

# Logical Database Design

**skiType**(id, type, model, temperature, gripSystem, TypeOfSkiing, description, historical, msrp)  
PRIMARY KEY id

**order**(number, totalPrice, state, customer\_id, shipment\_number, storekeeper\_number, customer\_rep\_number)  
PRIMARY KEY number  
FOREIGN KEY customer\_id REFERENCES customer(id)  
FOREIGN KEY shipment\_number REFERENCES shipment(number)  
FOREIGN KEY storekeeper\_number REFERENCES storekeeper(number)  
FOREIGN KEY customer\_rep\_number REFERENCES customer\_rep(number)

**orderItems**(order\_number, ski\_pnr)  
PRIMARY KEY order\_number, ski\_pnr  
FOREIGN KEY order\_number REFERENCES order(number)  
FOREIGN KEY ski\_pnr REFERENCES ski(pnr)

**ski**(pnr, size, weightClass, productionDate, ski\_type\_id, storekeeper\_number)  
PRIMARY KEY pnr  
FOREIGN KEY order\_number REFERENCES order(number)  
FOREIGN KEY ski\_type\_id REFERENCES ski\_type(id)  
FOREIGN KEY storekeeper\_number REFERENCES storekeeper(number)

**shipment**(number, store\_name, shipping\_address, pickup\_date, state, transport\_company, driver\_id, order\_number, transporter\_company\_name)  
Primary Key number  
Foreign Key order\_number REFERENCES order(number)  
Foreign Key transporter\_company\_name REFERENCES transporter(company\_name)

**customer**(id, contractStart, contractEnd)  
PRIMARY KEY id

**franchise**(customer\_id, name, address, price)  
PRIMARY KEY customer\_id  
FOREIGN KEY customer\_id REFERENCES customer(id)

**store**(customer\_id, name, address, price)  
PRIMARY KEY customer\_id  
FOREIGN KEY customer\_id REFERENCES customer(id)  
**athlete**(customer\_id, firstName, lastName, dob, club, annual\_quant)  
PRIMARY KEY customer\_id

FOREIGN KEY customer\_id REFERENCES customer(id)

**productionPlan**(period, production\_planer\_number)

PRIMARY KEY period

FOREIGN KEY production\_planer\_number REFERENCES production\_planer(number)

**productionPlanSkis**(production\_plan\_period, ski\_pnr, quantity)

PRIMARY KEY production\_plan\_period, ski\_pnr

FOREIGN KEY production\_plan\_period REFERENCES production\_plan(period)

FOREIGN KEY ski\_pnr REFERENCES ski(pnr)

**production\_planer**(number, name)

Primary Key number

**storekeeper**(number, name)

Primary Key number

**customer\_rep**(number, name)

Primary Key number