

Entity/Relationship Model

Basic Notions

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Entity/Relationship model

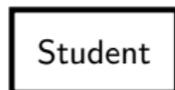
ER

1. Conceptual, high-level data model
2. Aimed mainly to represent relational data (RDBMs)
3. Graphical language
4. Instrumental in good database design

Building blocks

Entity

What classes of objects are there?



Relationship

How do they relate to each other?



Attributes

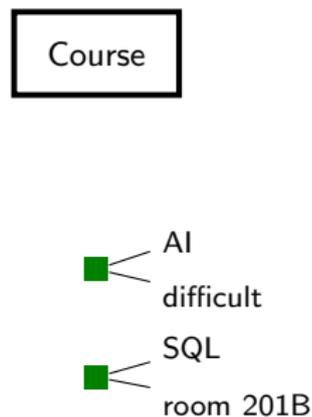
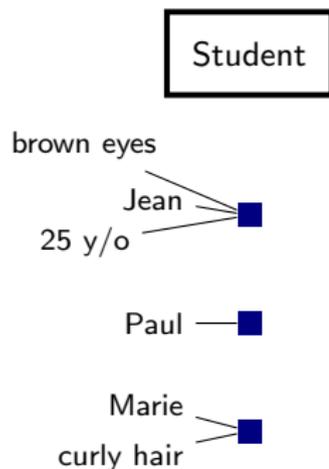
What relevant data is there?



Entities

Entity

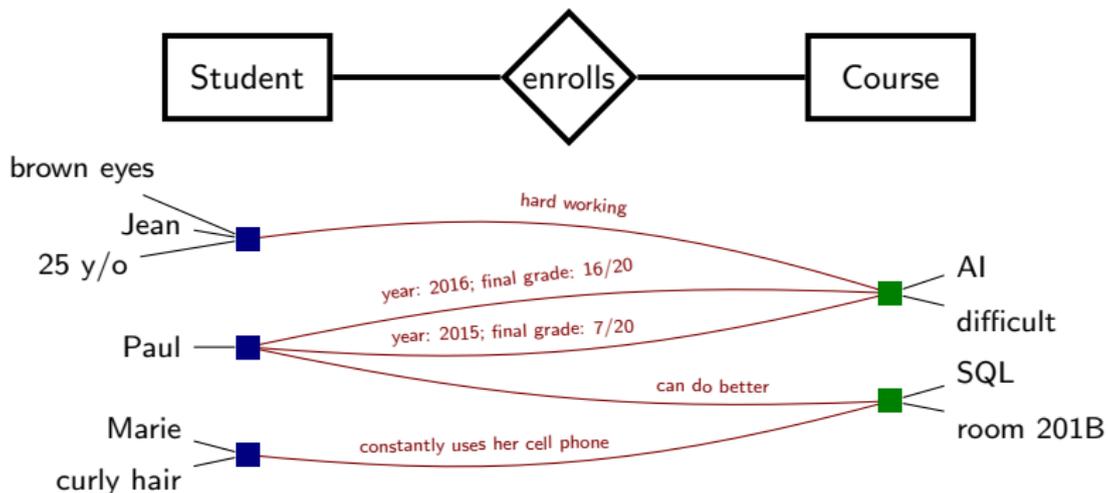
- ▶ a class of objects of the same kind
- ▶ can be concrete or abstract



Relationships

Relationship

- ▶ connects one, two, or more entities



Attributes

Attribute

- ▶ the relevant pieces of information

