

BITS, PILANI – K. K. BIRLA GOA CAMPUS

Database Systems (CS F212)

by

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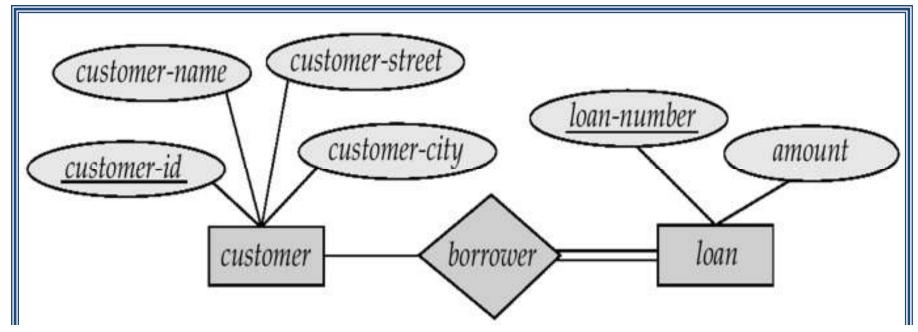


Examples

- Phone number (landline no, mobile no, office no)
- Hobbies of an employee (1 employee can have many hobbies)
- Are these multivalued attributes or 1:m mapping cardinality?
- Addresses (shipping address, billing address)
- Email_ids of an employee (personal email id, official email id)
- Loan taken by customer
- Dependents of an employee

Participation of an Entity Set in a Relationship Set Total participation

- every loan must have a customer associated to it via borrower
- participation of loan in borrower is total
- Indicated by double line



Participation constraint on a Relationship Set

Total participation: every entity in the entity set participates in at least one relationship in the relationship set

Partial participation: some entities may not participate in any relationship in the relationship set

E.g. participation of customer in borrower is partial Indicated by single line