

# Laboratório

## Diagrama de Classe UML

### Resumo da Notação

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**17/09/2024**

**INF**

INSTITUTO DE  
INFORMÁTICA



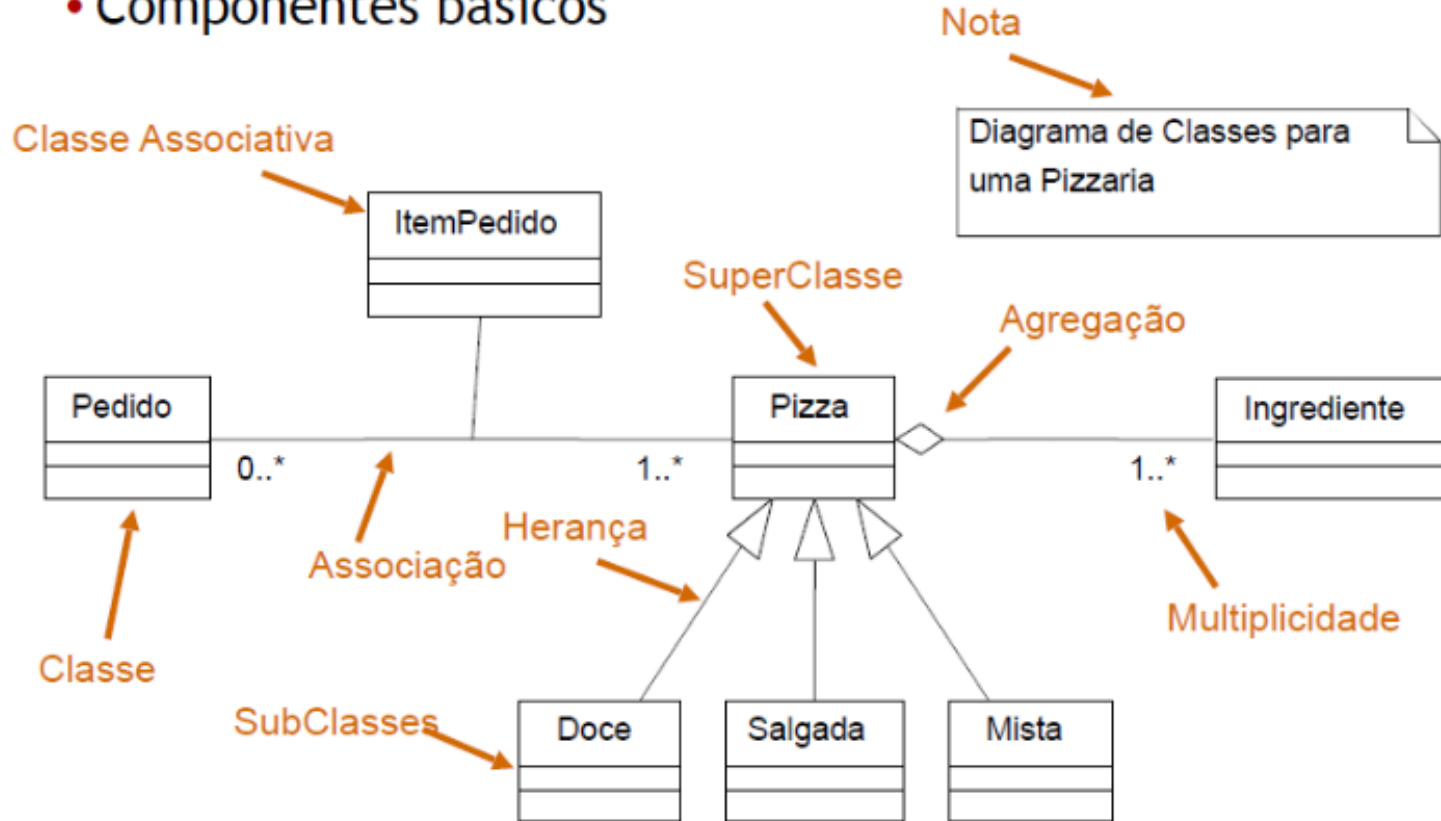
# **Diagrama de Classe UML**

## **Resumo da Notação**

## **Diagrama de Classe Resumo dos elementos da UMLet**

# Diagrama de Classe na UML

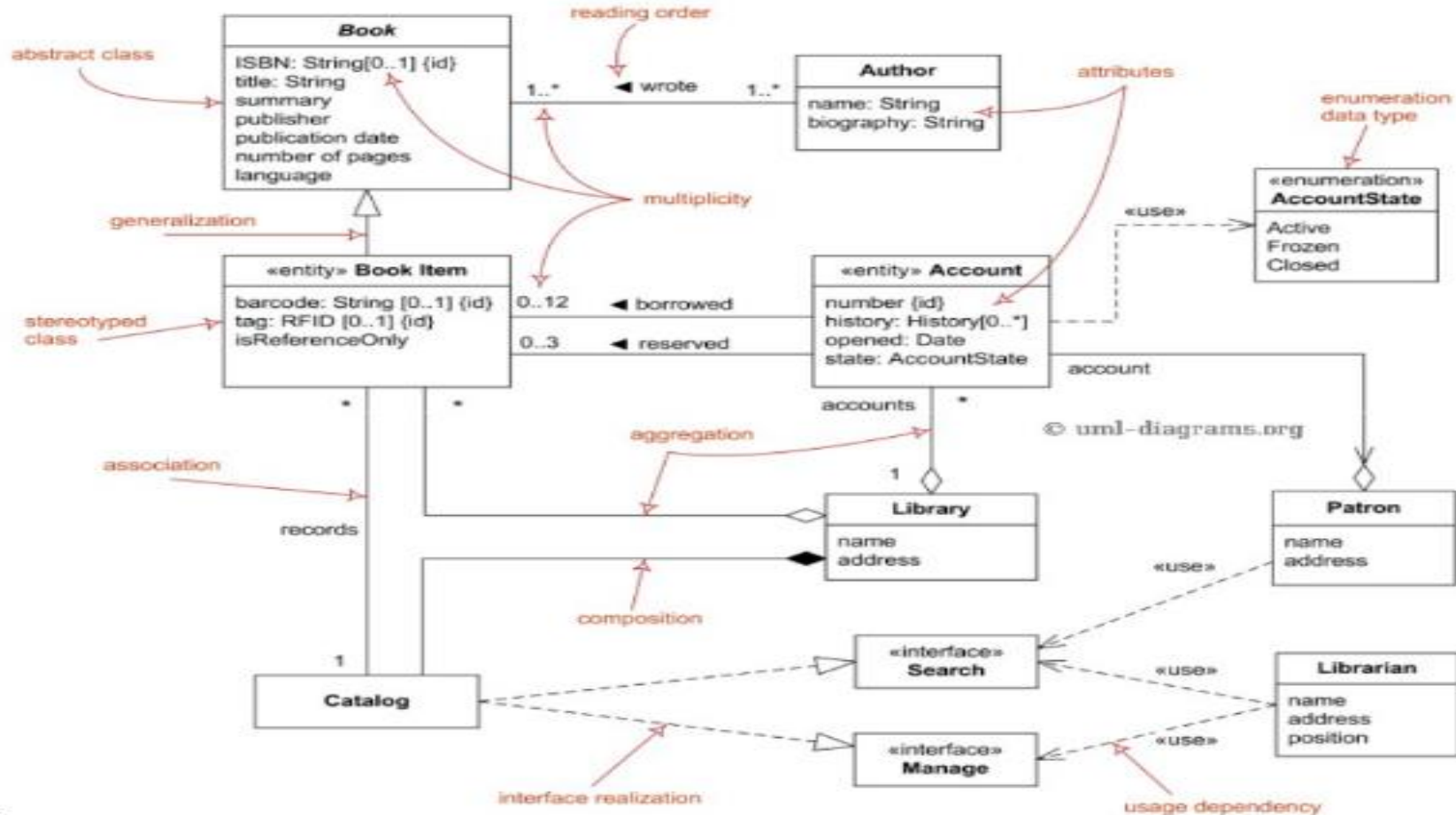
- Componentes básicos



# Diagrama de Classe na UML – Componentes

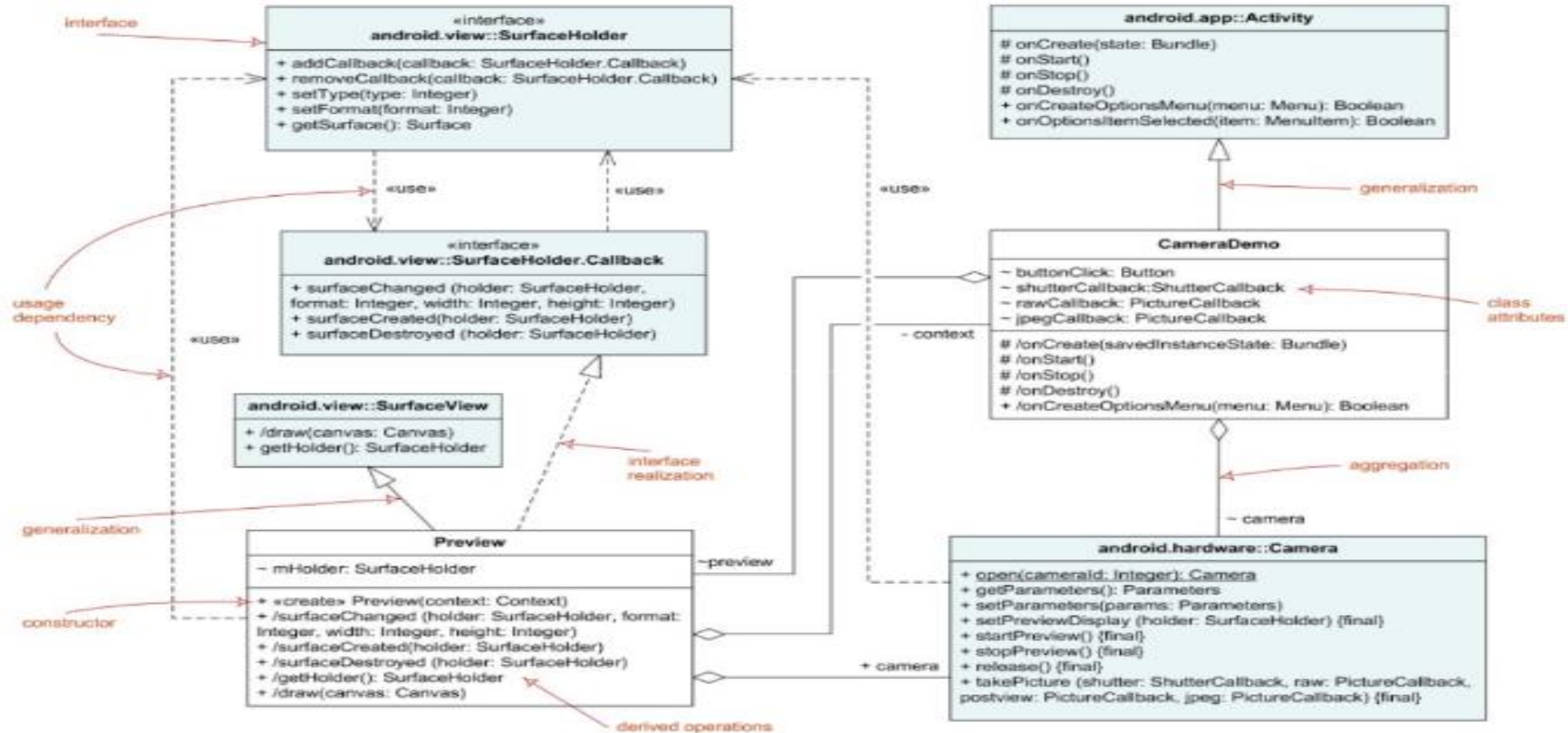
INF

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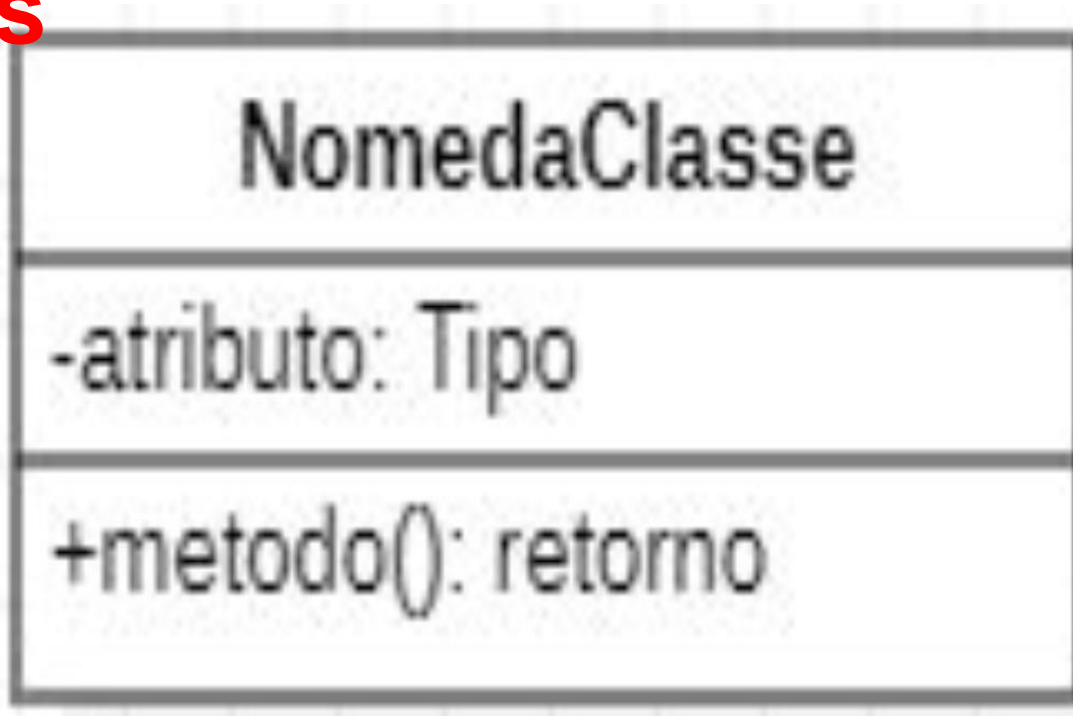


# Diagrama de Classe na UML – Componentes

INF

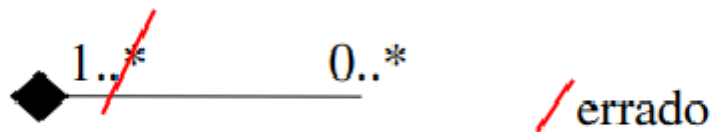


# Representação de um Diagrama de Classes



# Diagrama de Classe na UML

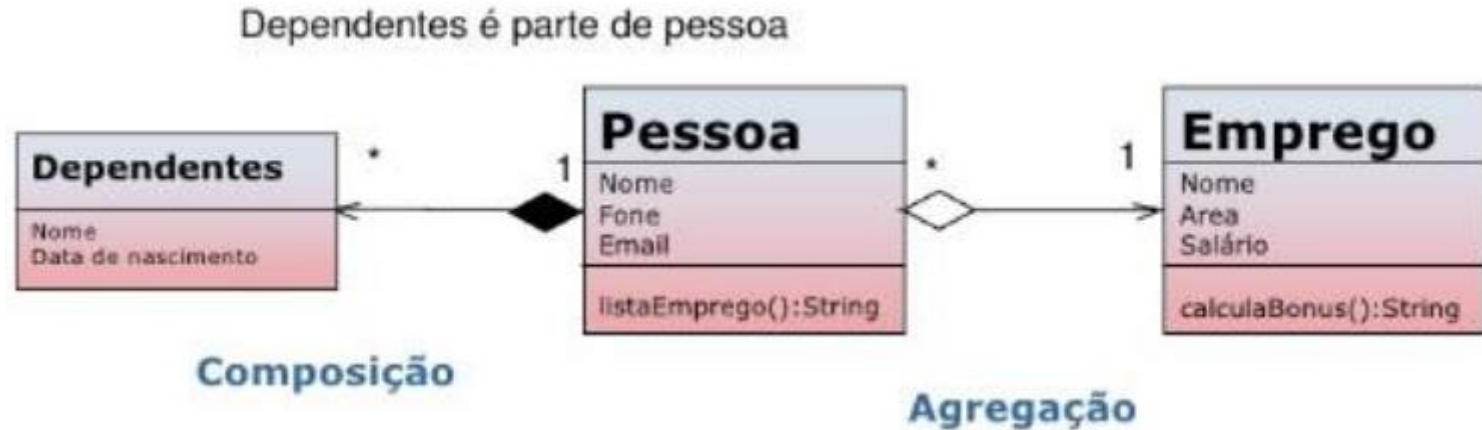
## Composição



- Quando o "todo" *morre* todas as suas "partes" também *morrem*

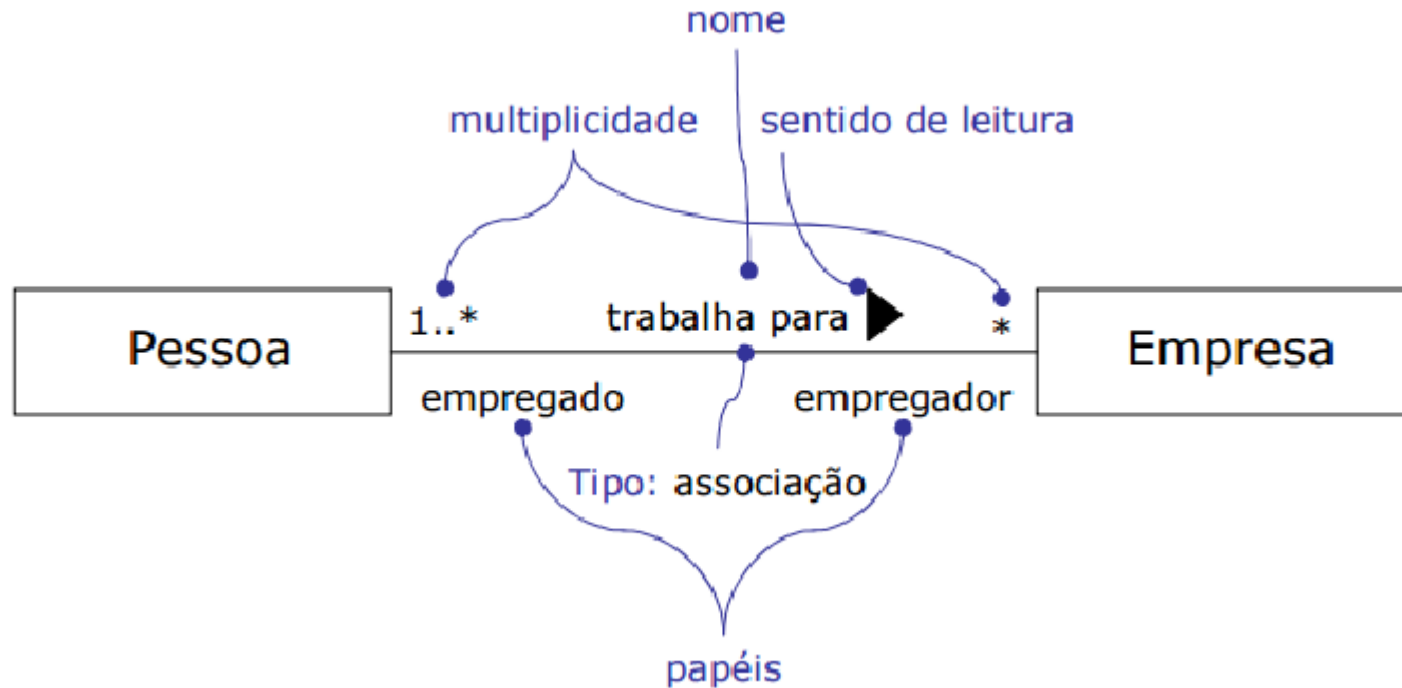
# Diagrama de Classe na UML

## Agregação/Composição

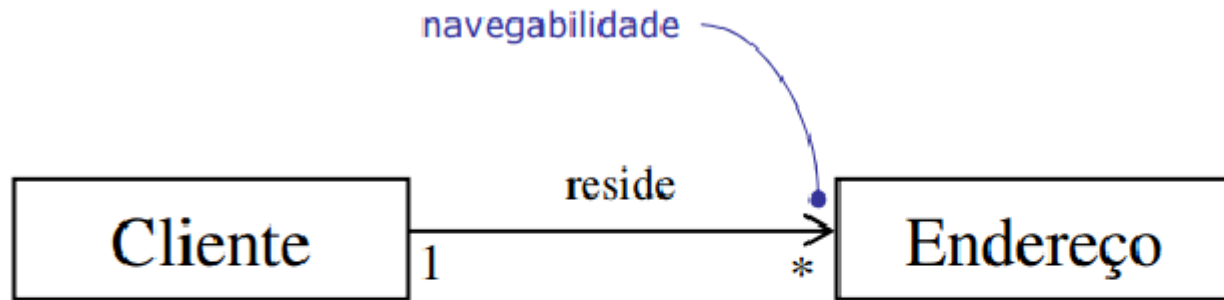




# Diagrama de Classe na UML Relacionamento



# Diagrama de Classe na UML Relacionamento



- O cliente sabe quais são seus endereços, mas o endereço não sabe a quais clientes pertence

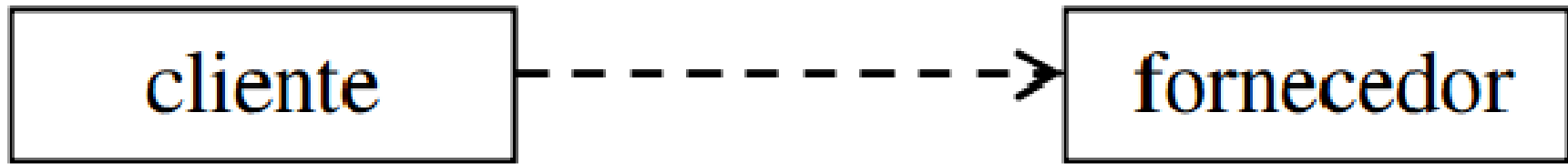
# Diagrama de Classe na UML

## Relacionamento de Associação



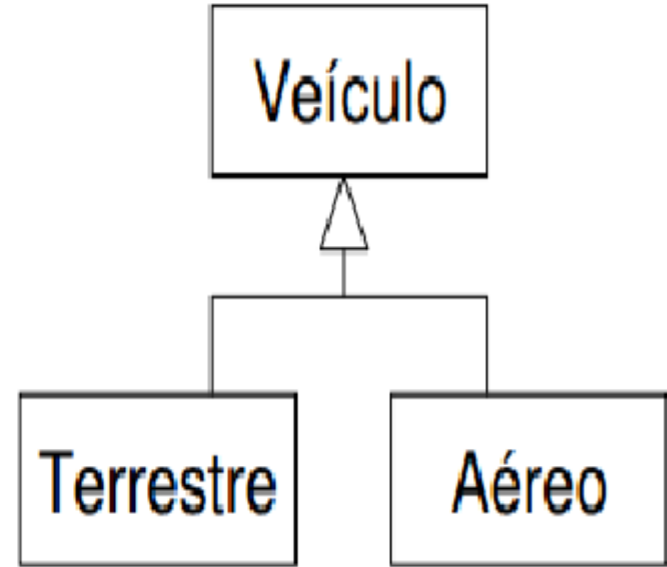
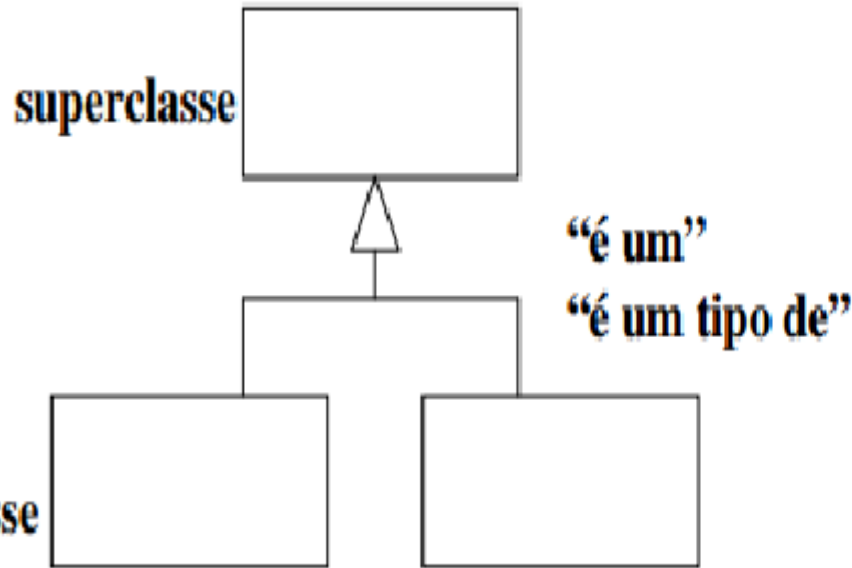
# Diagrama de Classe na UML

## Relacionamento de Dependência



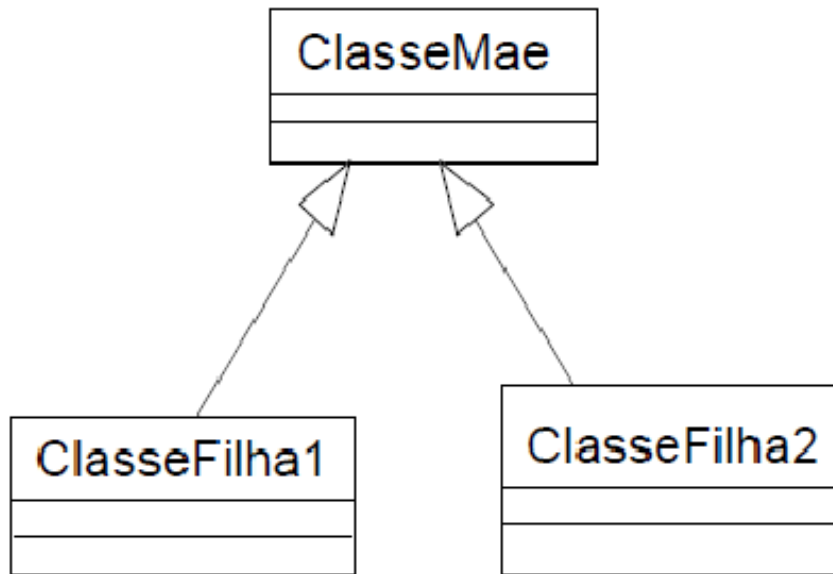
# Diagrama de Classe na UML

## Relacionamento de Generalização

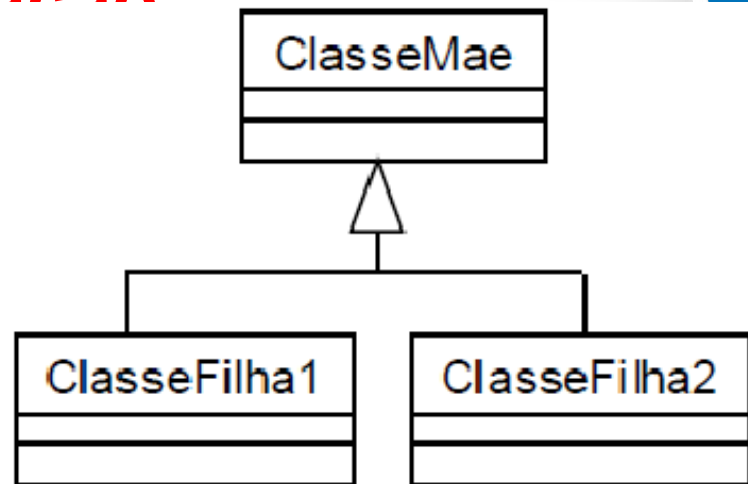


# Diagrama de Classe na UML

## Relacionamento de Generalização



Estilo com setas separadas

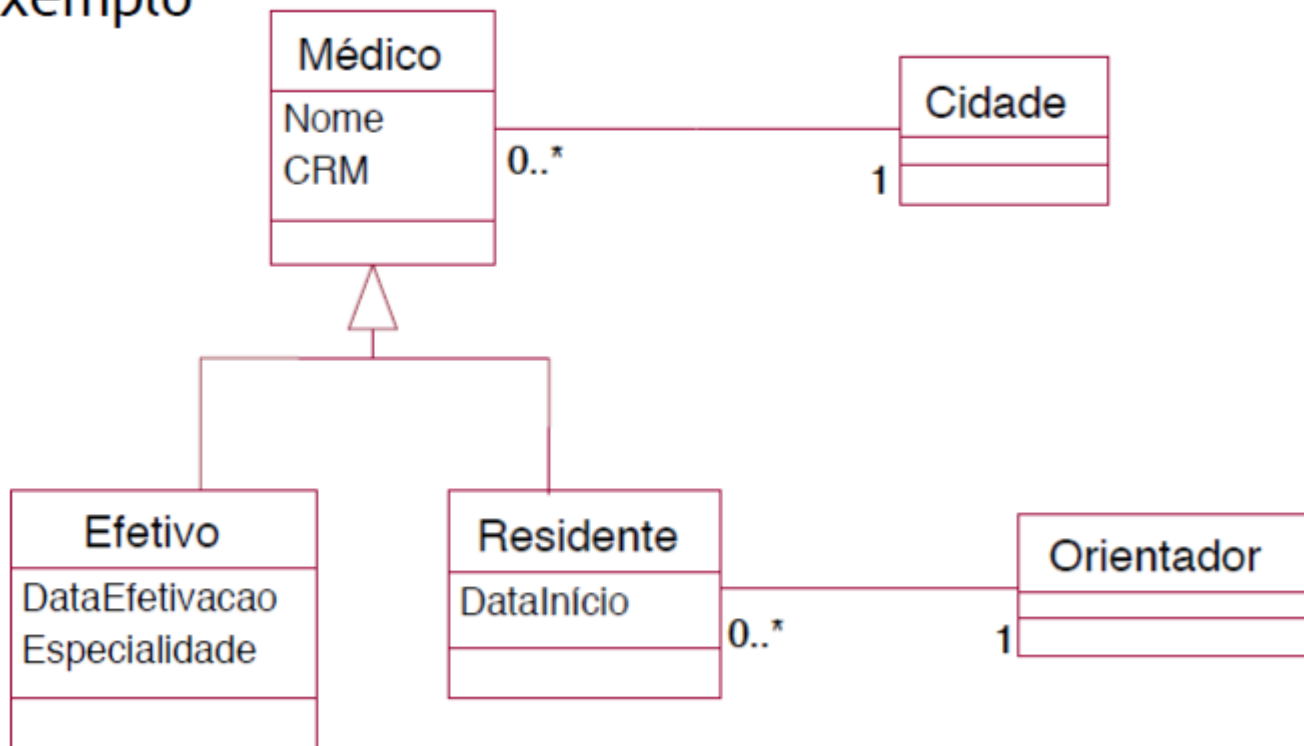


Estilo com setas Agrupadas

# Diagrama de Classe na UML

## Relacionamento de Generalização

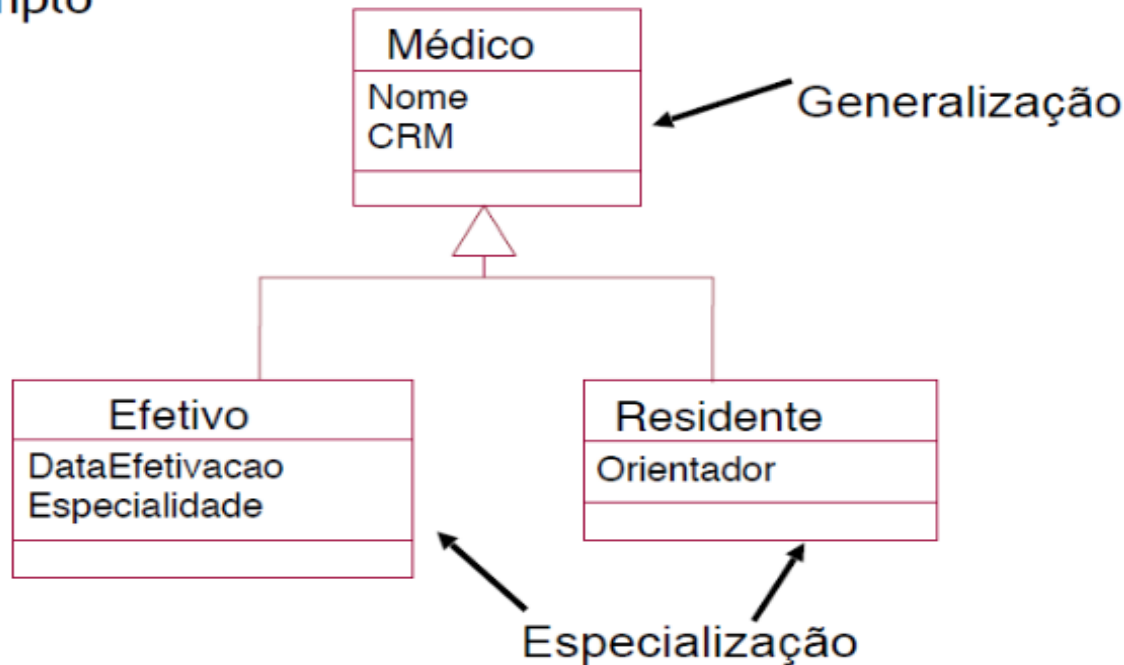
- Exemplo




# Diagrama de Classe na UML

## Relacionamento de Generalização/Especialização

- Exemplo





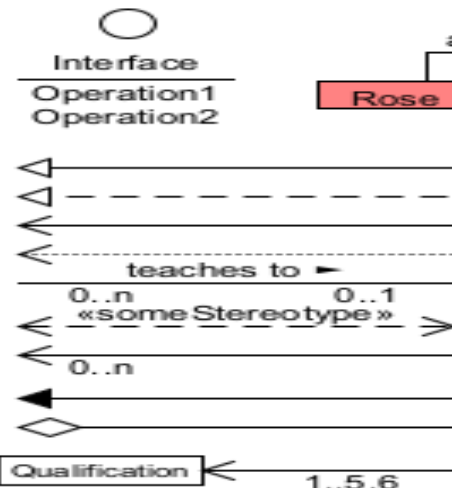
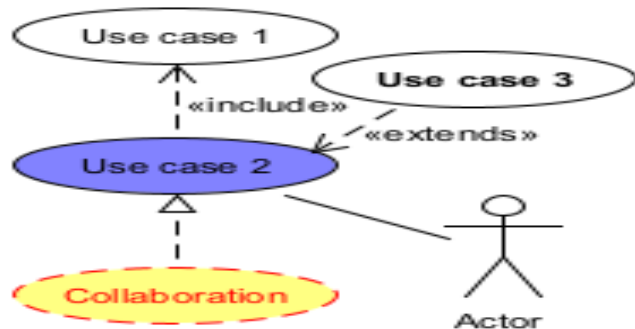
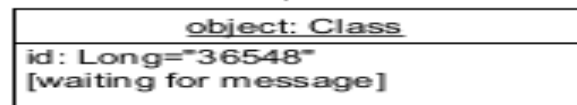
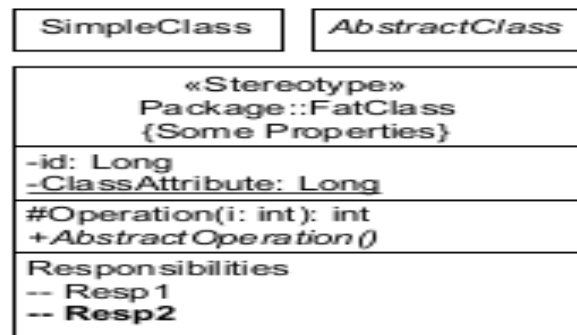


# **Diagrama de Classe**

## **Resumo dos elementos**

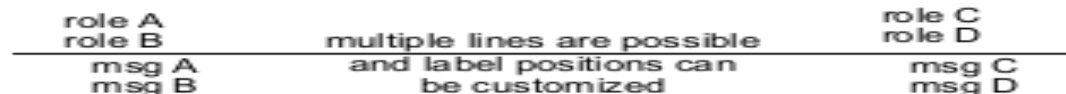
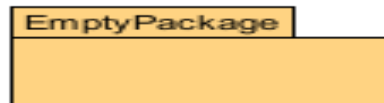
### **da UMLet**

# Elementos comuns da UML na ferramenta UMLet



a rose is a rose

Rose

This is a text  
element to  
place text  
anywhere.

# Elementos que podem ser usados em diferentes tipos de Diagrama de Classes na ferramenta UMLet

