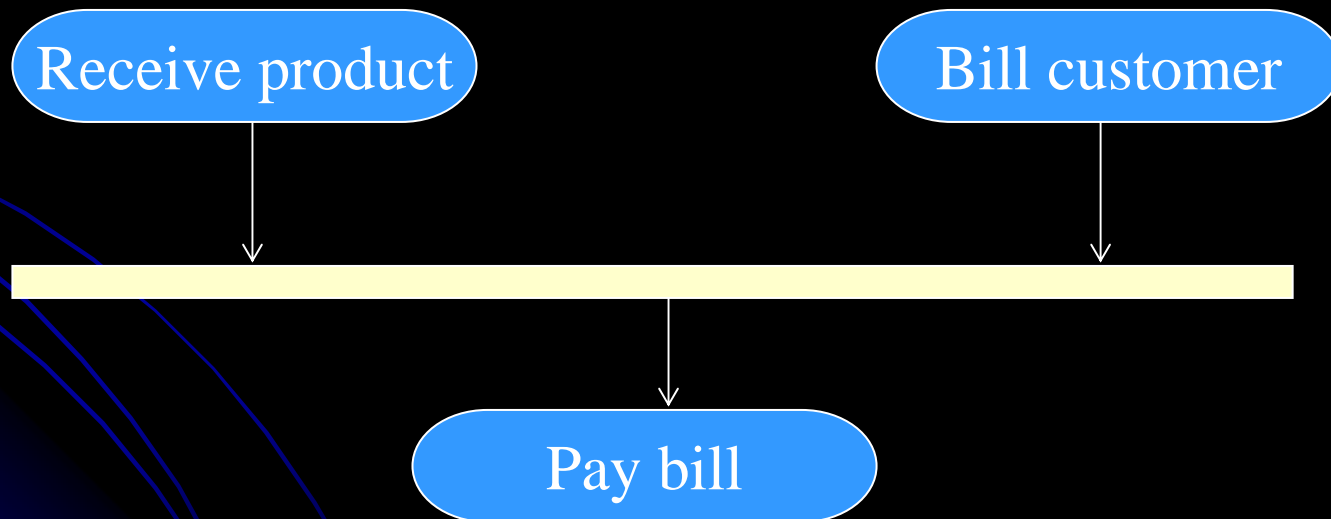
Forking

A fork represents the splitting of a single flow of control into two or more concurrent flows of control:



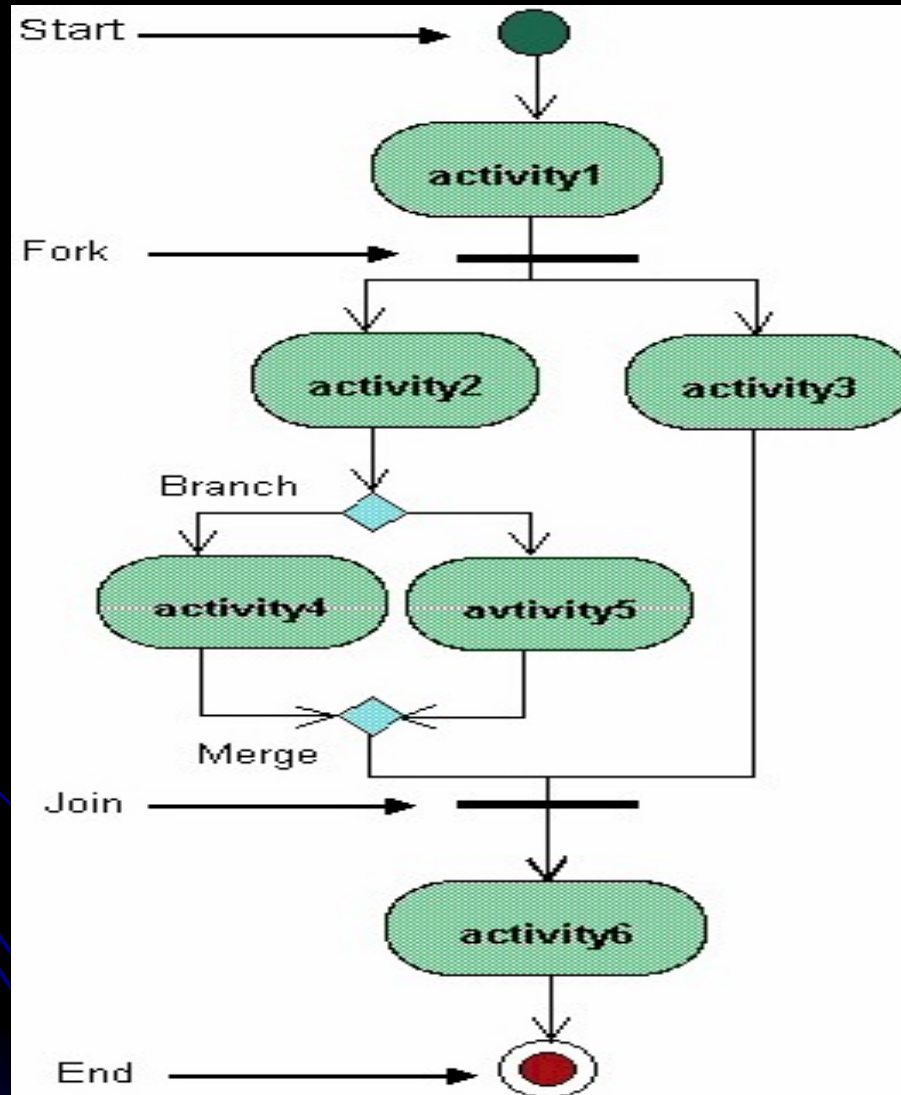
Joining

A join represents the synchronization of two or more flows of control into one sequential flow of control:



Диаграма на дейността

- описание и UML нотация

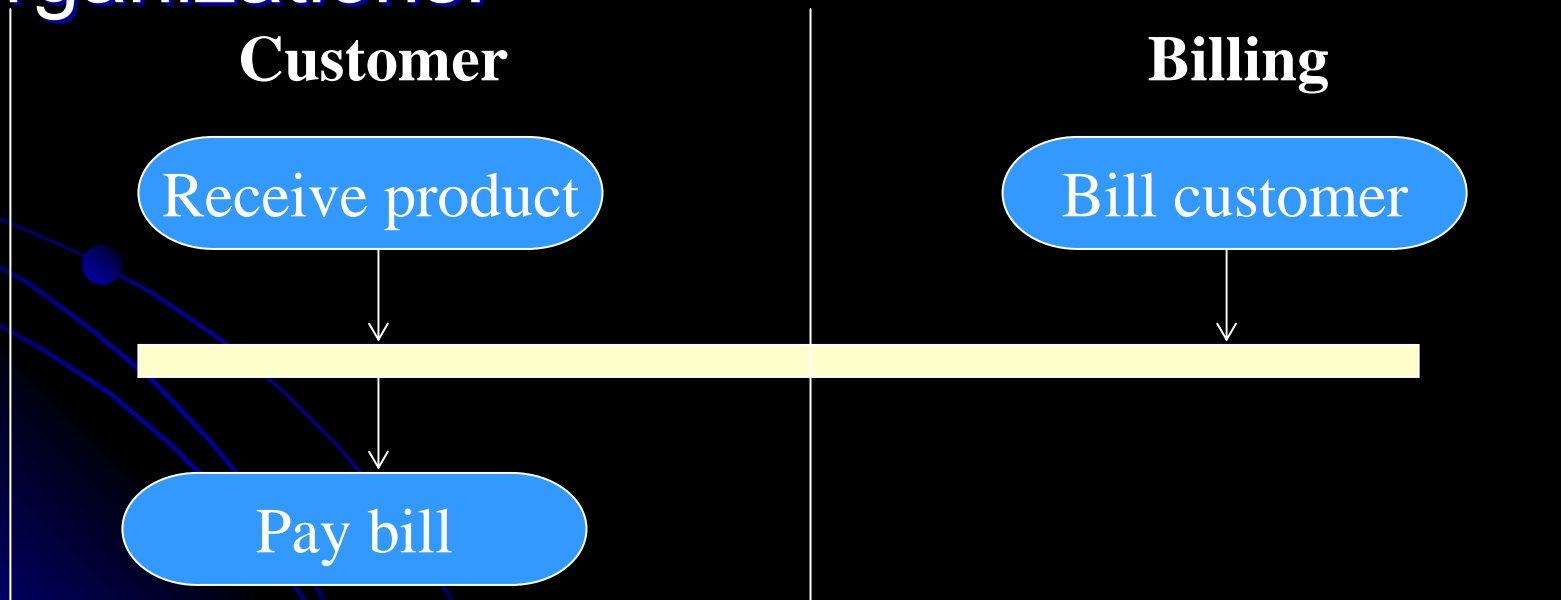


Условно
поведение:
Ограничение
[guard]:
**Разклонение
(Branch)
и сливане
(Merge)**

Описание на
паралелни
процеси.
Синхронизация:
**Разклонение
(Fork)
и свързване
(Join)**

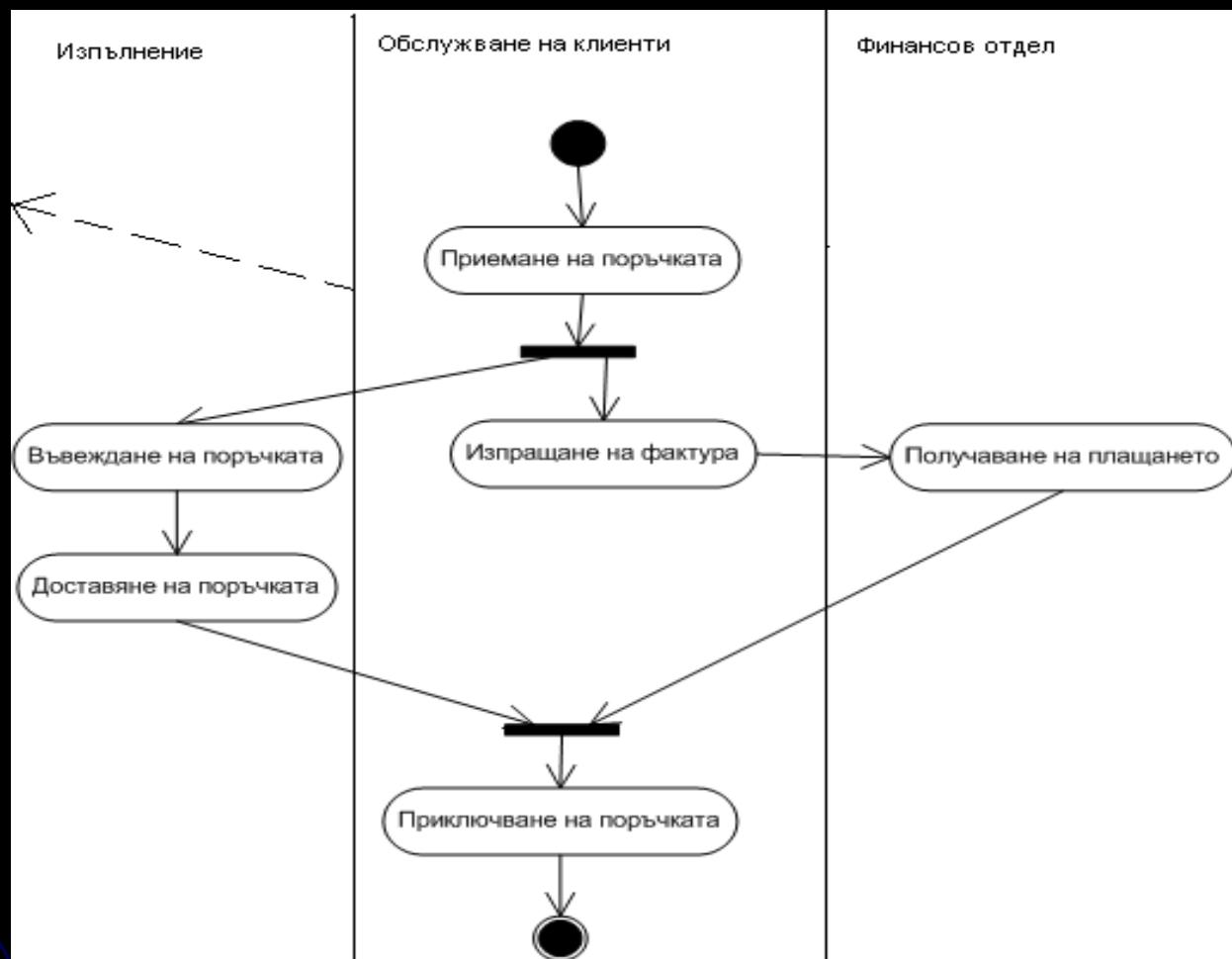
Swimlanes

Swimlanes partition groups of activities based on, for instance, business organizations:

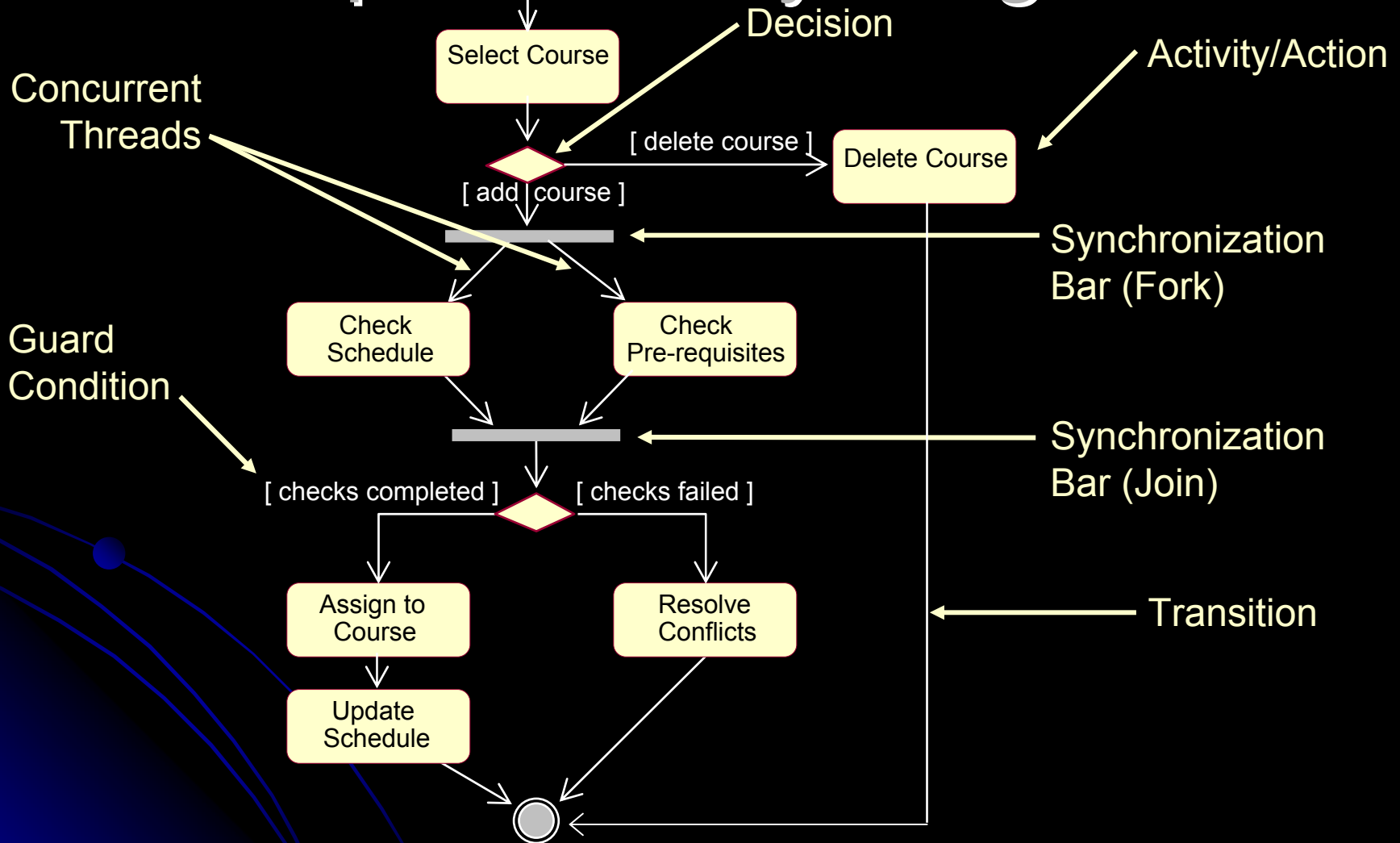


Диаграма на дейността -Дялове (partitions)

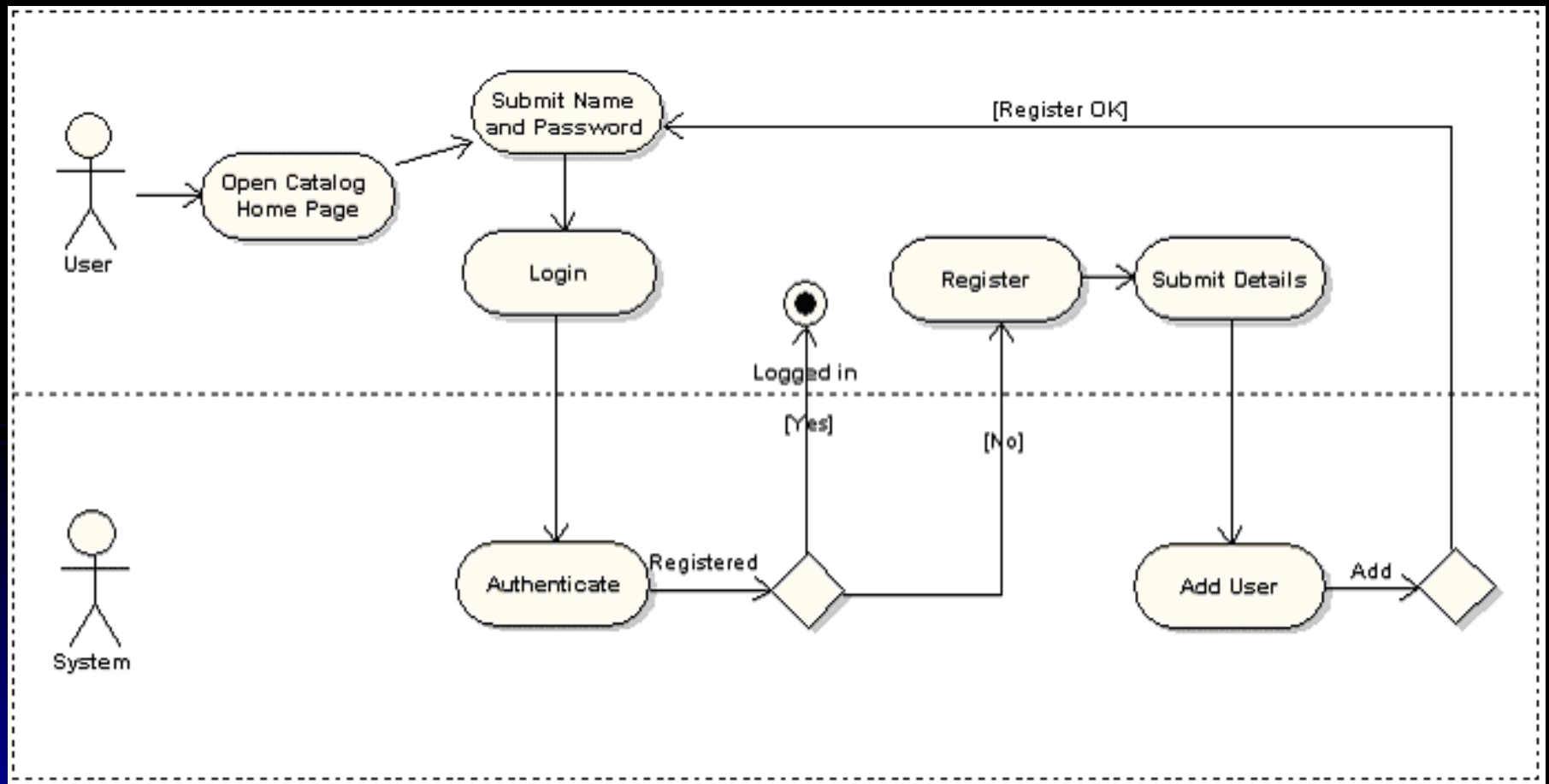
➤ Swim lanes



Example: Activity Diagram



Use case & Activity Diagram



Use case & Activity Diagram - UML 2

