Flooring Mastery UML

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(in no particular order)

View

Main Menu(Display)
+ Display Orders
+ Add
+ Edit
+ Remove
+ Save
+ Quit

View
+ Display Available Products
+ Customer Name
+ State
+ Set Area
OrderEditAll

UserIO
+ print(String message): void
+ readInt(String prompt): int
+ readBigDecimal(String prompt): BigDecimal
+ readString(String prompt): String

Controller

Controller
public-void-run()
private-void- createOrder()
private-void- listOrders()
private-void- viewOrders()
private-void- removeOrder()
private-void- updateOrder()
private-void- saveO

controller.addorder
Order view.addorder();
Order serviceorder.addorder()

controller.displayorder
Date View.getdate();
Collection<orders> serviceorder.getorders(date);
void view.displayorders

controller.editorder
view.askfororder()
serviceorder.getorder()
view.newinfo()
serviceorder.updateorder()

controller.removeorder
view.askfororder();
serviceorder.delete();

save/quit
serviceorder.writetofile()

Services

Service order
private-map<orders>
private-loadFile()
private-writetofile()
public-void-createIOrder
public-List<Order> get all orders
public-Order getOrder
public-Order removeOrder
public-upDateOrder
private-void-ValidateOrder
private-getMax

Service tax
+ getTaxInfo: TaxInfo

Service product
+ getProductInfo: Product

DTO's
+ Order
+ Product
+ TaxInfo

Order
- CustomerNamr: String
- State: String
- TaxRate: BigDecimal
- ProductType: String
- Area: BigDecimal
- CostPerSquareFoot: BigDecimal
- LaborCostPerSquareFoot:
- MaterialCost: BigDecimal
- LaborCost: BigDecimal
- TaxTotal : BigDecimal
- Total: BigDecimal
- orderNumber: int

Product
- ProductType: String
- CostPerSquareFoot: BigDecimal
- LaborCostPerSquareFoot: BigDecimal

TaxInfo
- State: String
- TaxRate: BigDecimal

Data Access Objects

Dao order
public Hashmap<order#, order> LoadOrders()
public saveOrder(Hashmap<order#, order)
+ createOrder(int orderNumber, Order order)
+ getOrder(int orderNumber): Order
+ getAllOrders(): List<Order>
+ updateOrder(int orderNumber, Order order): Order
+ deleteOrder(int orderNumber, Order order): Order

Dao tax
public- tax-getTax(String state)

DAO product
public-product-getproduct(String product)

Data Persistance

order.txt

tax.txt

product.txt