Product

- name String
- costSqFt BigDecimal
- laborCostSqFt BigDecimal

+ Product ( )
+ Product (String name, BigDecimal costSqFt, BigDecimal laborCostSqFt)
+ getters/setters
+ hashCode ( )
+ toString ( )
+ equals ( )

UserIOConsoleImpl

- Scanner

+ print (String msg)
+ readDouble(String msgPrompt) double
+ readDouble (String msgPrompt, double min, double max) double
+ readFloat (String msgPrompt) float
+ readFloat (String msgPrompt, float min, float max) float
+ readInt (Int msgPrompt) Int
+ readInt (Int msgPrompt, Int min, Int max) Int
+ readLong (Long msgPrompt) Long
+ readLong (Long msgPrompt, Long min, Long max) Long

FlooringView

- io UserIO

+ unknownCommandBanner()
+ searchDate() LocalDate
+ savedMessage()
+ saveOrderChoice() int
+ removeOrderDate() LocalDate
+ removeOrder() int
+ printMenuGetSelection() int
+ orderRemoved()
+ noOrdersMessage()
+ noOrders()
+ getUserProductChoice(List<Product>) String
+ getOrderState(List<State>) String
+ getOrderNumber() int
+ getOrderDate() LocalDate
+ getOrderCustName() String
+ getArea() BigDecimal
+ exitSave() int
+ exitMessage()
+ errorMessage(String)
+ editOrderBanner()
+ editOrderState(Order, List<State>) String
+ editOrderProduct(Order, List<Product>) String
+ editOrderCustomer(Order) String
+ editOrderArea(Order) BigDecimal
+ editOrder()
+ editDate() LocalDate
+ displayStates(List<State>)
+ displaySearchResults(List<Order>)
+ displayProducts(List<Product>)
+ displayOrders() String
+ displayOrderNum(Integer)
+ displayOrder(Order)
+ cannotSave()
+ addOrderBanner()

Order

- orderNum int
- customerName String
- state String
- taxRate BigDecimal
- productType String
- area BigDecimal
- costSqFt BigDecimal
- laborCostSqFt BigDecimal
- materialCost BigDecimal
- laborCost BigDecimal
- taxCost BigDecimal
- totalCost BigDecimal
- date LocalDate

+ Order ( )
+ Order (all args)
+ Order (State state, Product product)
+ getters/setters
+ hashCode ( )
+ equals ( )
+ toString ( )

FlooringController

- FlooringServiceLayer service
- FlooringView view

+ run()
- unknownCommand()
- saveCurrentWork()
- addAnOrder()
- displayMenuGetSelection() int
- displayOrders()
- editAnOrder()
- exitMessage()
- exitProgram()
- removeAnOrder()

State

- stateAbv String
- name String
- taxRate BigDecimal

+ State( )
+ State (String stateAbv, String name, BigDecimal taxRate)
+ getters/setters
+ hashCode ( )
+ toString ( )
+ equals ( )

ProductDAOFileImpl

- PRODUCT_FILE String
+ DELIMITER String
- inventory Map <String, Product>

+ addProduct (Product aProduct) Product
+ getAProduct (String name) Product
+ getAllProducts ( ) List <Product>
+ updateProduct (String name, Product changedProduct)
+ removeAProduct (String name) Product
+ loadAllProducts ( )
+ saveAllProducts ( )
+ marshallProduct (Product aProduct) String
+ unmarshallProduct (String productAsText) Product

FlooringServiceLayerFileImpl

- FlooringModeDao modeDao
- FlooringOrderDao orderDao
- FlooringProductDao productDao
- FlooringStateDao stateDao
- List<Product> productsFromDao
- List<Order> ordersFromDao

+ addOrder(Order)
+ calculateCosts(String, BigDecimal, String) Order
+ checkAppMode() String
+ createOrderNumber(Order) Integer
+ editAnOrder(Order, String, String, String, BigDecimal) Order
+ getAllProducts() List<Product>
+ getAllStates() List<State>
+ getOrder(LocalDate, Integer) Order
+ getProduct(String) Product
+ loadProgram()
+ saveChanges()
+ removeOrder(Integer)
+ searchOrders(LocalDate) List<Order>

Mode

- appSettings String
- mode String

+ Mode( )
+ Mode (String appSettings, String mode)
+ getters/setters
+ hashCode ( )
+ toString ( )
+ equals ( )

StateDAOFileImpl

-STATE_FILE String
+ DELIMITER String
- states Map <String, State>

+ addState(State aState) State
+ getAState (String stateAbv) State
+ getAllStates ( ) List <State>
+ updateState (String stateAbv, State changedState)
+ removeAState(String stateAbv) State
+ loadAllStates ( )
+ saveAllStates ( )
+ marshallState (State a State) String
+ unmarshallState(String stateAsText) State

OrderDAOFileImpl

- ORDER_FOLDER String
+ DELIMITER String
- orders Map <Integer, Order>

+ addOrder (Order anOrder) Order
+ getAnOrder (Int orderNum) Order
+ getAllOrders ( ) List <Order>
+ updateOrder (Int orderNum, Order changedOrder)
+ removeAnOrder(Int orderNum) Order
+ loadAllOrders ( )
+ saveAllOrders ( )
+ marshallOrder (Order anOrder) String
+ unmarshallOrder(String orderAsText) Order

Exception

NoSuchOrderException

+ NoSuchOrderException (String message)
+ NoSuchOrderException (String message, Throwable Cause)

Extends

OrderDAOFileImpl

- MODE_FILE String
+ DELIMITER String
- modes Map <String, Mode>

+ getMode ( ) List <Order>
+ loadMode ( )
+ unmarshallMode(String modeAsText) Mode

FlooringPersistenceException

+ FlooringPersistenceException (String message)
+ FlooringPersistenceException (String message, Throwable Cause)

Extends