



project

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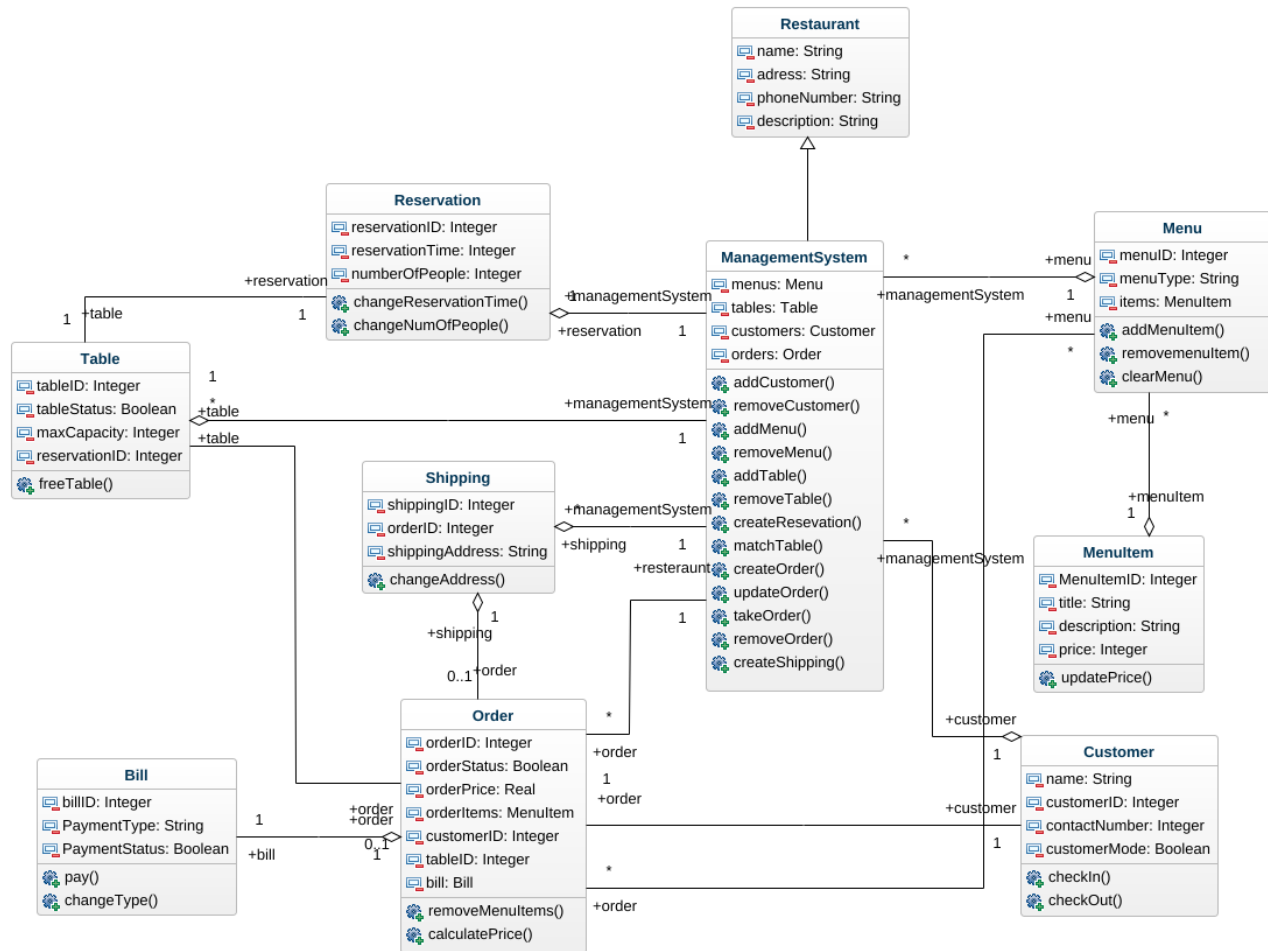
IRMS - Interactive Restaurant Management System

Author: Netanel Dahan

Location: Ashdod, Israel

Language: Python

project (Model)



class-diagram

1. Bill (Class)

In project

Attributes
billID : Integer [1]
PaymentType : String [1]
PaymentStatus : Boolean [1]
Operations
pay
changeType

Associations
Order_Bill - order : Order [1] - see definition

2. Customer (Class)

In project

Attributes
name : <i>String</i> [1]
customerID : <i>Integer</i> [1]
contactNumber : <i>Integer</i> [1]
customerMode : <i>Boolean</i> [1]
Operations
checkIn
checkOut
Associations
Customer_Customer - customer : Shipping [0..1] - see definition
Customer_Order - order : Order [1] - see definition
Customer_ManagementSystem - managementSystem : ManagementSystem [*] - see definition

3. ManagementSystem (Class)

In project

Extends

- Restaurant - see [definition](#)

Attributes
menus : <i>Menu</i> [1]
tables : <i>Table</i> [1]
customers : <i>Customer</i> [1]
orders : <i>Order</i> [1]
Operations
addCustomer
removeCustomer
addMenu
removeMenu

Attributes
addTable
removeTable
createResevation
matchTable
createOrder
updateOrder
takeOrder
removeOrder
createShipping
Associations
Resteraunt_Order - order : Order [*] - see definition
Reservation_ManagementSystem - reservation : Reservation [1] - see definition
Table_ManagementSystem - table : Table [*] - see definition
Shipping_ManagementSystem - shipping : Shipping [*] - see definition
Menu_ManagementSystem - menu : Menu [1] - see definition
Customer_ManagementSystem - customer : Customer [1] - see definition

4. Menu (Class)

In project

Attributes
menuID : <i>Integer</i> [1]
menuType : <i>String</i> [1]
items : <i>MenuItem</i> [1]
Operations
addMenuItem
removemenulitem
clearMenu
Associations
MenuItem_Menu - menuItem : MenuItem [1] - see definition
Menu_Order - order : Order [*] - see definition
Menu_ManagementSystem - managementSystem : ManagementSystem [*] - see definition

5. MenuItem (Class)

In project

Attributes
MenuItemID : <i>Integer</i> [1]
title : <i>String</i> [1]
description : <i>String</i> [1]
price : <i>Integer</i> [1]
Operations
updatePrice
Associations
MenuItem_Menu - menu : Menu [*] - see definition

6. Order (Class)

In project

Attributes
orderId : <i>Integer</i> [1]
orderStatus : <i>Boolean</i> [1]
orderPrice : <i>Real</i> [1]
orderItems : <i>MenuItem</i> [1]
customerID : <i>Integer</i> [1]
tableID : <i>Integer</i> [1]
bill : <i>Bill</i> [1]
Operations
removeMenuItems
calculatePrice
Associations
Menu_Order - menu : Menu [*] - see definition
Resteraunt_Order - resteraunt : ManagementSystem [1] - see definition
Customer_Order - customer : Customer [1] - see definition
Shipping_Order - shipping : Shipping [1] - see definition
Order_Bill - bill : Bill [1] - see definition
Table_Order - table : Table [1] - see definition

7. Reservation (Class)

In project

Attributes
reservationID : <i>Integer</i> [1]
reservationTime : <i>Integer</i> [1]
numberOfPeople : <i>Integer</i> [1]
Operations
changeReservationTime
changeNumOfPeople
Associations
Reservation_ManagementSystem - managementSystem : ManagementSystem [1] - see definition
Reservation_Table - table : Table [1] - see definition

8. Restaurant (Class)

In project

Attributes
name : <i>String</i> [1]
adress : <i>String</i> [1]
phoneNumber : <i>String</i> [1]
description : <i>String</i> [1]

9. Shipping (Class)

In project

Attributes
shippingID : <i>Integer</i> [1]
orderID : <i>Integer</i> [1]
shippingAddress : <i>String</i> [1]
Operations
changeAddress
Associations
Shipping_ManagementSystem - managementSystem : ManagementSystem [1] - see definition
Customer_Customer - customer : Customer [0..1] - see definition

Attributes
Shipping_Order - order : Order [0..1] - see definition

10. Table (Class)

In project

Attributes
tableID : <i>Integer</i> [1]
tableStatus : <i>Boolean</i> [1]
maxCapacity : <i>Integer</i> [1]
reservationID : <i>Integer</i> [1]
Operations
freeTable
Associations
Table_Order - order : Order [0..1] - see definition
Reservation_Table - reservation : Reservation [1] - see definition
Table_ManagementSystem - managementSystem : ManagementSystem [1] - see definition