

Change of UoD

course: Information Modelling

CHANGE OF THE

Universe of Discourse

We retake the example of invoicing from one of the first chapters. We have the accounting system within a company. If the accounting service moves to a accountant company (that does the accountancy for several companies), it had an implication on the identity of some entities and therefor keys needed to be extended.

IMPORTANCE of UNIVERSE of DISCOURSE

UNIVERSE (or DOMAIN) of DISCOURSE: **Wonka Industries**



1971-42



1971-
313



1973-7



1973-84

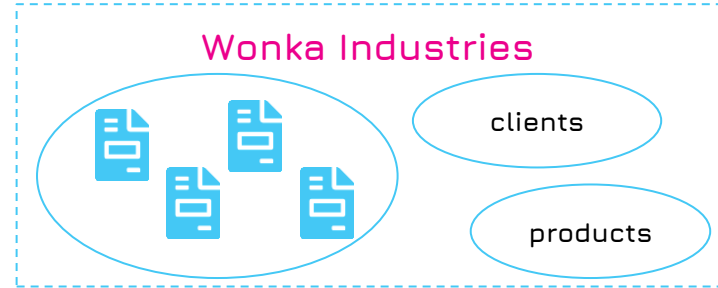
clients

products

each invoice number is **unique**

IMPORTANCE of UNIVERSE of DISCOURSE

UNIVERSE (or DOMAIN) of DISCOURSE: Smart Accountants Company



IMPORTANCE of UNIVERSE of DISCOURSE

UNIVERSE (or DOMAIN) of DISCOURSE: Smart Accountants Company

Wayne Enterprises

Nakatomi Trading Corp.

Stark Industries

Oceanic Airlines

Oscorp

Wonka Industries

clients

products

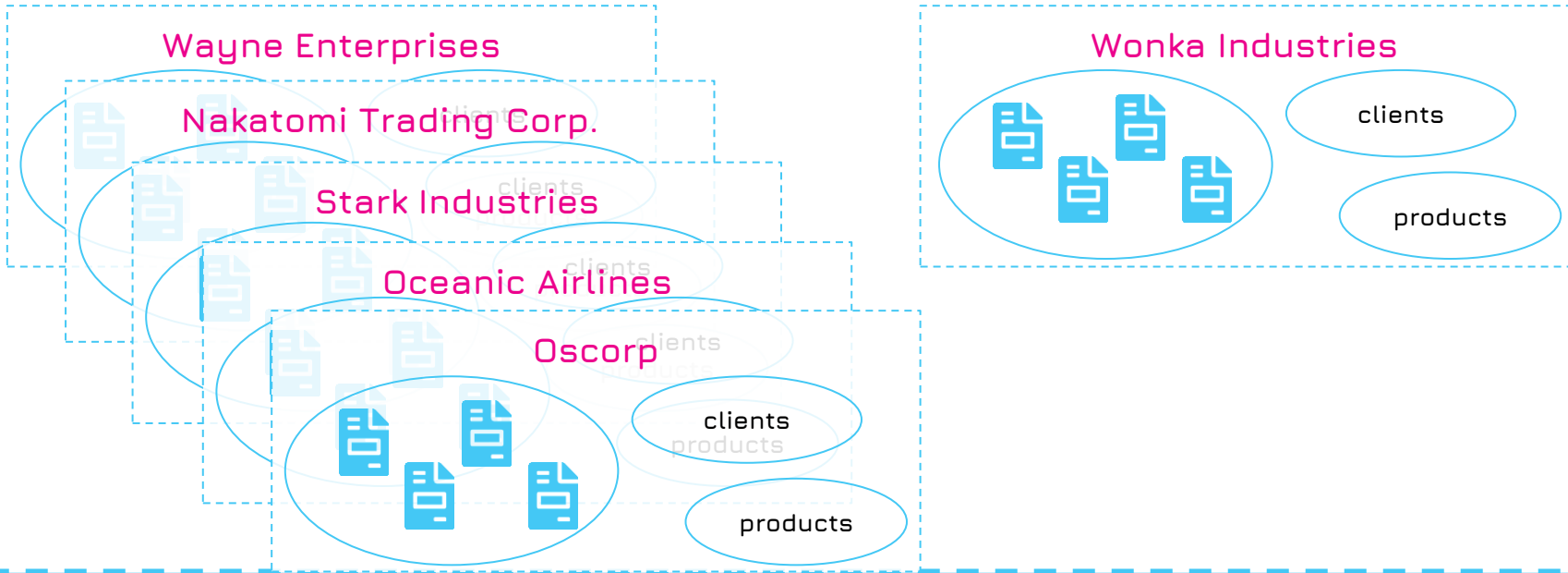
clients

products

products

each invoice number is
NOT unique

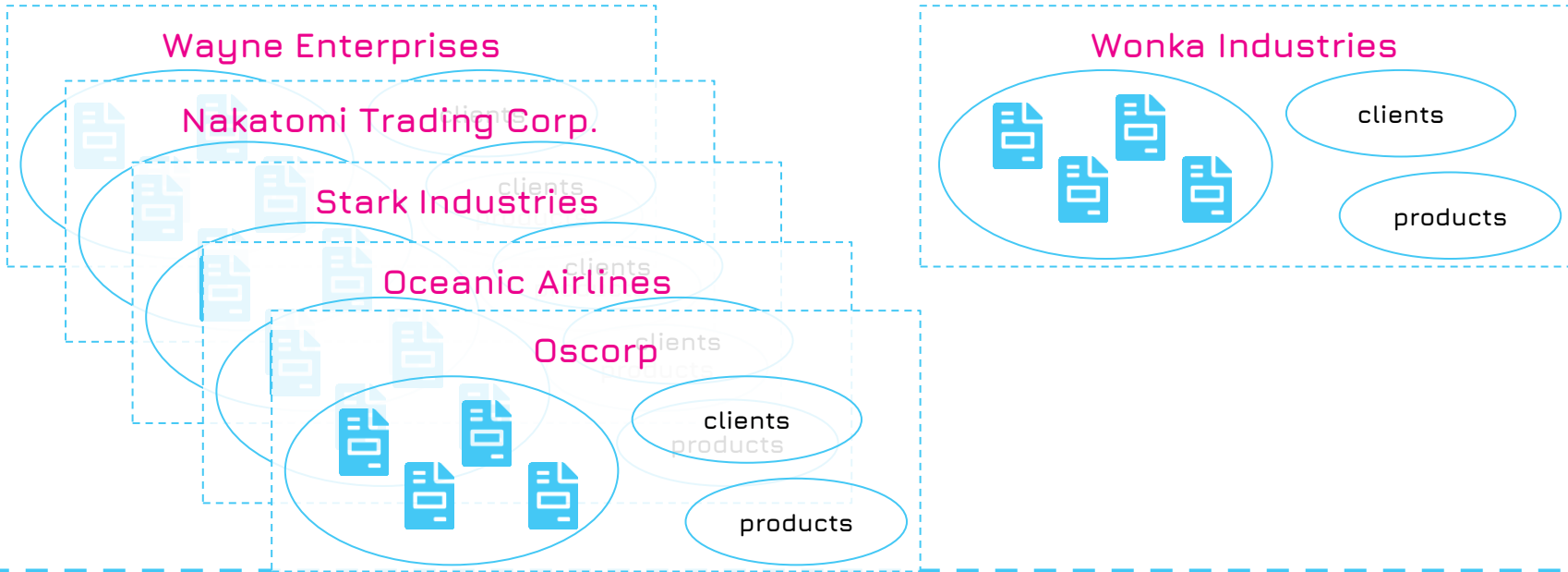
UNIVERSE (or DOMAIN) of DISCOURSE: Smart Accountants Company



you may need multiple attributes
to uniquely identify entities in an entity set

but it depends on the universe of discourse

UNIVERSE (or DOMAIN) of DISCOURSE: Smart Accountants Company



invoice number and its related company
uniquely identify the entities in the invoice set

but it depends on the universe of discourse

invoices



1971-42
Wonka...



1971-
313
Wonka...



1973-7
Wonka...



1973-84
Wonka...

invoice number and its related company
uniquely identify the entities in the invoice set

but it depends on the universe of discourse

invoices



1971-42
Wonka...



1971-
313
Wonka...



1973-7
Wonka...



1973-84
Wonka...



1973-84
Oscorp



1978-1
Oscorp



1988-42
Wayne...

invoice number and its related company
uniquely identify the entities in the invoice set

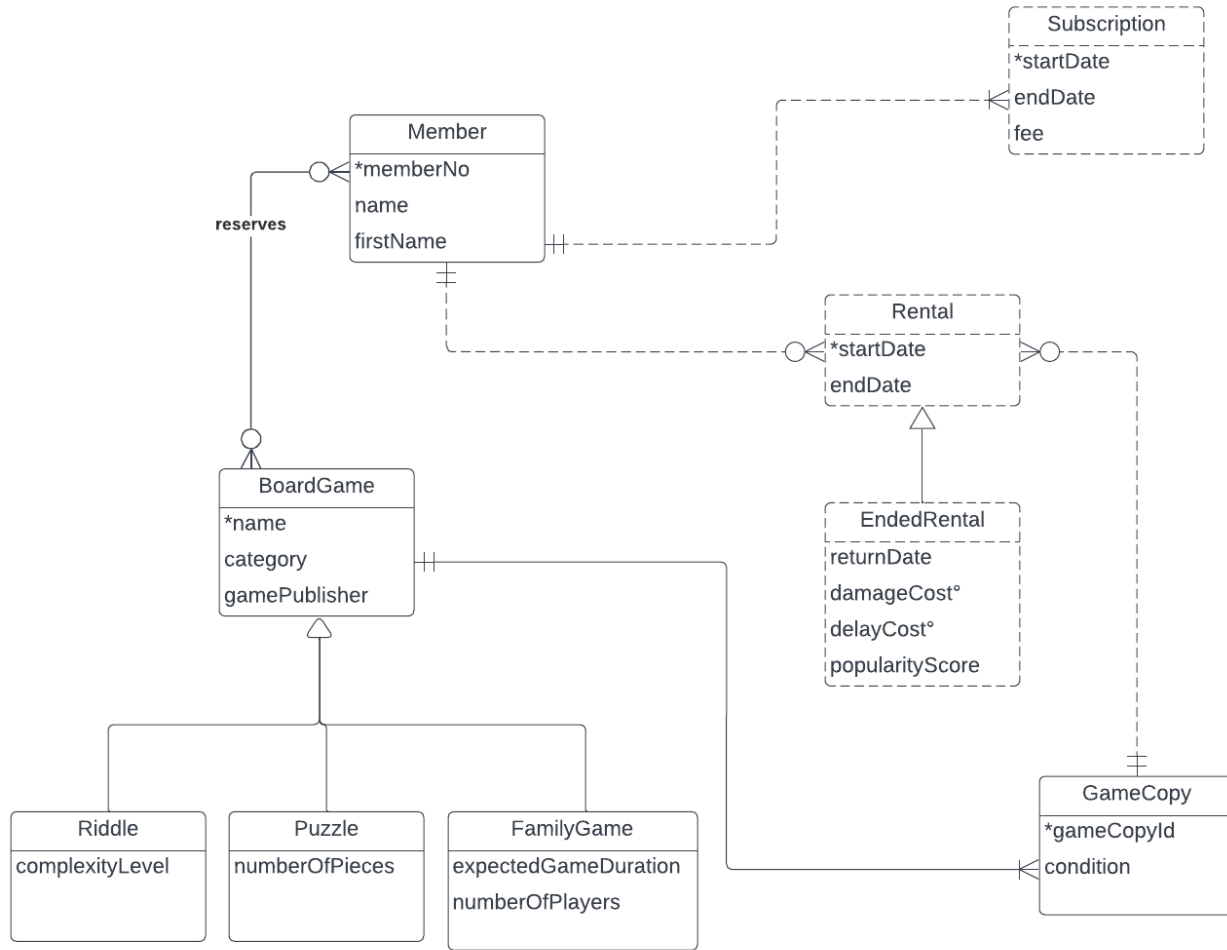
but it depends on the universe of discourse

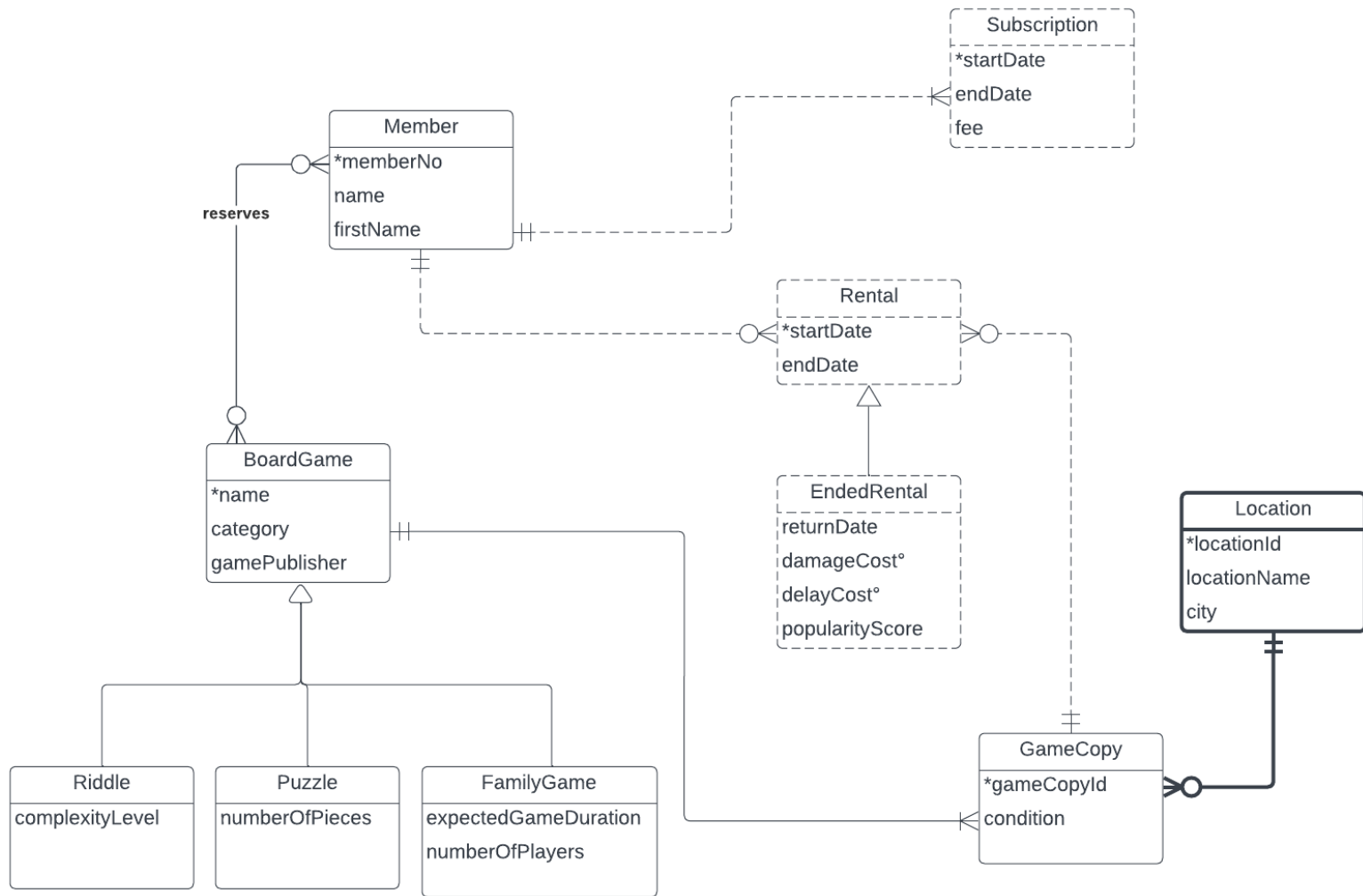
CHANGE OF THE

Universe of Discourse

Vintage Game Center has the plan to **extend** their business to **several locations** and be present in Ghent, Antwerp and Brussels.

What is the impact on the conceptual model (and thus all related information models)?





CHANGE OF THE

Universe of Discourse

An extension of the UoD with location in VGC only leads to a new entity type **Location** and we can consider that an entity of GameCopy is at a location. There might also be an implication on the **business case**. Is the membership limited to one location or is it still company wide? Another option is can we check-out a game at a location and return it back to another location?

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