

# Schema Design

dependent (d\_ID, employee\_ID, name, age)

employee (employee\_ID, warehouse\_ID, name salary)

employee\_phone (employee\_ID, phone)

machines (machine\_ID, name)

warehouse (warehouse\_ID, street\_number, street\_name, city, state, country)

security (company\_ID, name)

product (prod\_ID, manufacturer\_ID, type, price)

customer (customer\_ID, name, street\_number, street\_name, city, state, country)

manufacturer (manufacturer\_ID, name, street\_number, street\_name, city, state, country)

operates (employee\_ID, machine\_ID)

contains (warehouse\_ID, prod\_ID)

protected\_by (warehouse\_ID, company\_ID)

ordered\_by (prod\_ID, customer\_ID, date\_ordered)

## Requirements

- (a) dependent is a weak entity set of employee
- (b) address was a composite attribute – it has been decomposed
- (c) phone was a multivalued attribute in employee – it has been converted to two relations