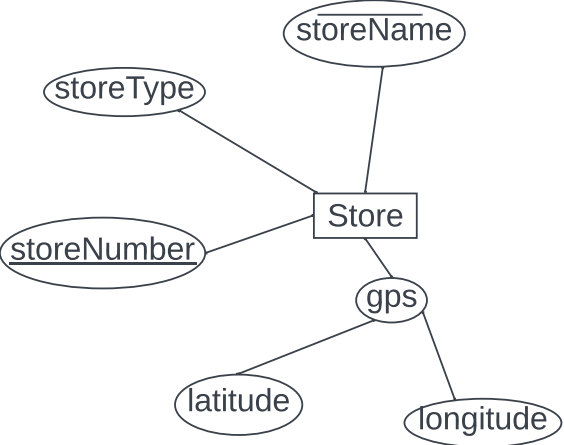
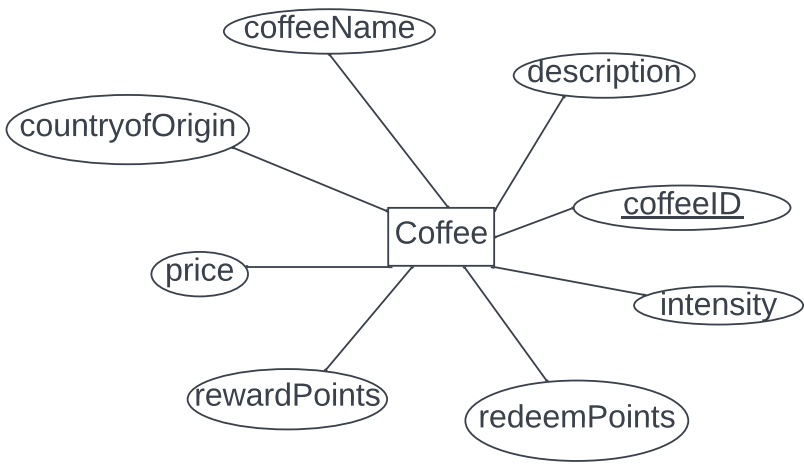
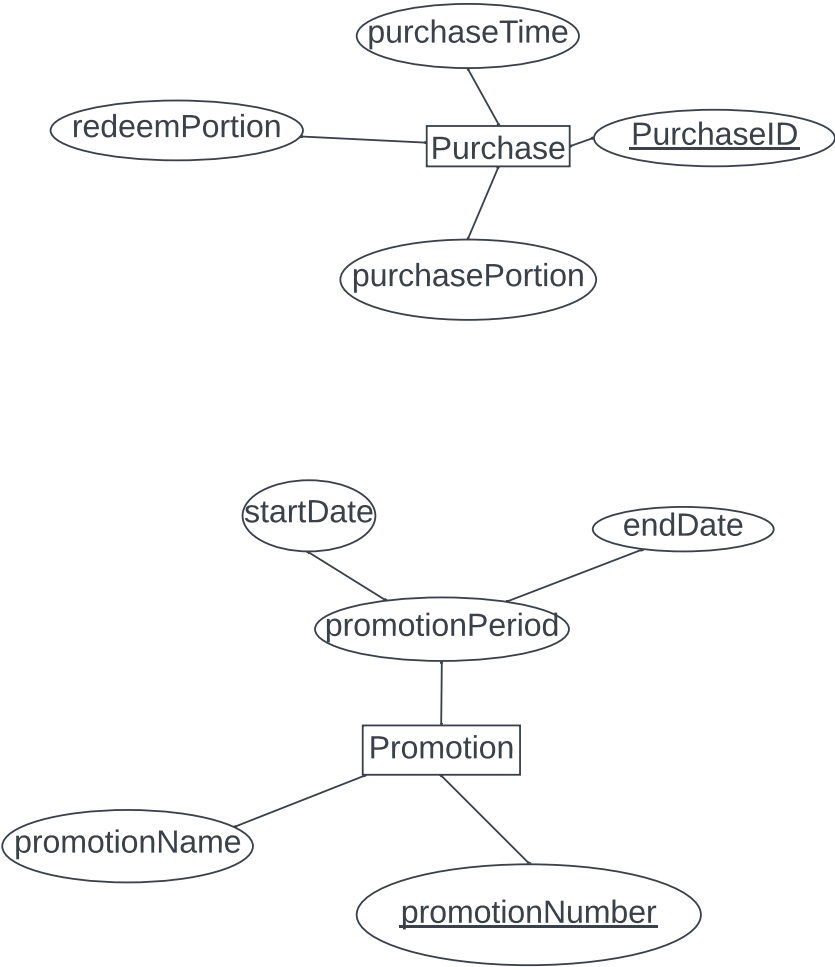
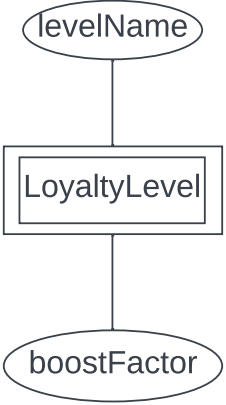
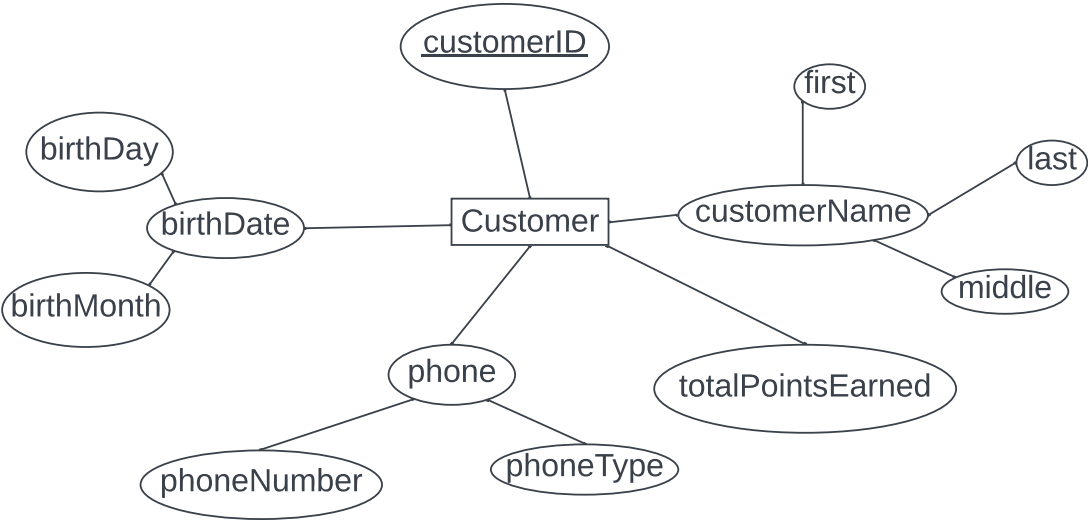


To improve readability, only key attributes are specified here, the other attributes are included in the diagram on the next page

CS1555
Boutique Coffee Project
Phase 1

- Brian Hutton
- 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
- Coffee: coffeeID, coffeeName, description, countryOfOrigin, intensity, price, rewardPoints, redeemPoints
- Store: storeNumber, storeName, storeType, gps(latitude, longitude)
- Promotion: promotionNumber, promotionName, promotionPeriod(startDate, endDate)
- LoyaltyLevel: levelName, boostFactor
- Purchase: purchaseID, purchaseTime, redeemPortion, purchasePortion

Relationships:

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