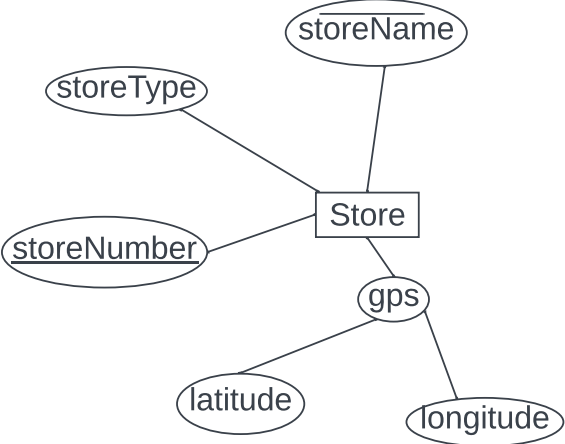
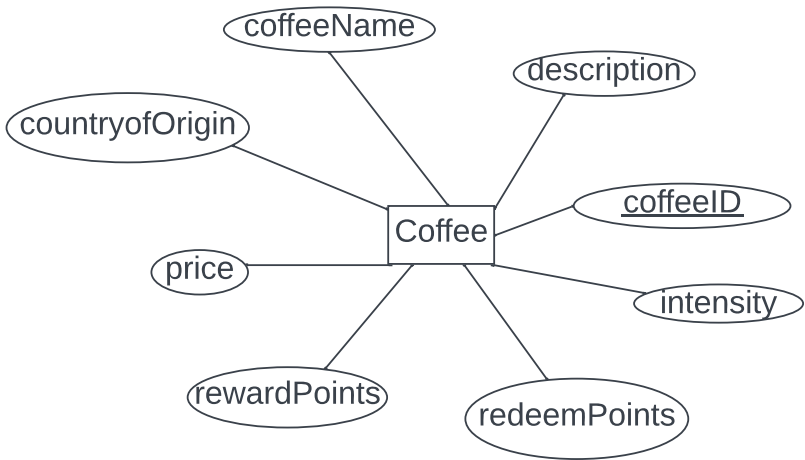
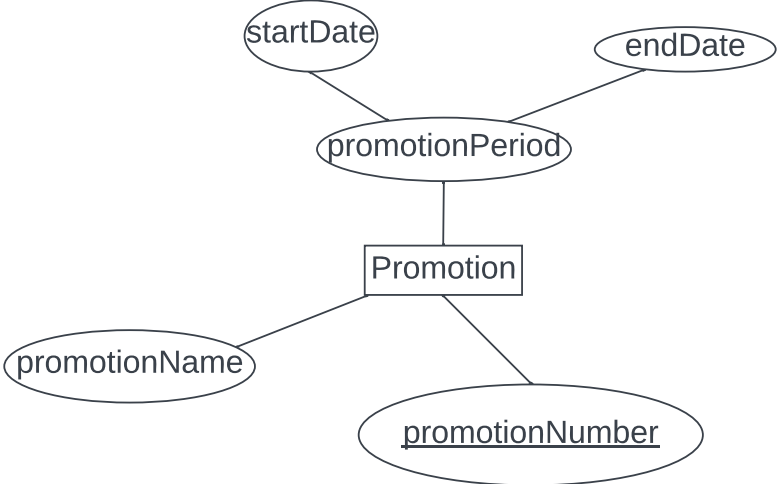
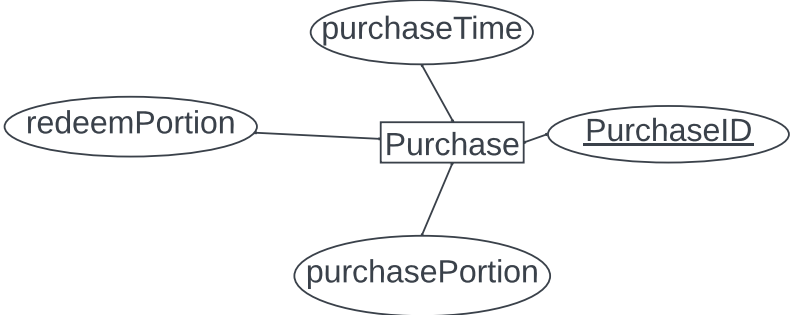
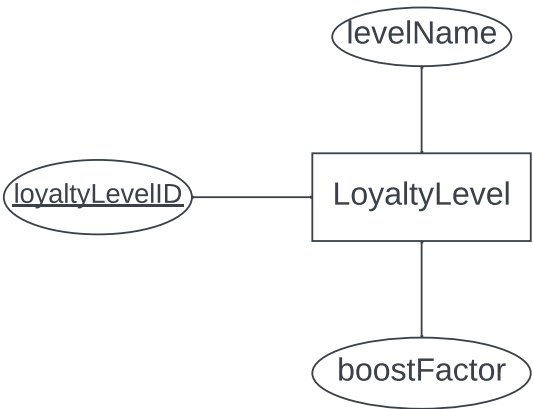
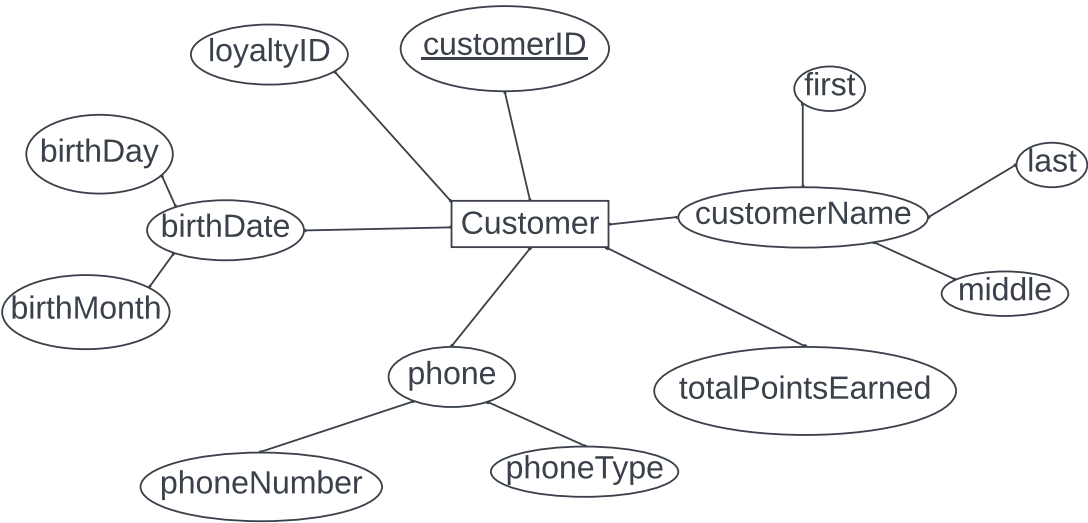


CS1555
Boutique Coffee Project
Phase 1

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- Breanna Burns
- Uday Atragada



- Assumptions:
- Coffee prices must be greater than zero.
 - Although customers can have any of the specified phone types, only one phone number and type will be recorded in the database.
 - A customer can make many purchases.
 - There can be only one customer per purchase.
 - A given purchase can occur only at one store.
 - There can only be one type of coffee per purchase.
 - Any coffee be in any number of purchases.
 - A store can offer many different coffees.
 - A given coffee type can be in many stores.
 - A given promotion can occur at many stores.
 - A given store can have many promotions.
 - A promotion can feature many different cofees.
 - A coffee can be in many different promotions.

TEXTUAL ER

Entities:

- Customer: customerID, customerName(first, last, middle), birthDate(birthDay, birthMonth), phone(phoneNumber, phoneType), totalPointsEarned, loyaltyID
- Coffee: coffeeID, coffeeName, description, countryOfOrigin, intensity, price, rewardPoints, redeemPoints
- Store: storeNumber, storeName, storeType, gps(latitude, longitude)
- Promotion: promotionNumber, promotionName, promotionPeriod(startDate, endDate)
- LoyaltyLevel: loyaltyLevelID, levelName, boostFactor
- Purchase: purchaseID, purchaseTime, redeemPortion, purchasePortion

Relationships:

- isMember: <LoyaltyLevel, Customer>, m:1, TOTAL/PARTIAL
- buysFrom: <Purchase, Store>, m:1, TOTAL/PARTIAL
- buysCoffee: <Purchase, Customer, Coffee>, m:1:1, TOTAL/PARTIAL/PARTIAL
- offersCoffee: <Store, Coffee>, n:m, PARTIAL/PARTIAL
- hasPromotion: <Store, Promotion>, m:n, PARTIAL/TOTAL
- promotionFor: <Promotion, Coffee>, n:m, TOTAL/PARTIAL