Software Engineering Essentials
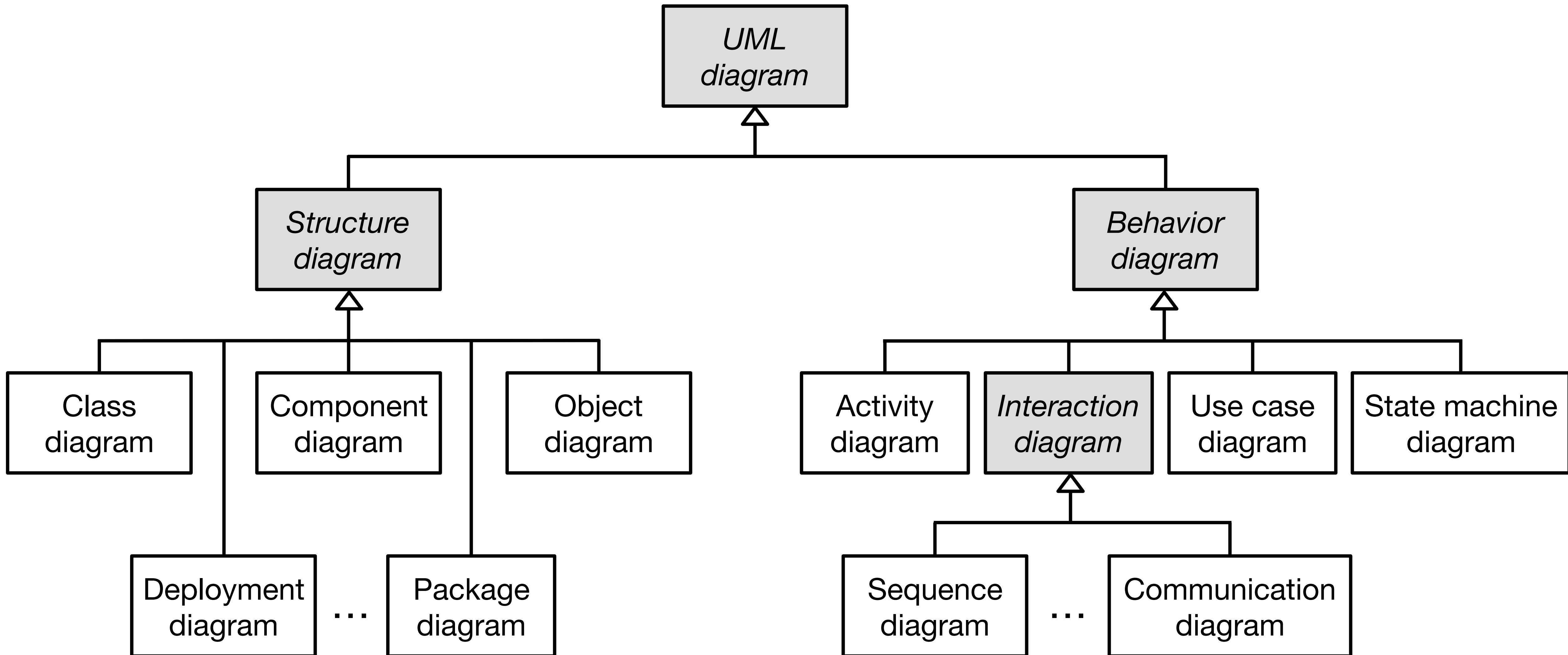
UML Activity Diagram
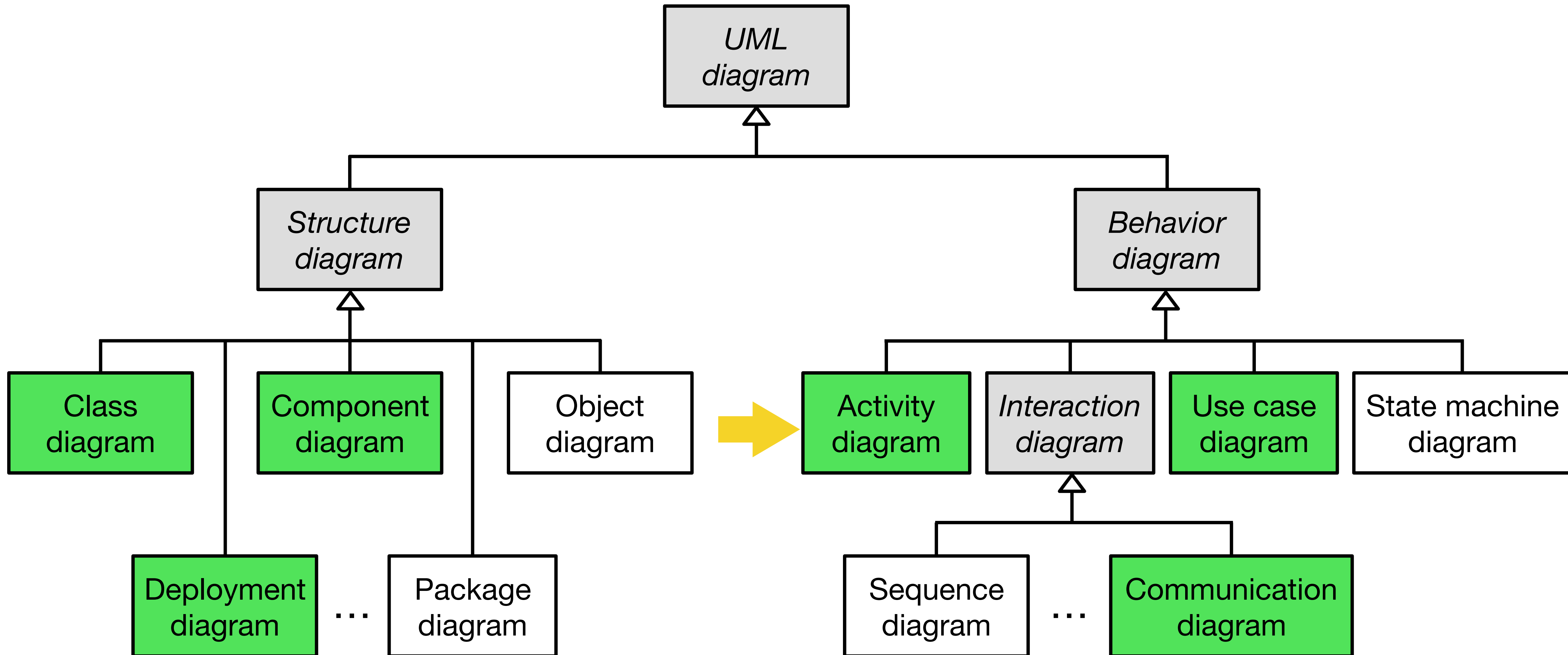
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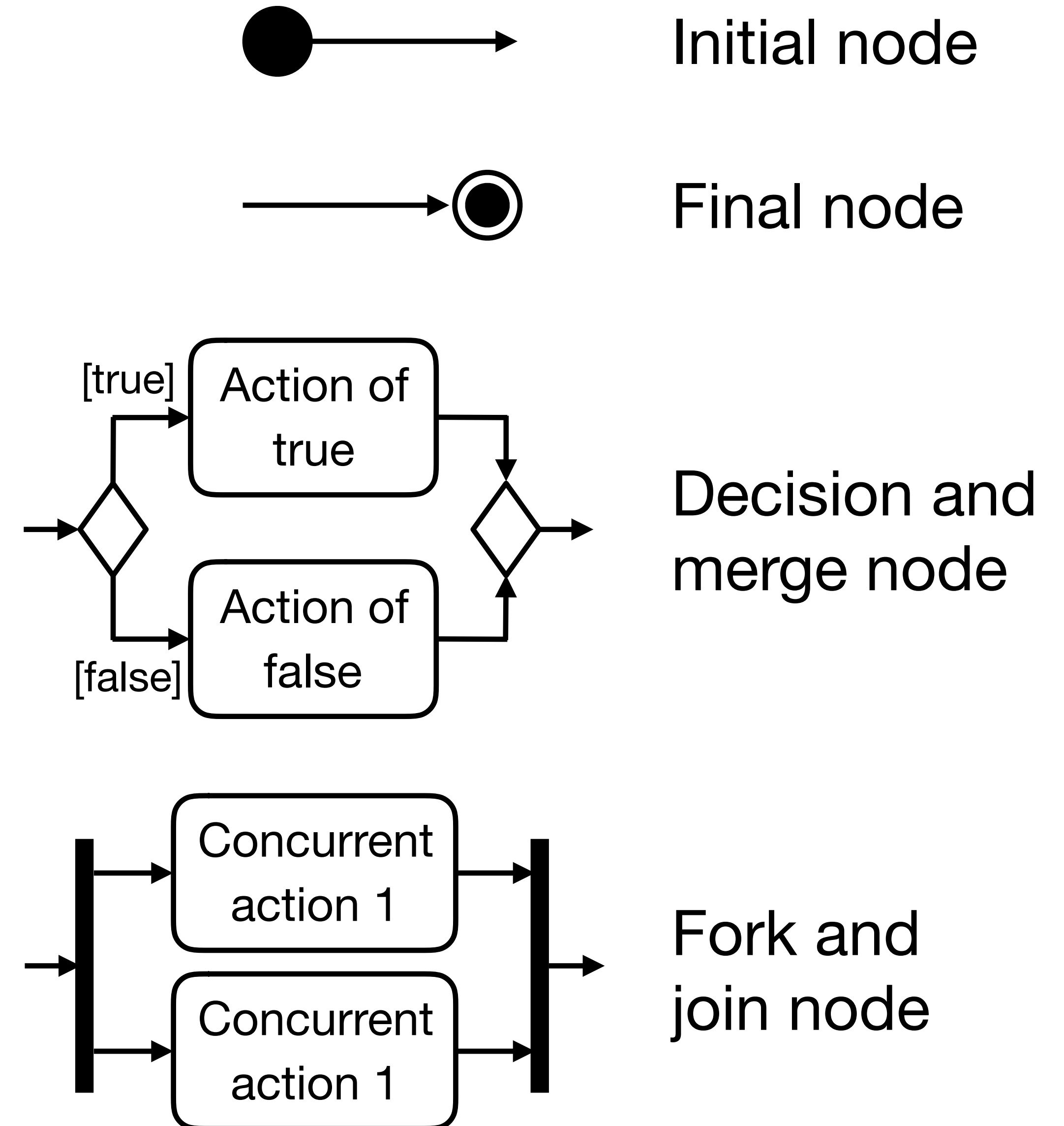
TUM

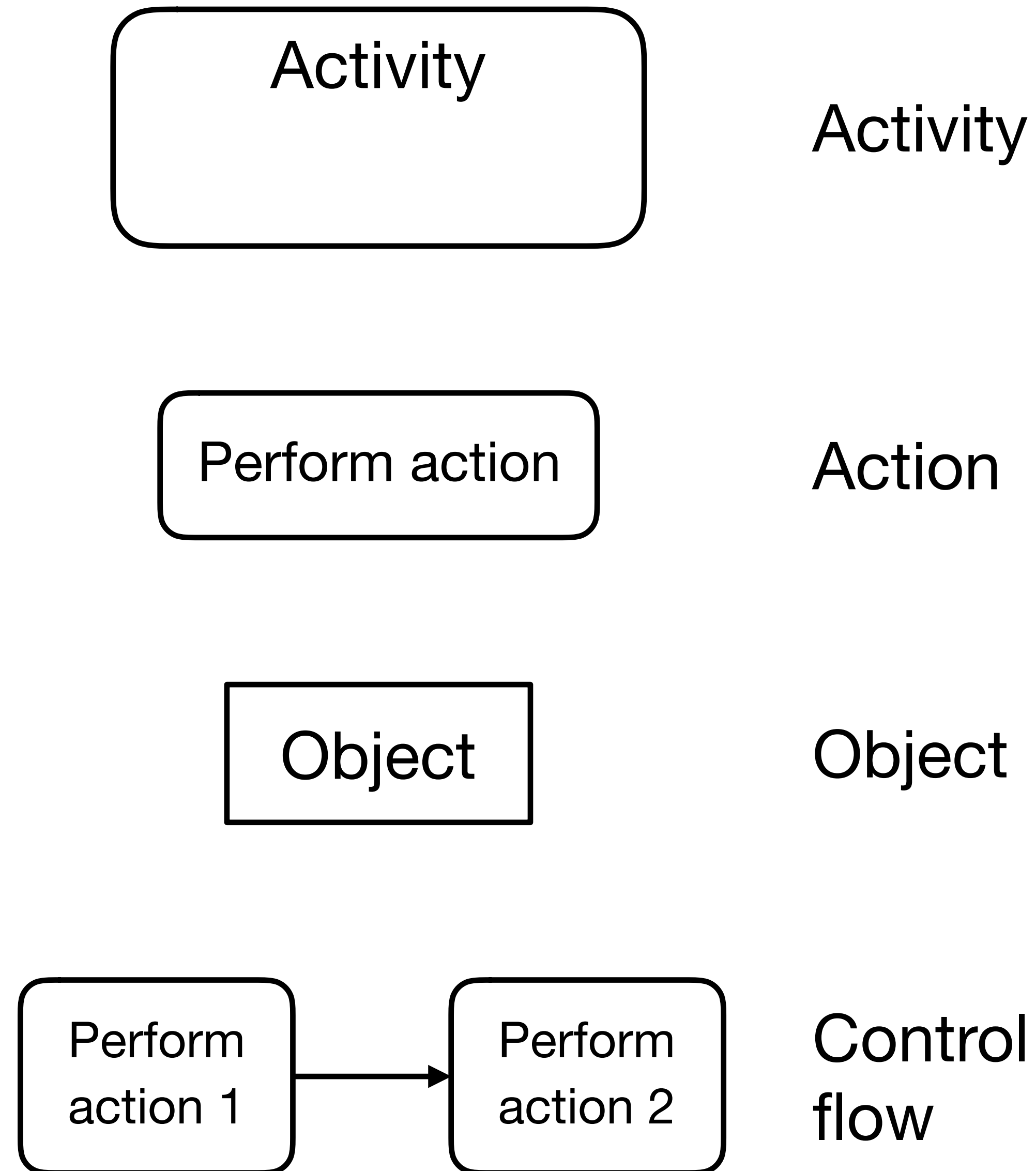# UML diagram taxonomy

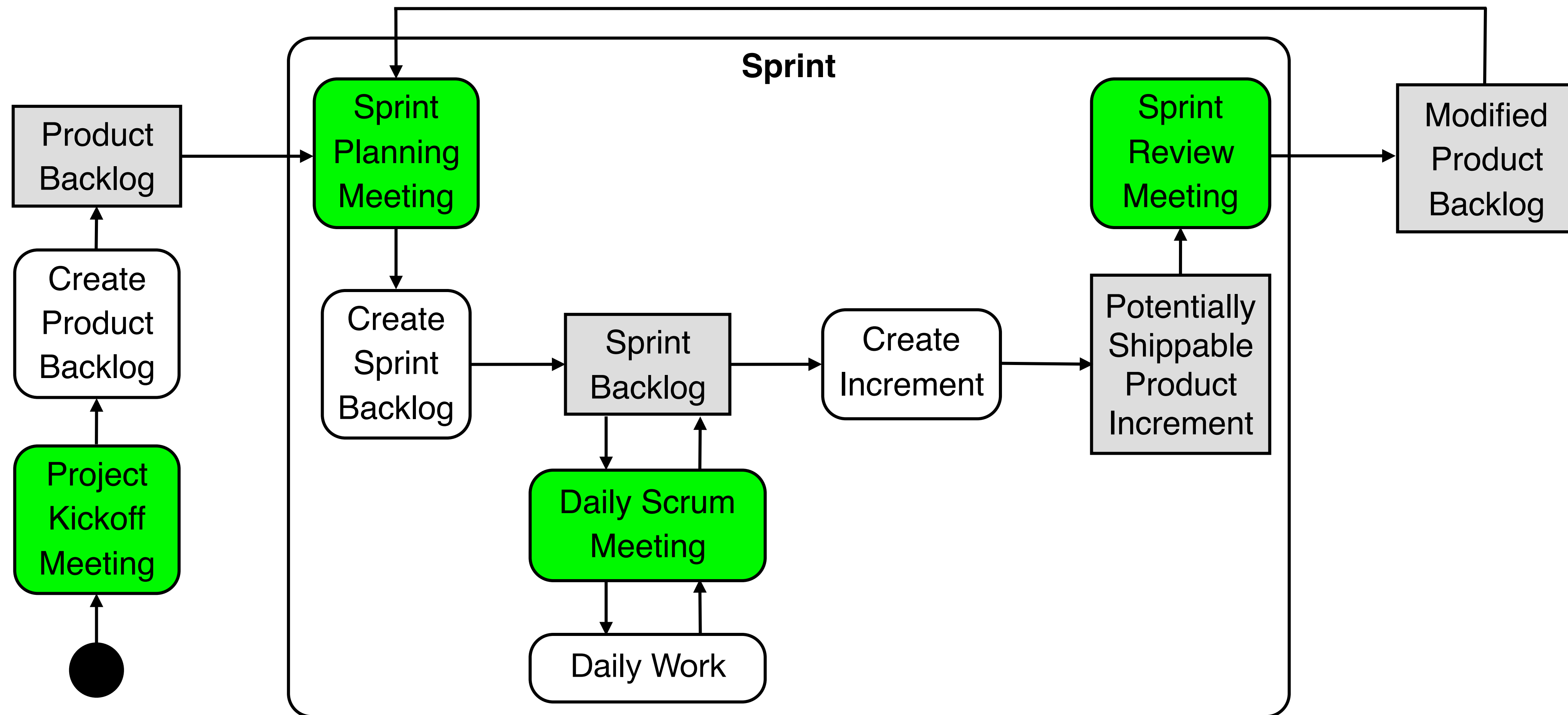# UML diagrams covered in this course

Purpose of activity diagrams

- Display sequence of actions

- Show the behavior of a system during analysis

- Model the business processes

- Model the software engineering process

Activity diagram elements

Activity

Activity

Perform action

Action

Object

Object

Perform action 1 → Perform action 2

Control flow

● ⟶ Initial node

⟶ ◉ Final node

[true] → Action of true

Action of false

[false]

Decision and merge node

Concurrent action 1

Concurrent action 1

Fork and join node

Example of an activity diagram

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UML Activity Diagram

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