Order

- orderNumber: Int
- customerName: String
- state: String
- taxRate: BigDecimal
- productType: String
- area: BigDecimal
- costPerSquareFoot: BigDe
- laborCostPerSquareFoot: E
- materialCost: BigDecimal
- laborCost: BigDecimal
- tax: BigDecimal
- total: BigDecimal

+ Getters + Setters
+ hashCode(): int
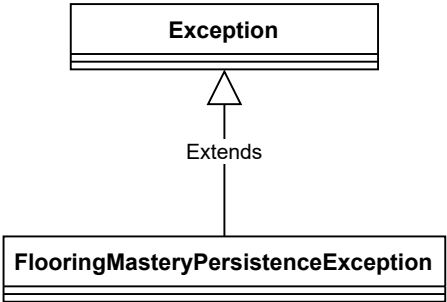+ equals(Object): boolean
+ toString(): String

Product

- productType: String
- costPerSquareFoot: BigDecimal
- laborCostPerSquareFoot: BigDecimal

+ Getters + Setters
+ hashCode(): int
+ equals(Object): boolean
+ toString(): String

Tax

- stateAbbr: String
- stateName: String
- taxRate: BigDecimal

+ Getters + Setters
+ hashCode(): int
+ equals(Object): boolean
+toString(): String

FlooringMasteryView

- io: UserIo

+ Constructor

+ printMenuAndGetSelection(): int
+ displayOrderListForDate(LocalDate): void
+ displayOrderListBanner(): void

+ displayOrder(Order): void

+ displayAddOrderBanner(): void
+ displayAddOrderSuccessBanner(): void
+ displayAvaiableProductsAndGetSelection(Map<String, BigDecimal>): void
+ displayAddedOrder(): void

+ getOrderDate(String): LocalDate
+ getOrderNumber(String): int
+ getCustomerName(): String
+ getStateAbbr(): String
+ getProductType(): String
+ getArea(): BigDecimal

+ displayEditOrderAndGetSelections(): void
+ displayEditSuccessBanner(): void
+ displayAndGetEditedCustomerName(Order): String
+ displayAndGetEditedState(Order): String
+ displayAndGetEditedProductType(Order): String
+ displayAndGetEditedArea(Order): BigDecimal
+ displayEditedOrder(Order): void
+ getEditedOrderConfirmation(): String
+ displayEditSuccessBanner(Order): void

+ displayRemoveOrderBanner(): void
+ getRemoveOrderConfirmateion(): void
+ displayRemoveOrderSucessBanner(Order): void

+ displayErrorMessage(String): void
+ displayExitBanner(): void

Exception

⊳ Extends

FlooringMasteryPersistenceException

<<Interface>>
FlooringMateryTaxDao

+ getAllTaxes(): List<Tax>
+ getTax(String): Tax

<<Interface>>
FlooringMasteryProductDao

+ getAllProducts(): List<Product>
+ getProduct(String): Product
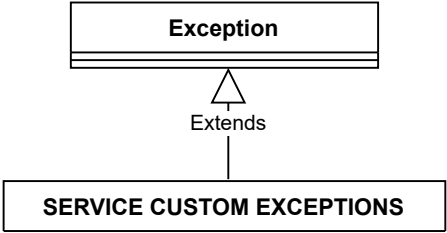
FlooringMasteryTaxDaoFileImpl

- taxes: Map<String,Tax>
- DELIMITER: String
- TAX_FILE: String

+ Overide Inherited Methods
- marshallTax(Tax): String
- unMarshallTax(Tax): Tax
- loadTaxes(String): void

FlooringMasteryProductDaoFileImpl

- products: Map<String, Product>
- DELIMITER: String
- TAX_FILE: String

+ Overide Inherited Methods
- marshallProduct(Prodcut): String
- unMarshallProduct(Product): Product
- loadProduct(String): void

UserIOConsoleImpl

«interface»
UserIO

Exception

△
|
Extends

SERVICE CUSTOM EXCEPTIONS

FlooringMasteryServiceLayerImpl

+ field: type

+ method(type): type

«interface»
FlooringMasteryServiceLayer

calculateMaterialCost(BigDecimal, BigDecimal): BigDecimal
calculateLaborCost(BIgDecimal, BigDecimal): BigDecimal
calculateTax(BigDecimal, BigDecimal, BigDecimal): int
calculateTotal(BigDecimal, BigDecimal, int): BigDecimal

createOrderFileFromDate(LocalDate): String
checkOrderFileExist(LocalDate): void

getAllOrders(String): List<Order>
getOrderList(LocalDate): List<Order>

checkDateIsInFuture(LocalDate): LocalDate
validCustomerName(String): void
checkStateAgainstTaxFile(String): void

getAllProducts(String): List<Product>
checkProductTypeAgainstProductFile((Sting): void

checkAreaIsOverMinimum(BigDecimal): void

MORE METHODS - COME BACK AND FILL IN

<<Interface>>
FlooringMasteryOrderDao

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getOrderForDate(String): List<Order>
getOrder(String, int): Order
addOrderToExistingFile(String, int, Order): Order
addOrderToNewFile(String, int, Order): Order
removeOrder(String, int): order
getAllOrderFiles(): String[]
editOrder(String,Order): Order
getExportDate(): Map<String,List<Order>>
writeExportData(): void
deleteOrderFile(String): void

FlooringMasterController

service: FlooringMasteryServiceLayer
view: FlooringMasteryView

+ run(): void
+ getMenuSelection(): void
+ listOrders(): void
+ addOrder(): void
+ editOrder(): void
+ removeOrder(): void
+ exportAllData(): void

+ unknownCommand(): void
+ exitMessage(): void

FlooringMasteryOrderDaoFileImpl

- orders: <String, Order>
- DELIMITER: String
- EXPORT_FILE: String

+ Overide Inherited Methods

- marshallOrder(Order): String
- unMarshallOrder(Order): Order
- loadOrders(String): void
- writeOrders(String): void
- writeDataExport(): void