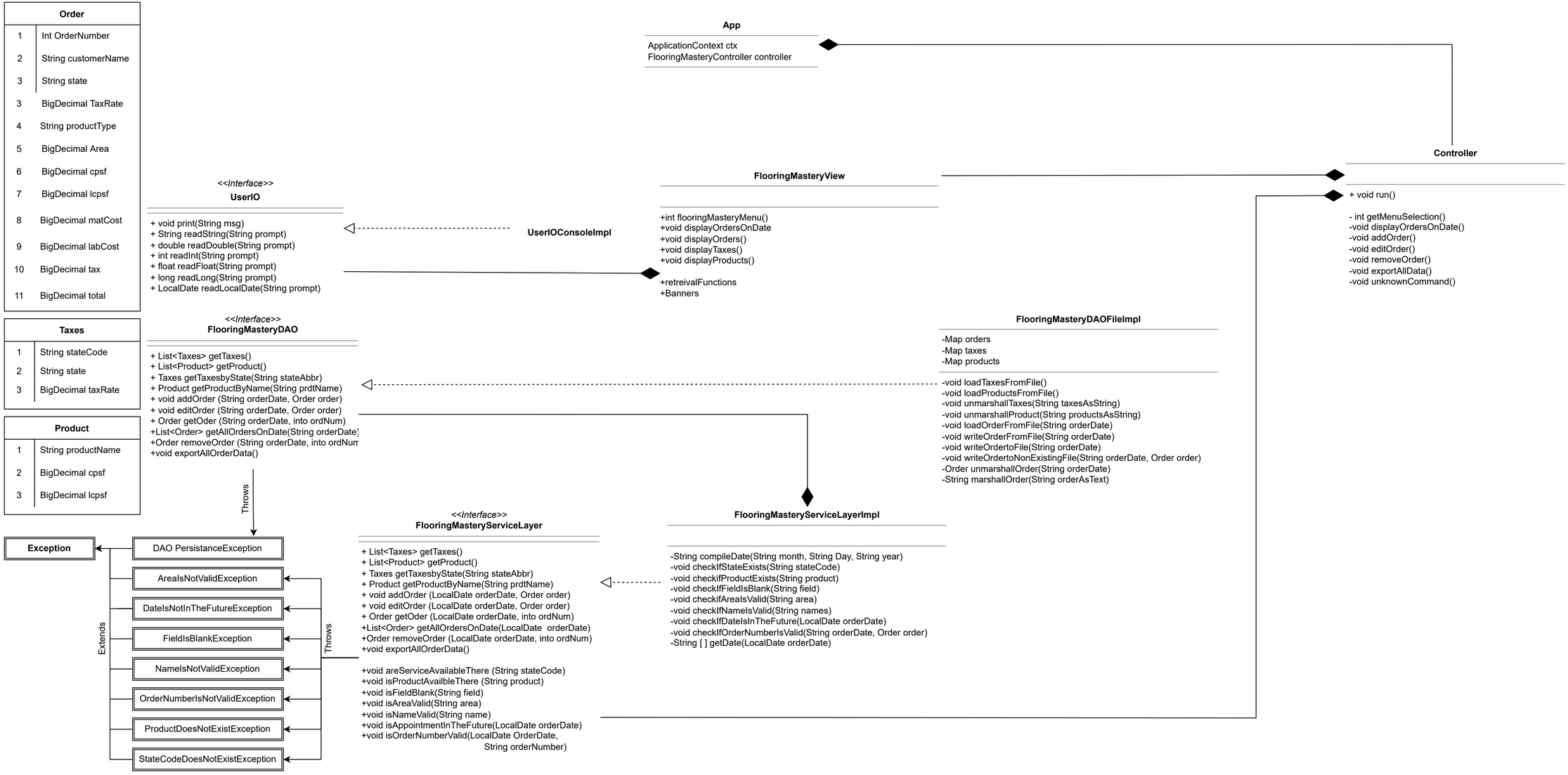
Order
1 Int OrderNumber
2 String customerName
3 String state
3 BigDecimal TaxRate
4 String productType
5 BigDecimal Area
6 BigDecimal cpsf
7 BigDecimal lcpsf
8 BigDecimal matCost
9 BigDecimal labCost
10 BigDecimal tax
11 BigDecimal total
Taxes
1 String stateCode
2 String state
3 BigDecimal taxRate
Product
1 String productName
2 BigDecimal cpsf
3 BigDecimal lcpsf
App
ApplicationContext ctx
FlooringMasteryController controller
Controller
+ void run()
- int getMenuSelection()
-void displayOrdersOnDate()
-void addOrder()
-void editOrder()
-void removeOrder()
-void exportAllData()
-void unknownCommand()
FlooringMasteryView
+int flooringMasteryMenu()
+void displayOrdersOnDate
+void displayOrders()
+void displayTaxes()
+void displayProducts()
+retreivalFunctions
+Banners
<<Interface>>
UserIO
+ void print(String msg)
+ String readString(String prompt)
+ double readDouble(String prompt)
+ int readInt(String prompt)
+ float readFloat(String prompt)
+ long readLong(String prompt)
+ LocalDate readLocalDate(String prompt)
UserIOConsoleImpl
<<Interface>>
FlooringMasteryDAO
+ List<Taxes> getTaxes()
+ List<Product> getProduct()
+ Taxes getTaxesbyState(String stateAbbr)
+ Product getProductByName(String prdtName)
+ void addOrder (String orderDate, Order order)
+ void editOrder (String orderDate, Order order)
+ Order getOder (String orderDate, into ordNum)
+List<Order> getAllOrdersOnDate(String orderDate)
+Order removeOrder (String orderDate, into ordNum)
+void exportAllOrderData()
FlooringMasteryDAOFileImpl
-Map orders
-Map taxes
-Map products
-void loadTaxesFromFile()
-void loadProductsFromFile()
-void unmarshallTaxes(String taxesAsString)
-void unmarshallProduct(String productsAsString)
-void loadOrderFromFile(String orderDate)
-void writeOrderFromFile(String orderDate)
-void writeOrdertoFile(String orderDate)
-void writeOrdertoNonExistingFile(String orderDate, Order order)
-Order unmarshallOrder(String orderDate)
-String marshallOrder(String orderAsText)
Throws
<<Interface>>
FlooringMasteryServiceLayer
+ List<Taxes> getTaxes()
+ List<Product> getProduct()
+ Taxes getTaxesbyState(String stateAbbr)
+ Product getProductByName(String prdtName)
+ void addOrder (LocalDate orderDate, Order order)
+ void editOrder (LocalDate orderDate, Order order)
+ Order getOder (LocalDate orderDate, into ordNum)
+List<Order> getAllOrdersOnDate(LocalDate orderDate)
+Order removeOrder (LocalDate orderDate, into ordNum)
+void exportAllOrderData()
+void areServiceAvailableThere (String stateCode)
+void isProductAvailbleThere (String product)
+void isFieldBlank(String field)
+void isAreaValid(String area)
+void isNameValid(String name)
+void isAppointmentInTheFuture(LocalDate orderDate)
+void isOrderNumberValid(LocalDate OrderDate,
String orderNumber)
FlooringMasteryServiceLayerImpl
-String compileDate(String month, String Day, String year)
-void checkIfStateExists(String stateCode)
-void checkifProductExists(String product)
-void checkIfFieldIsBlank(String field)
-void checkifAreaIsValid(String area)
-void checkIfNameIsValid(String names)
-void checkIfDateIsInTheFuture(LocalDate orderDate)
-void checkIfOrderNumberIsValid(String orderDate, Order order)
-String [ ] getDate(LocalDate orderDate)
Throws
Exception
Extends
DAO PersistanceException
AreaIsNotValidException
DateIsNotInTheFutureException
FieldIsBlankException
NameIsNotValidException
OrderNumberIsNotValidException
ProductDoesNotExistException
StateCodeDoesNotExistException