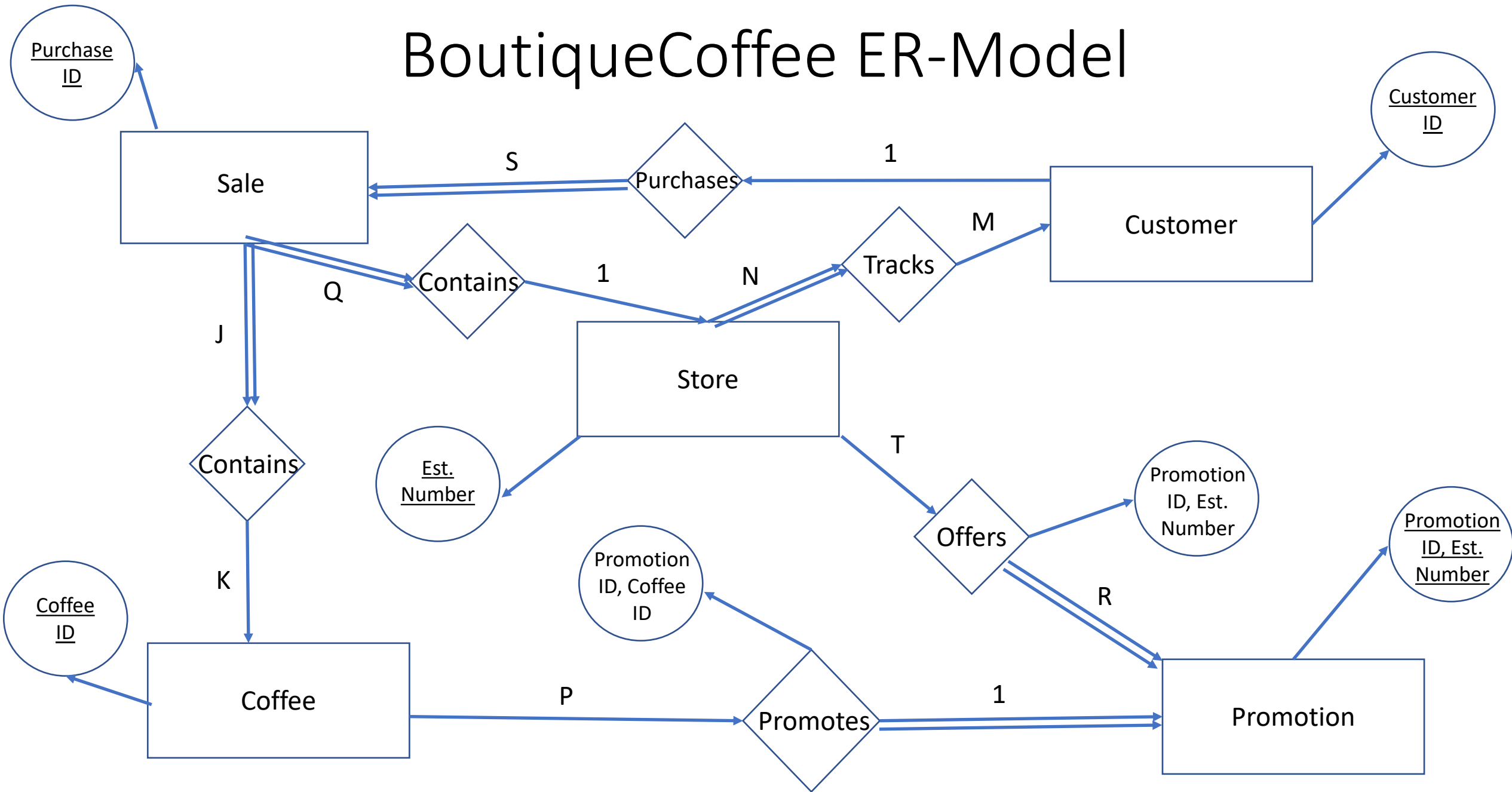


BoutiqueCoffee ER-Model



Assumptions

- Stores share customer records
- A specific coffee can have only one ongoing promotion
- Stores can run multiple different ongoing promotions

Integrity Constraints

- NOT NULL attributes: store.name, gps_lat, gpa_lon, coffee.name, price, first, last, phone_number, start_date, end_date, promo.name
- DEFAULT attributes: reward_pts = 0, points_earned = 0, purchase_portion = 1, redeem_portion = 0
- Domain constraints: store_type = {sitting, kiosk}, phone_number = {home, mobile, work, other}, loyalty_level = {basic, bronze, silver, gold, platinum, diamond}

Textual Form

Entities:

STORE: name, est. num, store_type, gps_lat, gps_lon;

COFFEE: coffee_id, name, decription, country, intensity, price, reward_pts, redeem_pts;

CUSTOMER: customer_id, name(first, last, middle), birth_day, birth_month, phone_number, phone_type, points_earned;

Loyalty: loyalty_level, booster;

PROMO: promo_id, name, start_date, end_date;

SALE: purchase_id, redeem_portion, purchase_portion, coffee_id, est. num, customer_id, purchase_time;

Relationships:

TRACKS: <STORE, CUSTOMER> N:M, total/partial;

OFFERS: <STORE, PROMO> N:M, partial/total, promotion_id, est. num;

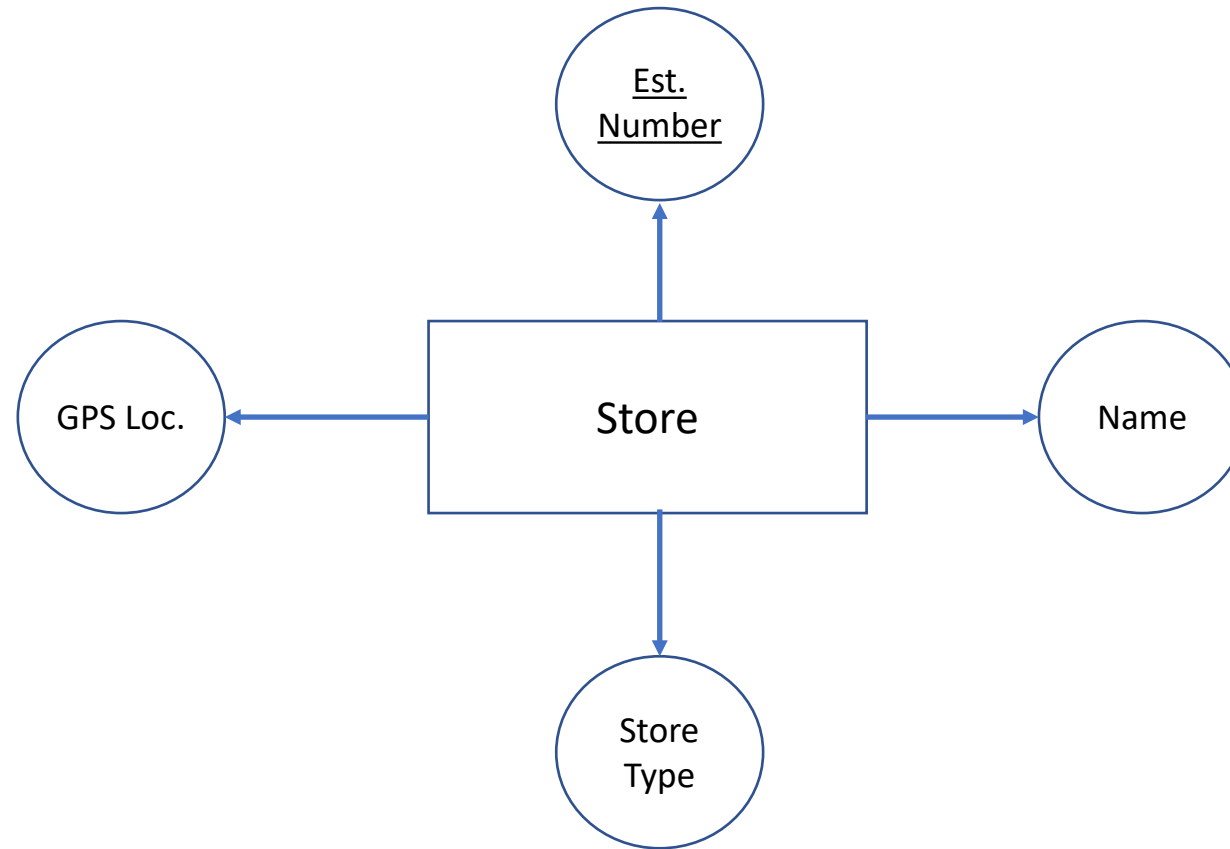
PROMOTES: <COFFEE, PROMO> N:1, partial/total, promotion_id, coffee_id;

CONTAINS: <SALE, STORE>, N:1, total/partial;

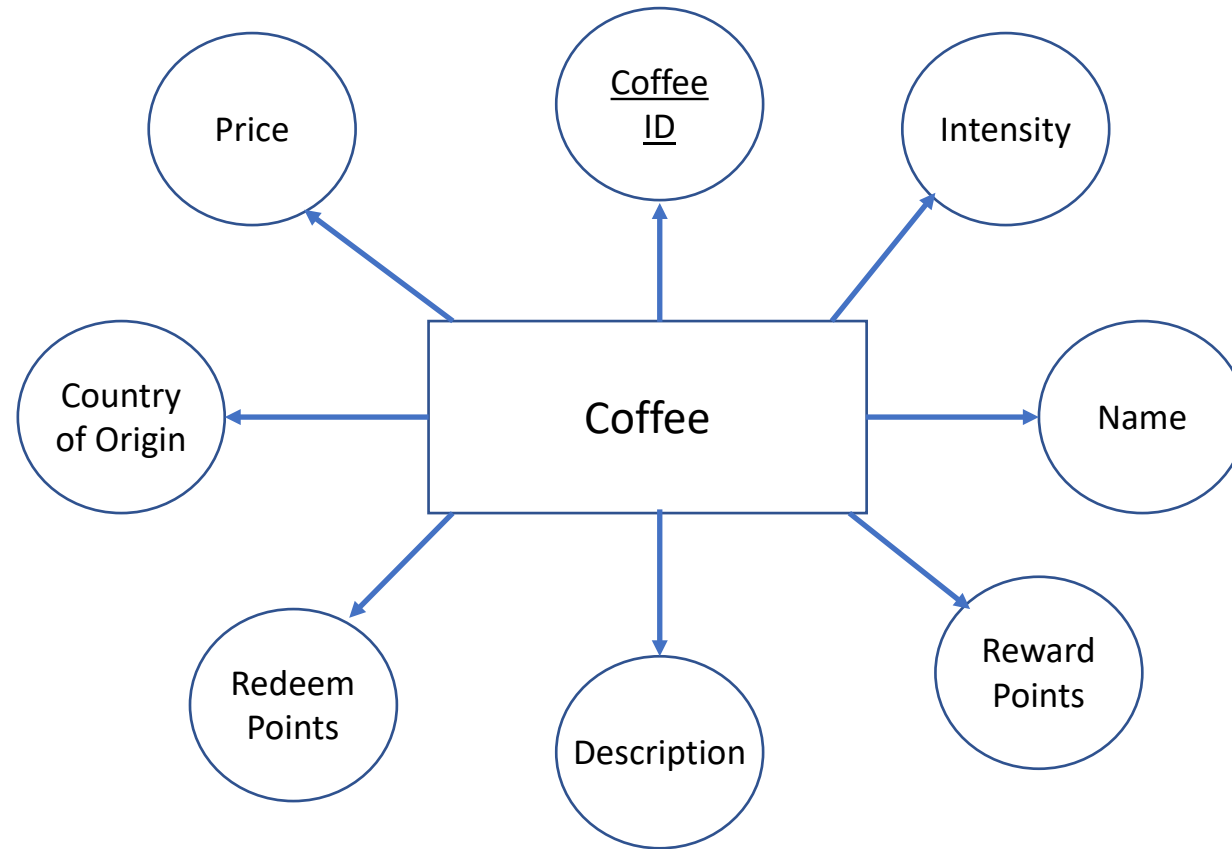
CONTAINS: <SALE, COFFEE> N:1, total/partial;

PURCHASES: <SALE, CUSTOMER> N:1, total/partial;

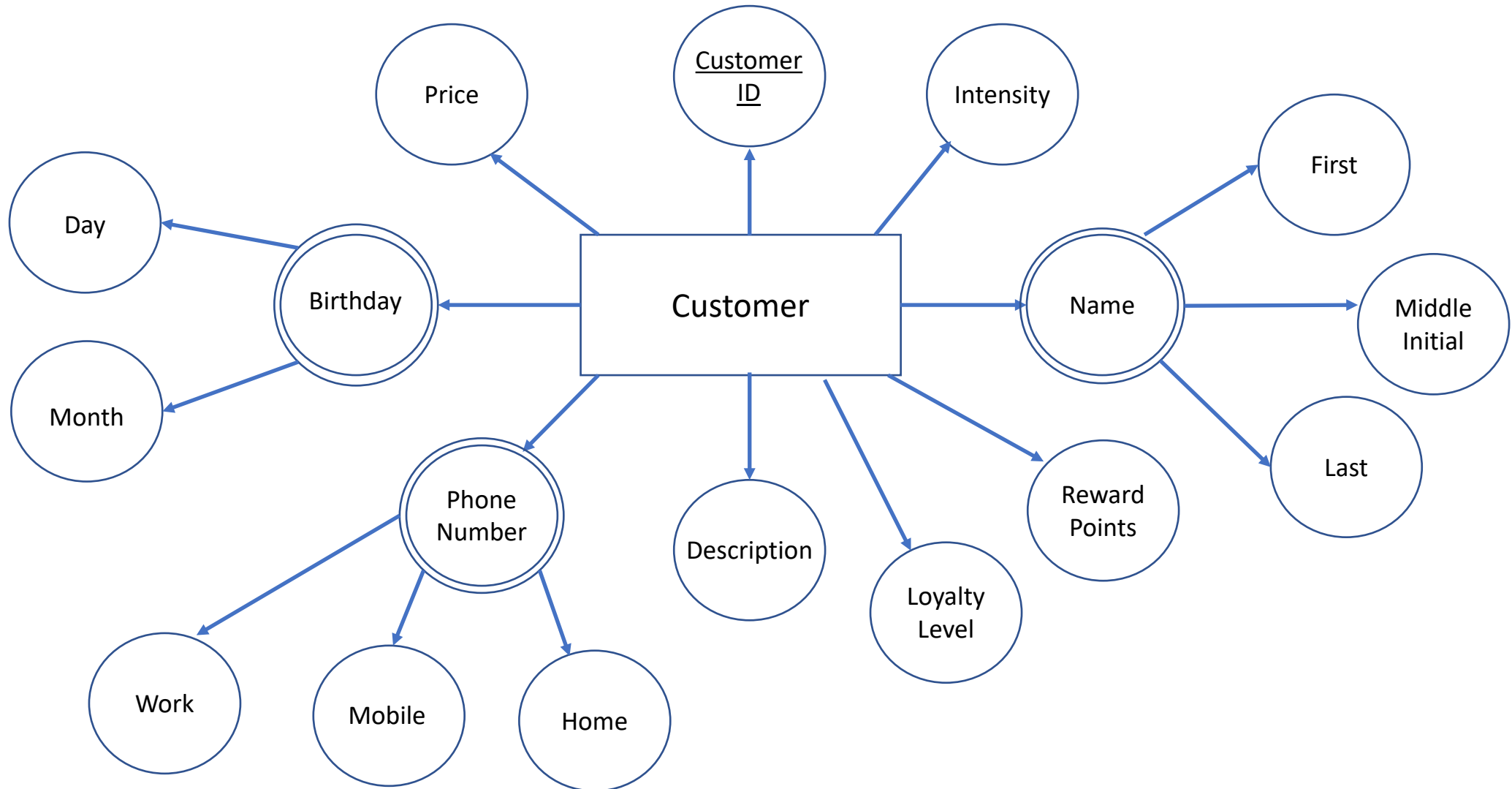
Detailed View Store



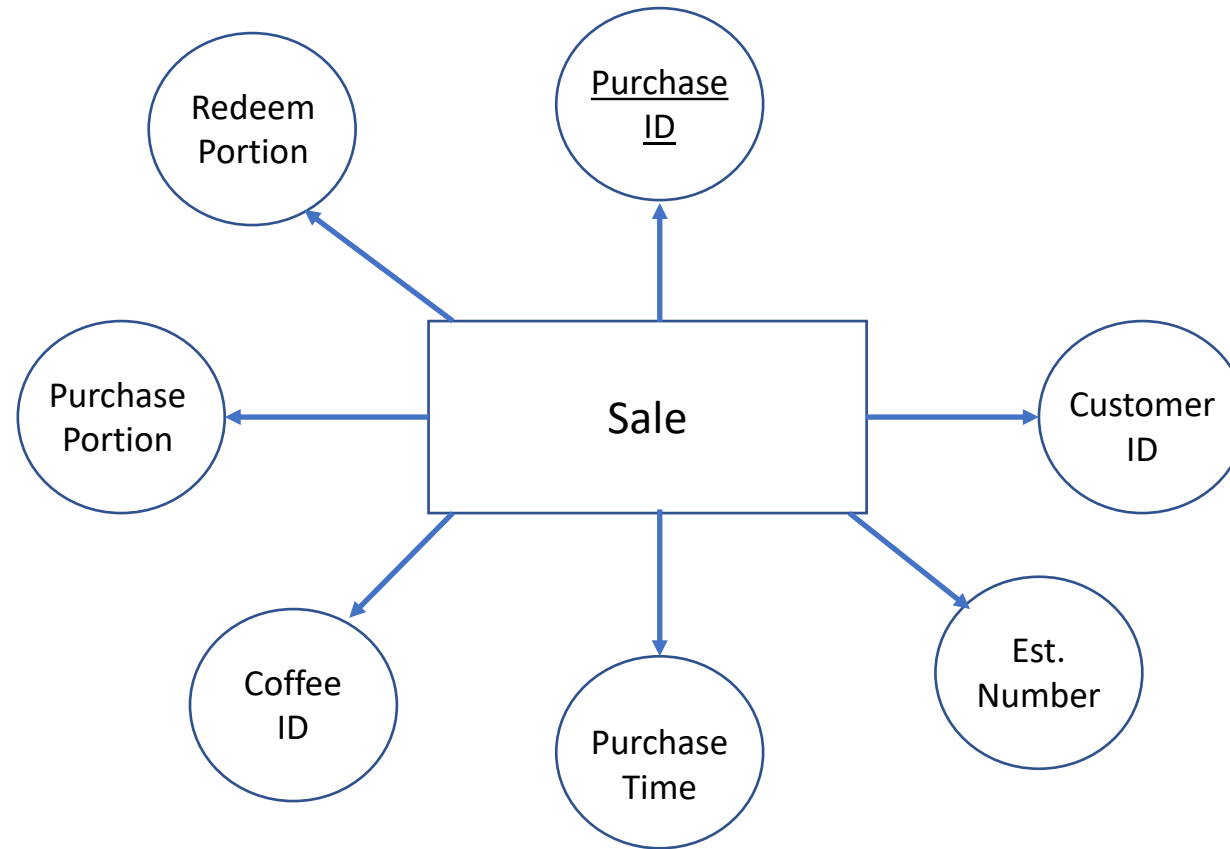
Detailed View Coffee



Detailed View Customer



Detailed View Sale



Detailed View Promotion

