Logical Database Design

ski

classic_ski(model, type_of_skiing, temperature, size, weight_class, grip_system, description, historical, msrp, production_date, product_nr)
Primary Key model, type_of_skiing, temperature, size, weight_class

skate_ski(model, type_of_skiing, temperature, size, weight_class, grip_system, description, historical, msrp, production_date, product_nr)
Primary Key model, type_of_skiing, temperature, size, weight_class

order consists of ski

ski_order(model, type_of_skiing, temperature, size, weight_class, order_number, quantity)
Primary Key model, type_of_skiing, temperature, size, weight_class, order_number
Foreign Key model REFERENCES ski(model)
Foreign Key type_of_skiing REFERENCES ski(type_of_skiing)
Foreign Key temperature REFERENCES ski(temperature)
Foreign Key size REFERENCES ski(size)
Foreign Key weight_class REFERENCES ski(weight_class)
Foreign Key order_number REFERENCES order(number)

customer places order
customer(id, contract_start, contract_end)
Primary Key id

order(number, customer_id, ski_type, price, state)
Primary Key number
Foreign Key customer_id REFERENCES customer(id)

order becomes shipment

order(number, ski_type, price, state)
Primary Key number

shipment(number, order_number, store_name. shipping_address, pickup_date, state,
transport_company, driver_id)
Primary Key number
Foreign Key order_number REFERENCES order(number)

shipment transported by transporter

transporter(company_name)
Primary Key company_name

shipment(number, transporter_company_name, store_name. shipping_address, pickup_date, state,
transport_company, driver_id)
Primary Key number
Foreign Key transporter_company_name REFERENCES transporter(company_name)

customer

franchise_customer(customer_id, contract_start, contract_end, name, address, price)
Primary Key customer_id

store_customer(customer_id, contract_start, contract_end, name, address, price)
Primary Key customer_id

athlete_customer(customer_id, contract_start, contract_end, name, dob, club, annual_quant)
Primary Key customer_id

customer_rep handles order

production_planer(number, name)
Primary Key number

storekeeper(number, name)
Primary Key number

customer_rep(number, name)
Primary Key number