 **Customer (Superclass)**

* Attributes:
  + firstName: str
  + lastName: str
  + balance: float
  + address: str
  + orderHistory: List[Order]
* Methods:
  + \_\_init\_\_(self, firstName: str, lastName: str, balance: float, address: str)
  + fullName(self) -> str
  + placeOrder(self, order: Order) -> None
  + viewOrderHistory(self) -> List[Order]

 **PrivateCustomer (Subclass of Customer)**

* Attributes:
  + Inherits all attributes from Customer
* Methods:
  + \_\_init\_\_(self, firstName: str, lastName: str, balance: float, address: str)
  + canPlaceOrder(self) -> bool (check if balance <= $100)

 **CorporateCustomer (Subclass of Customer)**

* Attributes:
  + creditLimit: float
* Methods:
  + \_\_init\_\_(self, firstName: str, lastName: str, balance: float, address: str, creditLimit: float)
  + canPlaceOrder(self) -> bool (check if balance >= credit limit)
  + getDiscount(self) -> float (return 10% discount)

 **Order**

* Attributes:
  + orderId: int
  + customer: Customer
  + items: List[Item]
  + delivery: bool
  + paymentMethod: str
  + status: str
* Methods:
  + \_\_init\_\_(self, orderId: int, customer: Customer, items: List[Item], delivery: bool, paymentMethod: str)
  + addItem(self, item: Item) -> None
  + calculateTotal(self) -> float
  + processPayment(self) -> bool

 **Item**

* Attributes:
  + name: str
  + price: float
  + quantity: int
* Methods:
  + \_\_init\_\_(self, name: str, price: float, quantity: int)
  + calculateItemTotal(self) -> float

 **PremadeBox (Subclass of Item)**

* Attributes:
  + size: str (small, medium, large)
* Methods:
  + \_\_init\_\_(self, name: str, price: float, quantity: int, size: str)
  + customizeBox(self, customItems: List[Item]) -> None