

For the final project, we will expand on the assignment we did for the pizza franchise called Papa Tony's. Create specified classes with following requirements.

Class PizzaOrder

- Ability to add/remove pizza(s)
 - An order can have more than one pizza.
- Ability to specify the store for which the order is made
- Ability to apply special promotion code
- Ability to check the order status
 - Possible statuses are ORDER_CREATED, ORDER_CANCELED, ORDER_READY, ORDER_ON_DELIVERY, ORDER_COMPLETE
- Has customer information

Class Pizza

- Ability to specify toppings
 - Ability to add/remove toppings
- Ability to specify price
- Ability to specify crust type (thin/thick)

Class Store

- Ability to hold a list of employees
 - Ability to add/remove employees
- Needs to have address including zip code
- Needs to have phone number
- Needs to be able to show monthly pizza sales

Class Employee

- Has first name, last name

Class Customer

- Has first name, last name, phone number, zip code, frequent mileage number

Note:

- You need to be able to sort PizzaOrder by order date and total order amount
- You need to be able to search PizzaOrder by customer
- You need to be able to search PizzaOrder by order date
- You need to be able to pull a list of PizzaOrder prior to a certain date in sorted order by date
- You need to be able to pull a list of PizzaOrder after a certain date in sorted order by date
- A customer must be able to find one of your stores in the same zip code
- For searching and sorting above, explain time/space computation complexity using Big O Notation.

- You are allowed to add any private attributes (properties/variables) and methods as necessary
- Submit your work by sharing link to your Google Colaboratory notebook