Unified Modeling Language
Exercise: A Nursery

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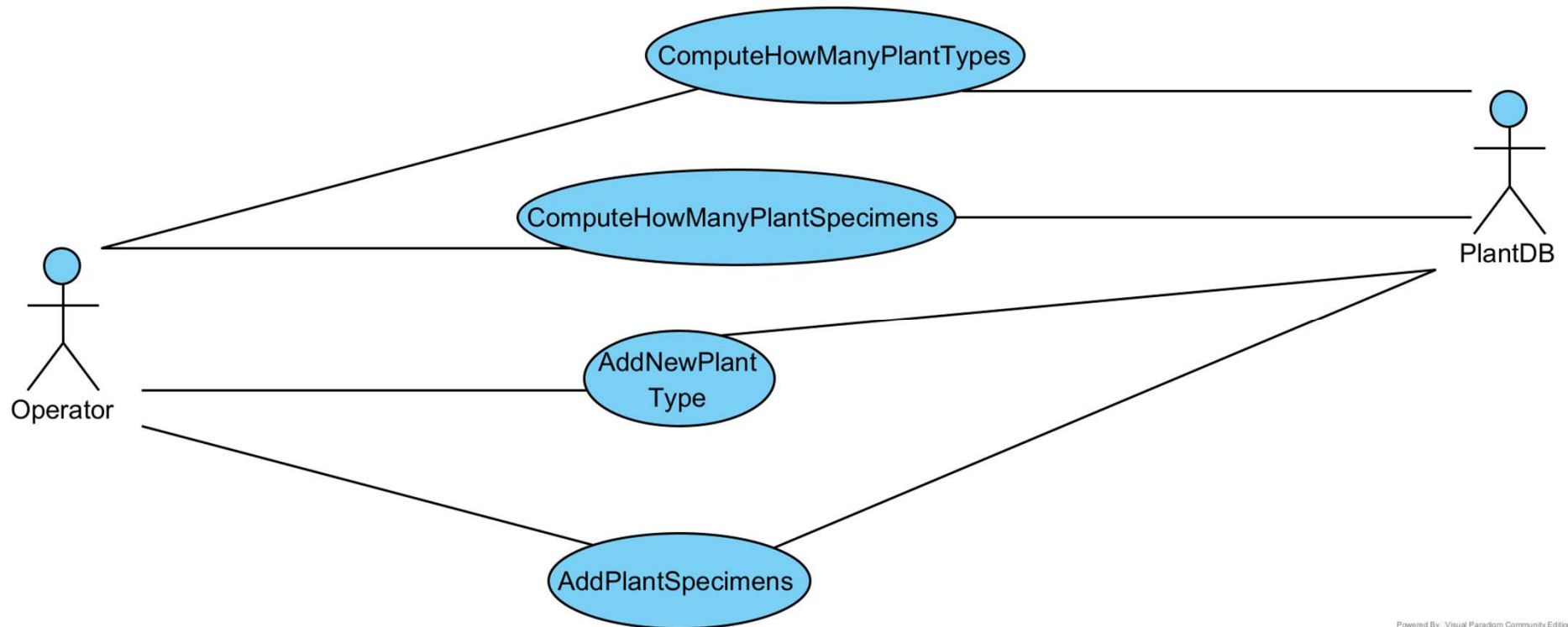Via Ottorino Rossi 9 – Padiglione Rossi

21100 Varese

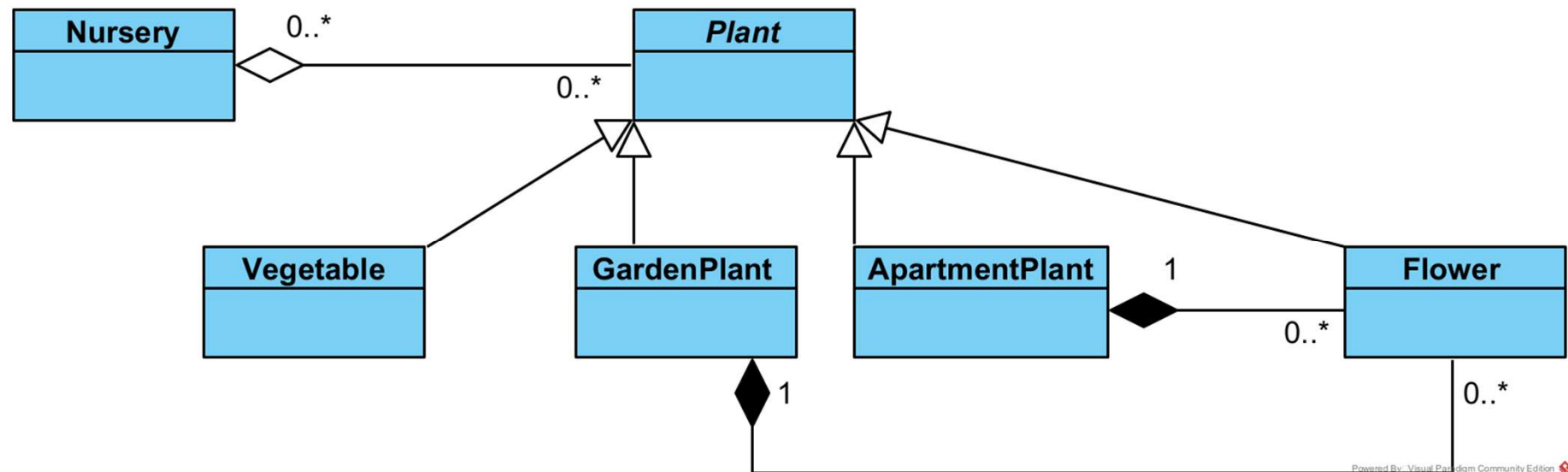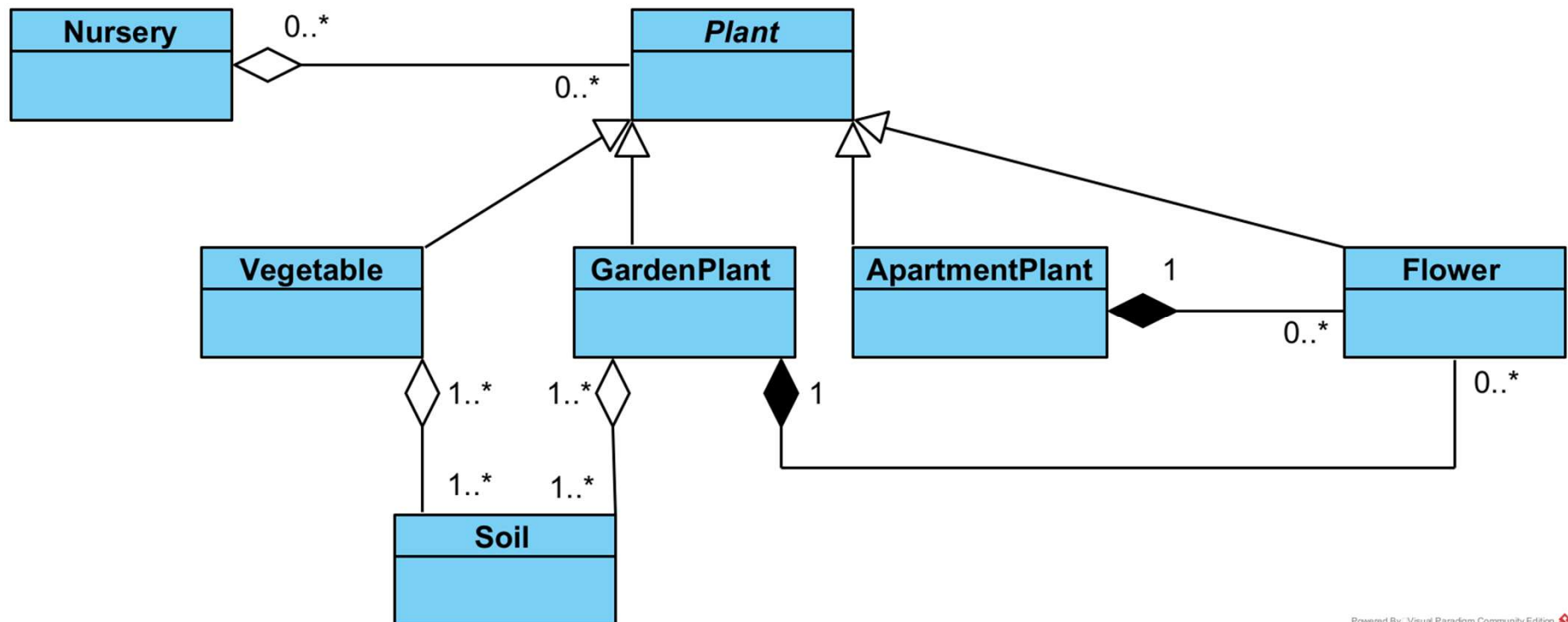sandro.morasca@uninsubria.it

- A simple Use Case Diagram

- A simple Class Diagram
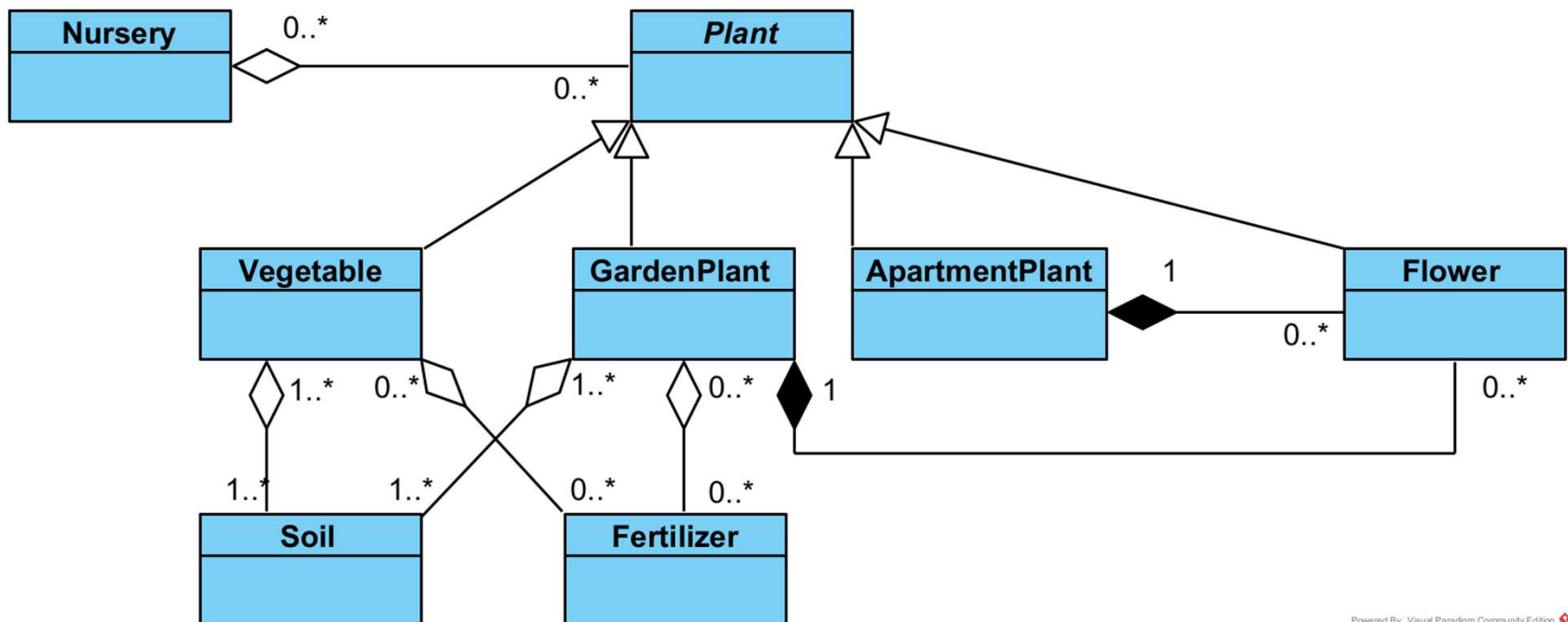 - Vegetable and GardenPlant have something in common, though
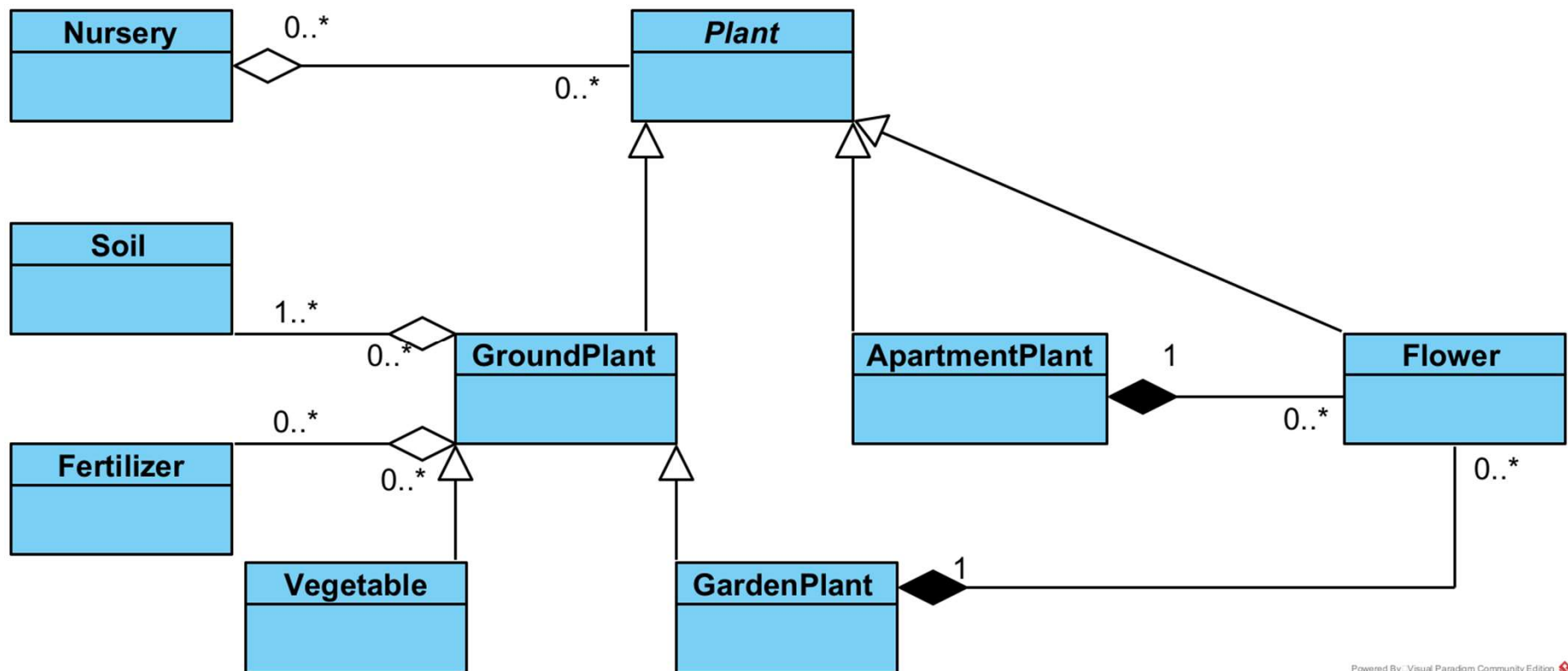
- What is wrong with this?

- If Vegetable and GardenPlant also have Fertilizer (and possibly many more things …) in common
  - the diagram becomes unnecessarily unwieldy
  - common characteristics are not factorized

- Better Class Diagram

- Class Diagram with a few attributes, methods, and

Nursery
+addPlantType() : void
+addPlantSpecimens() : void
+countPlantTypes() : int
+countPlantSpecimens() : int

0..*

Plant
-name : int
-count : int = 0
+addSpecimens() : void
+countSpecimens() : int

0..*

Soil

1..*

0..*

GroundPlant

ApartmentPlant

1

Flower

0..*

Fertilizer

0..*

0..*

0..*

0..*

Pot

0..*

Vegetable

GardenPlant

1

Fruit

Powered By: Visual Paradigm Community Edition

Sandro Morasca
Progettazione del Software

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