

Activity diagrams

Larman Chapter 28

Make a quick research:

How can we use them?

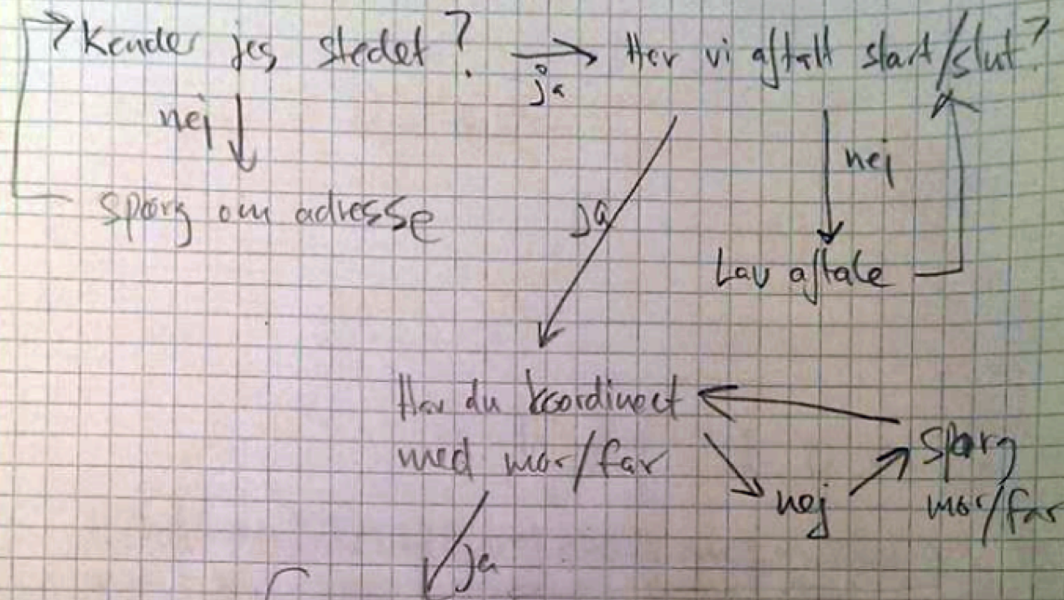
**What is the most common usage of
activity diagrams?**

Drawing Activity Diagrams

Purpose:

- to model a business process
- to describe a function of a system represented by a use case
- to describe the logic of an operation

ULLES BÆSG-VENINDE-ALGORITME



Pa dagen

- 1) Oplad mobil
- 2) Husk nøgler
- 3) skriv adresse ned
- 4) Pak taske
- 5) Penges til rejse
- 6) Hav styr på rejsen



Jon Bertelsen

29. maj · 🌐 ▼

Hvor svært kan det være?

#teenagepædagogik #datalogipapfar

Tag billede Tilføj placering Rediger

Synes godt om Kommenter Del

👍😄 Conny Bauer, Per Löfberg og 53 andre



Leah Lambert Oxbøll Nielsen Mine to-do-lister bliver ikke offentliggjort 😍♥♥

Fjern Synes godt om · Svar · 🍷 1 · 29. maj kl. 22:03



Jon Bertelsen Det er ikke en todolist, men nyttig hjernevask af glemsom teenager 😊

Synes godt om · Svar · 29. maj kl. 22:13



Leah Lambert Oxbøll Nielsen Jon Bertelsen okay og det er derfor den nu ligger på papfars Facebook i ønsket om en større effekt end en skuldertrækningen eller? 🤔🤔🤔🤔

Fjern Synes godt om · Svar · 🍷 1 · 29. maj kl. 22:19



Jon Bertelsen Lige præcis 😊

Synes godt om · Svar · 🍷 1 · 29. maj kl. 22:21



Skriv et svar ... 📷 😊



Anders Rostgaard Bystrup Hvad hvis start/slut er længere end en mobilopladning? OutOfJuiceException!

Fjern Synes godt om · Svar · 🍷 2 · 29. maj kl. 22:07



Jon Bertelsen Godt set. Der tilføjes "Husk oplader" til listen 😊

Synes godt om · Svar · 🍷 1 · 29. maj kl. 22:11



Jon Bertelsen PS. Husk penge til rejsen er en backup løsning i tilfælde af at OutOfJuice fejler

Synes godt om · Svar · 🍷 1 · 29. maj kl. 22:15



Skriv et svar ... 📷 😊



Skriv en kommentar ... 📷 😊

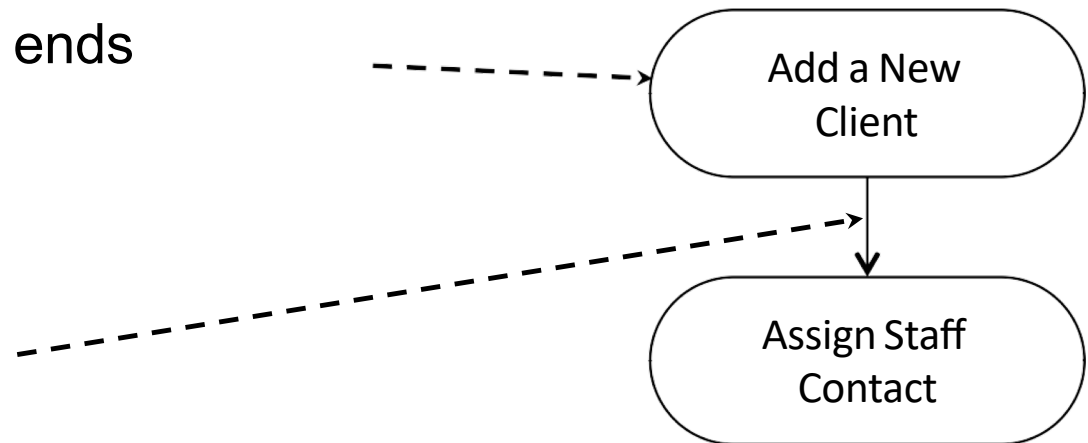
Notation of Activity Diagrams

- **Activities**

- rectangle with rounded ends
- meaningful name

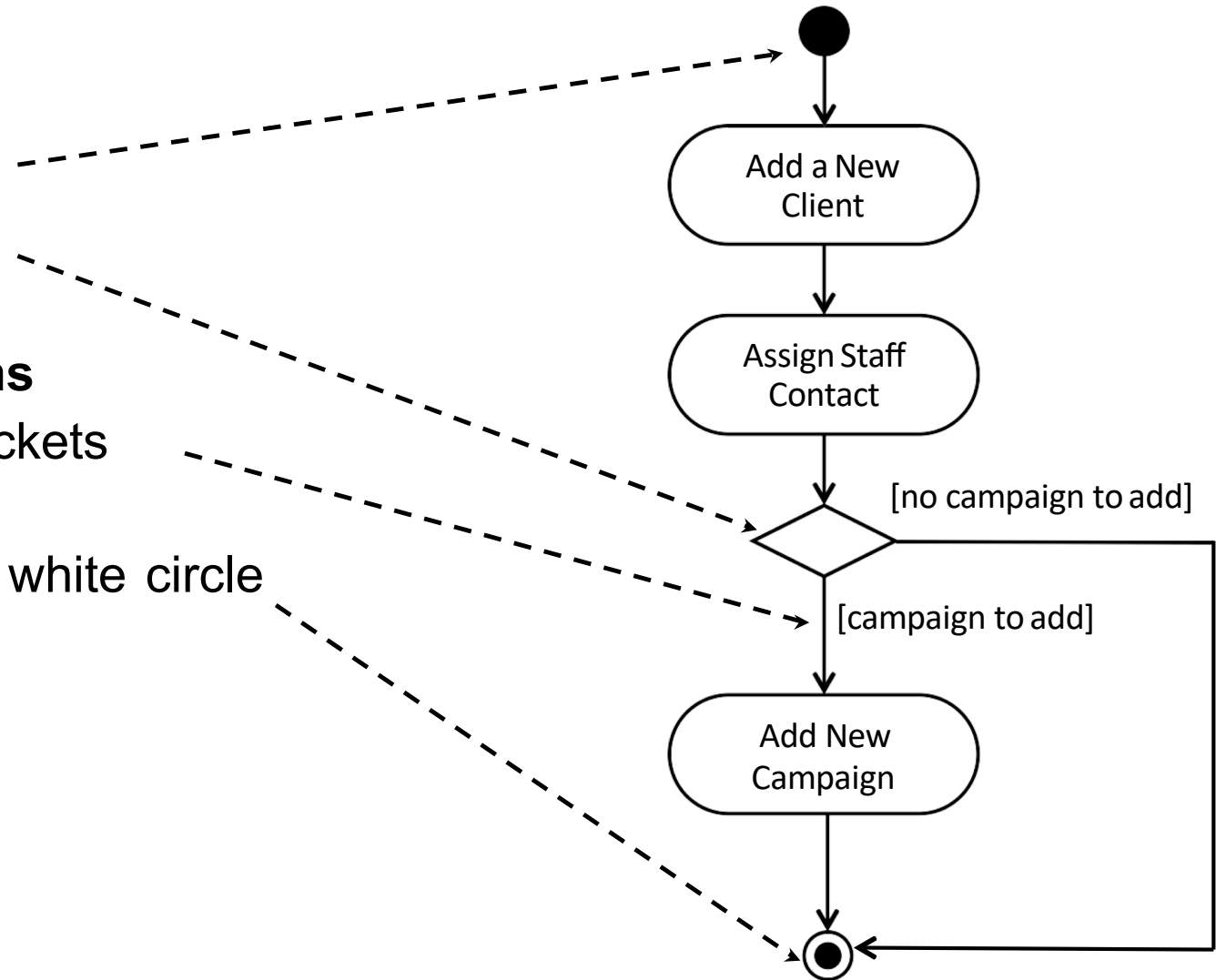
- **Transitions**

- arrows with open arrowheads



Notation of Activity Diagrams

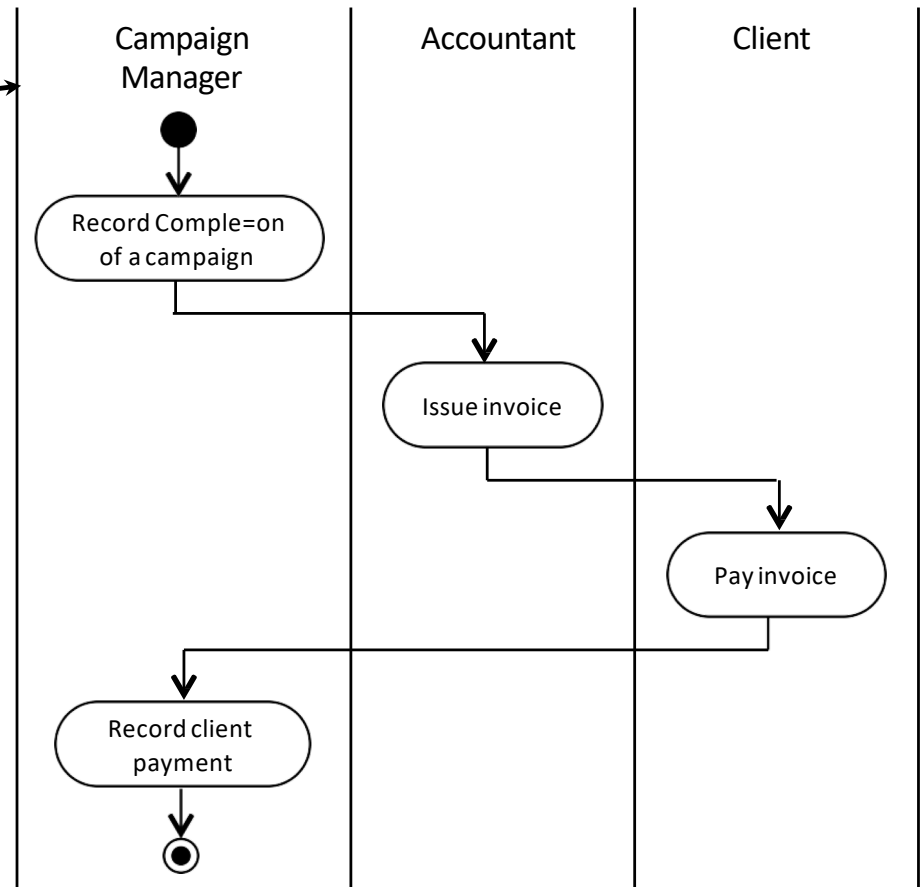
- **Start state**
 - black circle
- **Decision points**
 - diamond
- **Guard conditions**
 - in square brackets
- **Final state**
 - black circle in white circle



Notation of Activity Diagrams

- **Swim lanes**

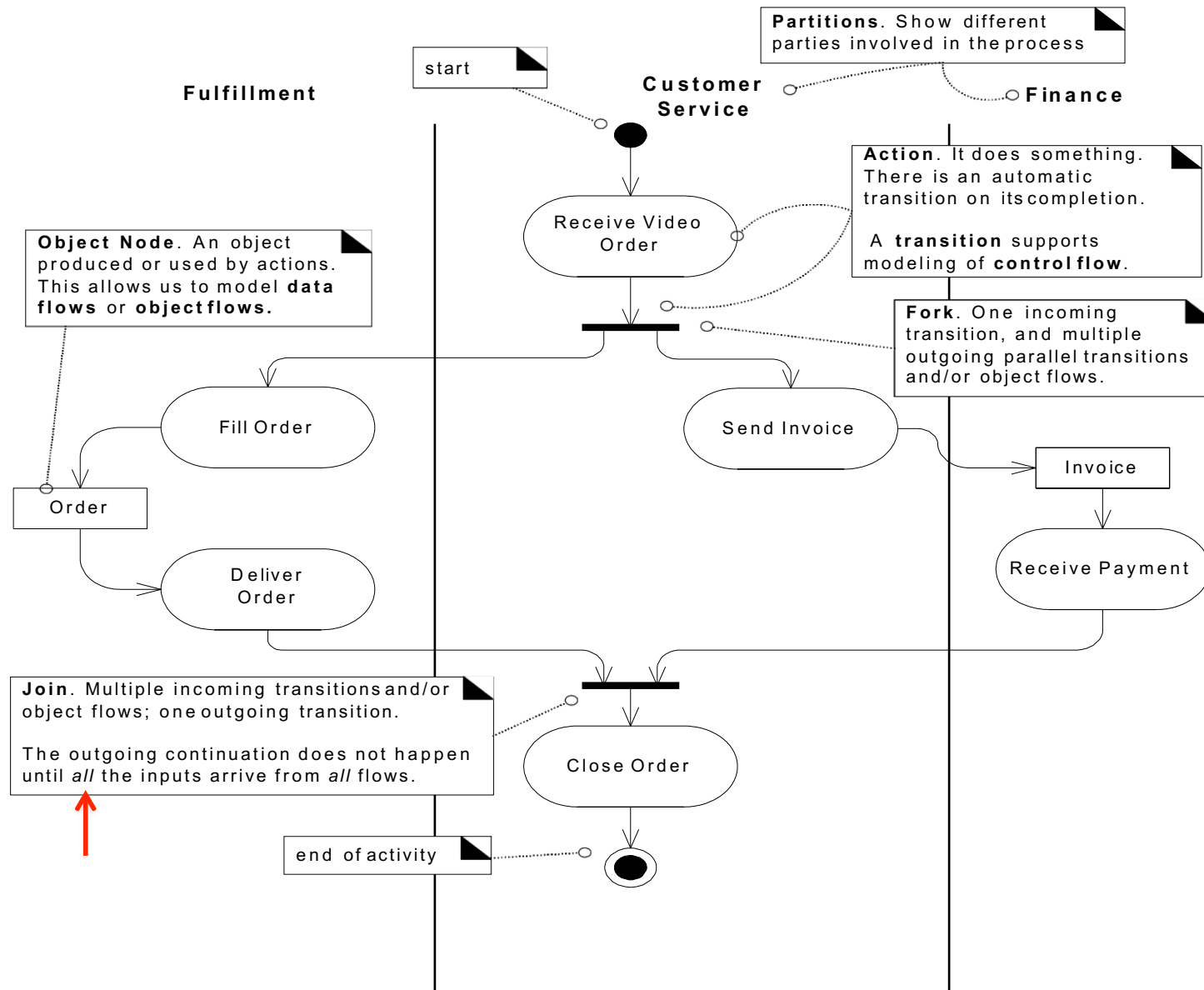
- vertical columns
- labelled with the person, organisation or department responsible for the activities in that column



Drawing Activity Diagrams

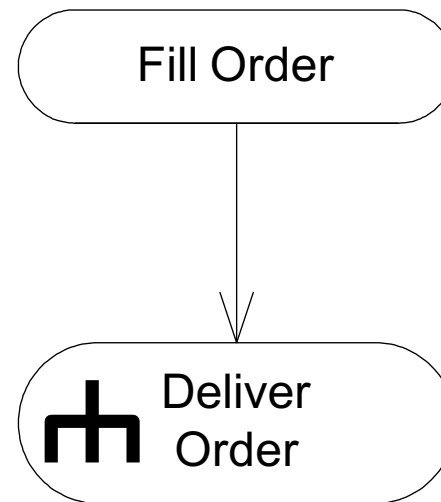
- Are all the activities carried out by the same person, organisation or department?
- If not, then add swim lanes to show the responsibilities
- Name the swim lanes
- Show each activity in the appropriate swim lane

Activity diagrams with forks and object Nodes



Sub-activity diagrams

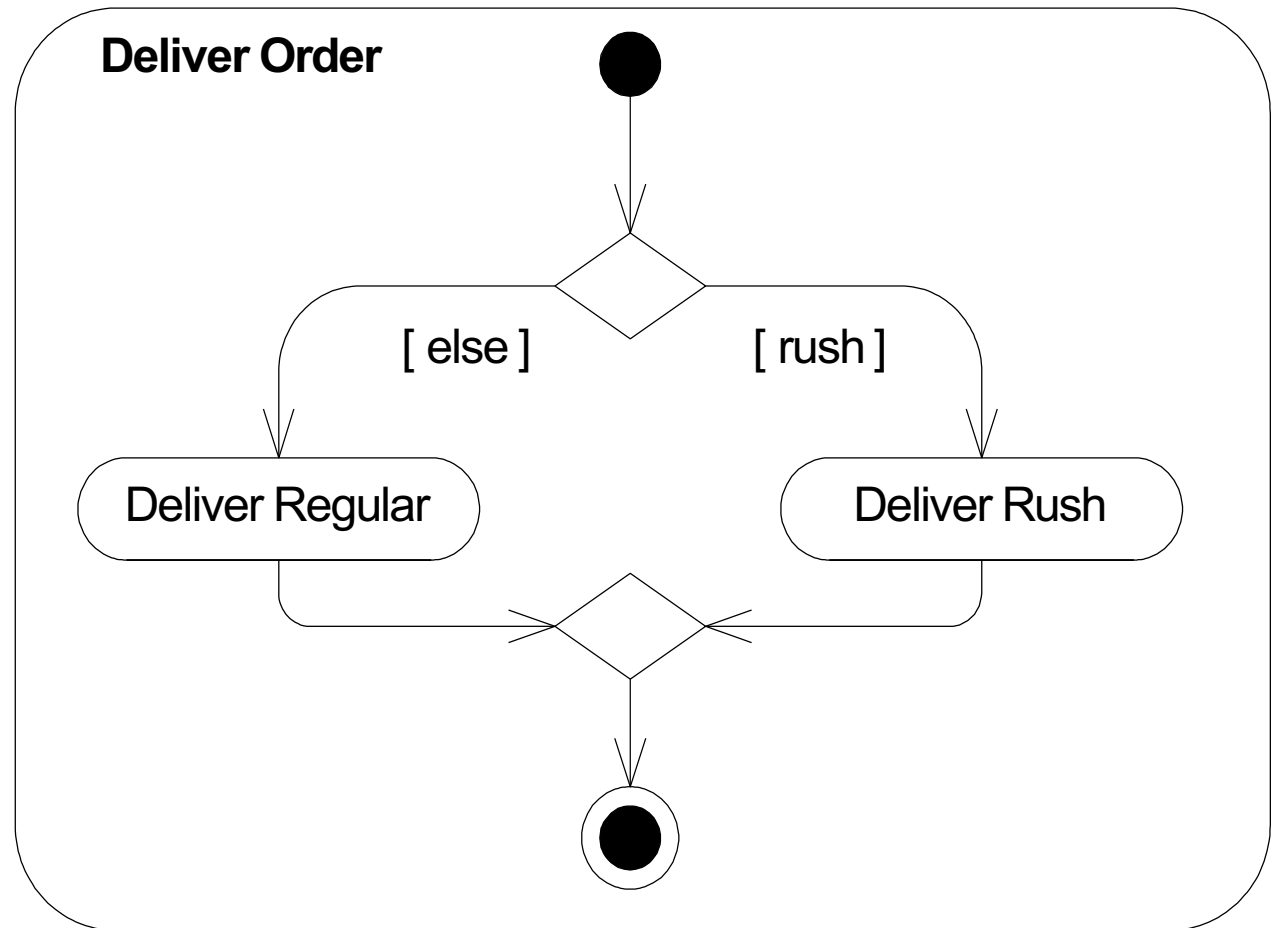
the “rake” symbol (which represents a hierarchy) indicates this activity is expanded in a sub-activity diagram



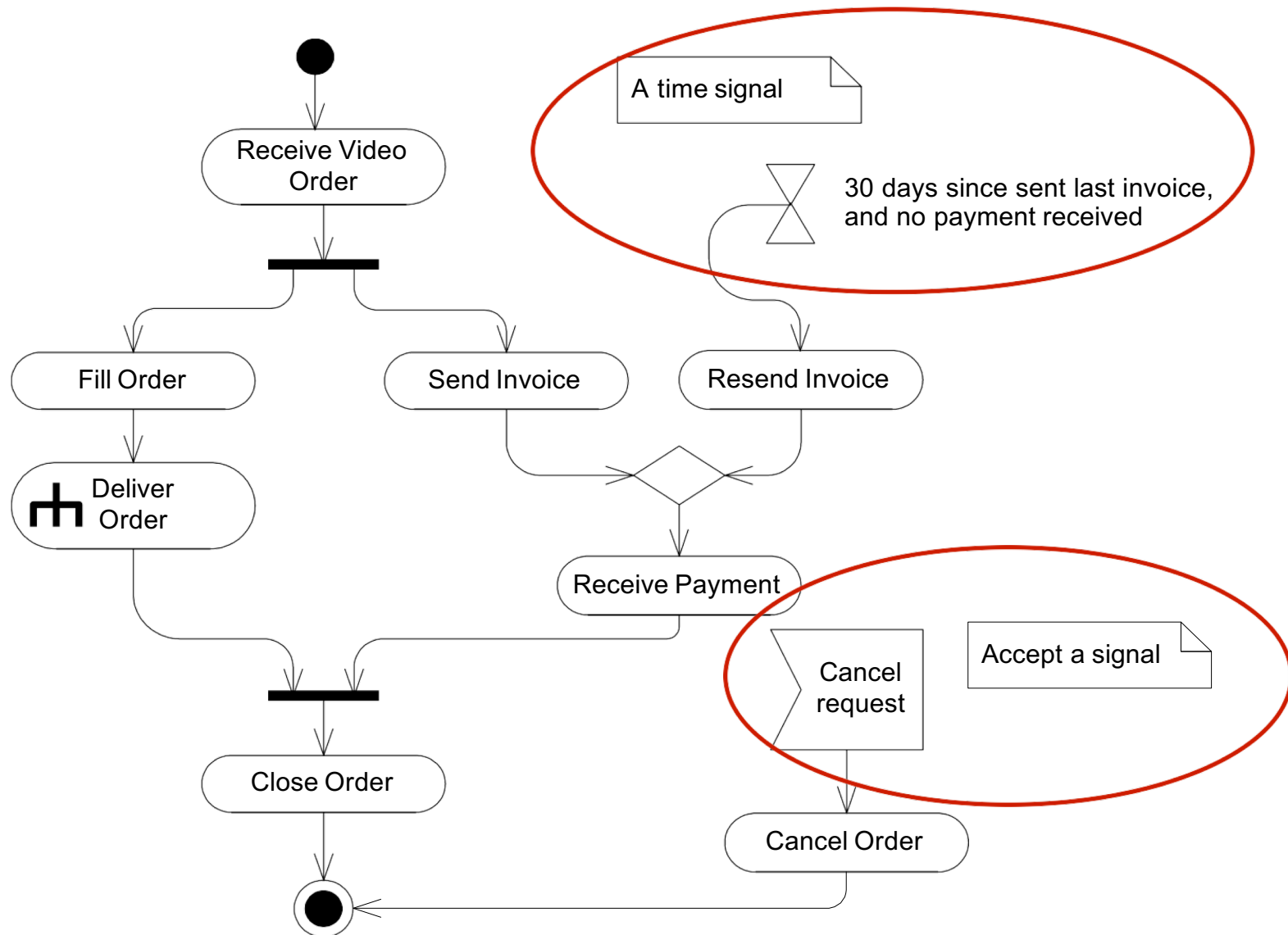
Sub-activity diagrams

Decision: Any branch happens. Mutual exclusion

Merge: Any input leads to continuation. This is in contrast to a *join*, in which case *all* the inputs have to arrive before it continues.



More UML Activity Diagram notation



Process sale use case

