Class: ServerDataAdapater

isAtLeastOneManagerInDatabaseRun()

isAtLeastTwoManagerInDatabase

isAtLeastOneProductInDatabase()

savePhoto()

loadPhoto()

writeUser()

getLastOrderID()

saveProduct()

Class: DataServer

Main()

Run()

Class: Client Request

getCommand()

getData()

Class: Application

getInstance()

Class: DataAdapter

getProduct(id)

getUser(id)

getOrder(id)

saveOrder(order)

saveProduct(product)

saveUser(user)

Class: UserProxy

getImage()

1

1

1

1

1

Class: HTMLReceipt

getSubTotal()

setSubToal()

getTotalTax()

setTotalTax ()

printReceipt()

getStoreName()

setStoreName()

getOlines()

setOlines()

getDate()

setDate()

getFarewellMessage()

setFarewellMessage()

\*

1

Class: ReceiptBuilder

getOrder()

setOrder()

generateTextReceipt()

generateHTMLReceipt()

\*

Class: OrderLine

int OrderID

int totalTaxForLine

int totalCostForLine

int ProductIDForLine

Notes: model Class

1

1

Class: TextReceipt

getSubtotal()

setSubTotal()

getTotalTax()

setTotalTax()

printReceipt()

getStoreName()

setStoreName()

getOlines()

setOlines()

getDate()

setDate()

getFarewellMessage()

setFarewellMessage()

1

1

Class: Order

OrderLine[] lines

double orderTotal

double orderTax

Notes: model Class

1

1

1

Class: Profile Controller

ActionPerformed(AcionEvent)

loadPicture()

Class: Profile View

JFrame inherited GUI Methods

Notes: displays edit window for profile information.

Class: LoginView

JFrame inherited GUI Methods

Notes: displays prompt for username and password.

1

1

1

1

1

1

\*

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

Class: ClerkController

ActionPerformed(AcionEvent)

* handles button clicks

Notes: no model is needed as this is a simple console window that is an intermediate for other views and handles no data

.

Class: ClerkView

JFrame inherited GUI Methods

Notes: displays a simple console for opening other views.

Class: User

int UserID

String picturePath

String hashedPwd

String salt

String name

boolean isManager

Notes: model Class

Class: Product

String productName

int prodcutID

double price

double taxRate

double quantity

Notes: model Class

Class: ManagerController

ActionPerformed(AcionEvent)

* handles button clicks

Notes: no model is needed as this is a simple console window that is an intermediate for other views and handles no data

Class: ManagerView

JFrame inherited GUI Methods

Notes: displays a simple console for opening other views.

Class: BusinessReportController

ActionPerformed(AcionEvent)

updateDateRange(startDate, endDate)

updateView()

Class: BuisnessReportView

JFrame inherited GUI Methods

Notes: displays orders and statistics on products sold.

Class: PaymentView

JFrame inherited GUI Methods

Notes: displays screen for adding tender and paying for items.

Class: Payment Controller

ActionPerformed(AcionEvent)

BigDecimal amountRemaining

addTender(amount)

Class: Checkout Controller

ActionPerformed(AcionEvent)

Pay()

addProduct(productid)

updateView()

Class: CheckoutView

JFrame inherited GUI Methods

Notes: displays window with options to add products to order, cancel order, and pay. also, shows current items, total, and subtotal

Class: ProductController

ActionPerformed(AcionEvent)

loadProduct(productID)

saveProduct(Product)

updateView()

Class: UserView

JFrame inherited GUI Methods

Notes: displays edit window for users.

Class: User Controller

ActionPerformed(AcionEvent)

loadUser(userID)

saveUser(User)

updateView()

Class: ProductView

JFrame inherited GUI Methods

Notes: displays edit window for products.

Class: Login Controller

ActionPerformed(AcionEvent)

authenticateUser(userID, pwd)

Class: BusinessReport

addLIne()

getTotalQuantity()

setTotalQuantity()

getTotalRevenue()

setTotalRevenue()