Item
-itemID:int
-name:String
-type:enum
-cost:float

+Item
+getters & setters
+addItem:void
+deleteItem:void
+updateItem:void

EmployeeInfo
-employeeID:int
-SSN:int
-contact:int
-address:String
-firstName:String
-lastName:String
-salary:float
-hours:float
-password:String

+EmployeeInfo
+getters & setters
+calculateSalary

Employee
-employeeInfo:EmployeeInfo

+Employee
+addEmployee:void
+editEmployee:void
+deleteEmployee:void
+getInfo:EmployeeInfo

1..*
1
1
1
1

Inventory
-itemID:int
-name:String
-type:enum

+Inventory
+getters & setters
+addItem:void
+deleteItem:void
+updateItem:void

1...*

Table
-tableID:int
-employeeID:int
-status:enum
-waitTime:TimeStamp
-orderID:int

+Table
+getters & setters
+changeTableStatus:void

1
1
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1

OrderInfo
-tableID:int
-orderID:int
-employeeID:int
-bill:float

+OrderInfo
+getters & setters
+calculateBill:float

CustomerInfo
-customerID:int
-orderHistory:List<Order>
-contact:int
-address:String
-firstName:String
-lastName:String
-credits:int
-email:String
-password:String

+CustomerInfo
+getters & setters

1...*
1
1

Customer
-customerInfo:CustomerInfo

+Customer
+addCustomer:void
+editCustomer:void
+deleteCustomer:void
+getInfo:EmployeeInfo

Order
-orderInfo:OrderInfo

+Order
+getOrderInfo:OrderInfo
+placeOrder:void
+updateOrder:void
+cancelOrder:void

1
1...*
1
1

NEXT PAGE

Which classes belong to which components of architecture diagram

Ordering Tier:
- Order
- OrderInfo
- Customer
- CustomerInfo
- Inventory
- Item

Ordering tier handles all the ordering from the customer. So, it makes sense for it to keep track of customer history, actual orders placed, and the inventory

Employee Management:
- Employee
- EmployeeInfo

Employee Management handles payroll, hours, and other general managing tasks. Therefore, it makes sense for Employee and Employee profile to be managed here.

Table Tier
- Table

This handles the table status through the pipe and filter technique, so the table class belongs in this tier.