Deep Dish Data Pizza ERD
Week 3 Project Deliverable
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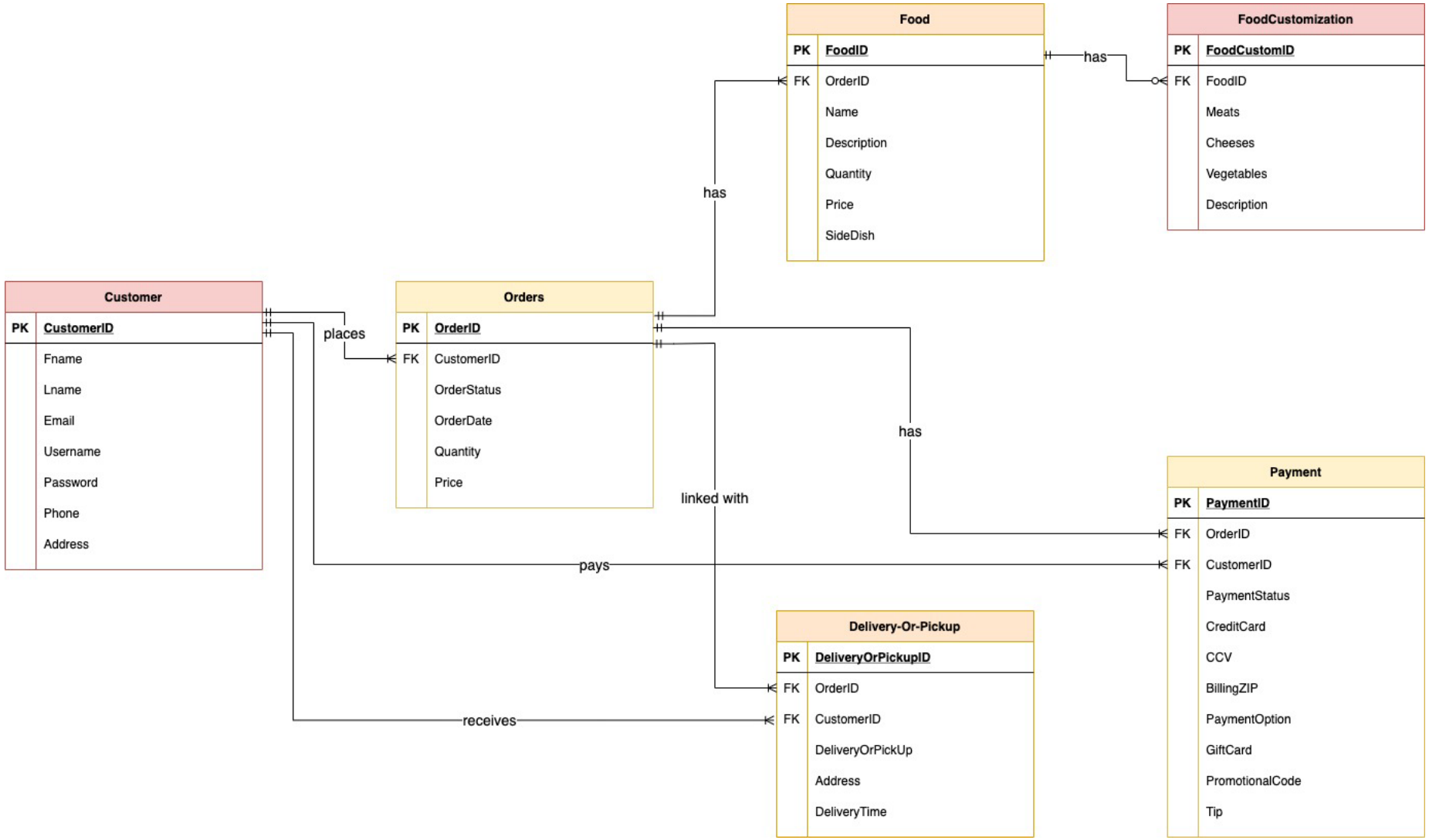
ANA 650



Assumptions

- Customer to Orders (1:M). Customer must place a minimum of 1 or multiple orders. Each order is associated with each customer. Both are mandatory relationships.
- Orders to Food (1:M). An order must have a minimum of 1 or multiple food items. Each food item is associated with each order. Both are mandatory relationships.
- Food to FoodCustomization (1:M). Food items do not need to be customized, but they have the option to have many customization items (optional relationship). Each food customization is associated with each food item (mandatory relationship).
- Orders to Payment (1:M). Orders are associated with a minimum of 1 or many payments. Each payment is associated with 1 order. Both are mandatory relationships.
- Orders to Delivery-Or-Pickup Food (1:M). Orders is associated with 1 or many delivery/pickups. Each delivery or pickup is linked with 1 order. Both are mandatory relationships.
- Customer to Payment (1:M). Customers must make a minimum of 1 or many payments for each order. Each payment is associated with 1 customer. Both are mandatory relationships.
- Customer to Delivery-Or-Pickup (1:M). Since customers can have 1 or many orders, they can also have 1 or many delivery/pickups. Each delivery/pickup is associated with 1 customer. Both are mandatory relationships.

Example Queries Used In This Database

- Retrieve the first and last name of customers that paid over $20 for their order
  SELECT Customer.Fname, Customer.Lname, Orders.Price
  FROM Customer, Orders
  WHERE Orders.Price>20;

- Retrieve the all order information from August 4, 2020
  *SELECT **
  FROM Orders
  WHERE OrderDate="2020-08-04";

- Retrieve the average food price on March 18, 2018
  SELECT AVG(Food.Price) AVG_FOOD_PRICE, OrderDate
  FROM Food, Orders
  WHERE OrderDate="2018-03-18";