Customer
- -customerID : int
- -name : string
- -address : string
- +getCustomerID() : int
- +setCusotmerID(customerID : int)
- +getName() : string
- +setName(name : string)
- +getAddress() : string
- +setAddress(address : string)
- +addToDatabase()

Employee
- -id : int
- -name : String
- -password : String
- -accessRights : short
- -imageInfo : String
- -image : ImageIcon
- +Employee(id, name, password accessRights imageInfo, image)
- +getID() : int
- +getName() : String
- +setName(name : String)
- +getPassword() : String
- +setPassword(password : String)
- +getAccessRights() : short
- +setAccessRights(accessRights : short)
- +getImageInfo() : String
- +getImage() : ImageIcon
- +setImage(imageInfo : String)

databaseAccess
- -prdouctList : ArrayList
- -orderList : ArrayList
- -customerList : ArrayList
- -employeeList : ArrayList
- -currentEmployee : Employee
- +updateProductList(product : Product)
- +updateProductQuantity(product : Product)
- +addProductToDatabase(product : Product)
- +getProductList() : ArrayList
- +getCustomerList() : ArrayList
- +addNewCustomer(customer : Customer)
- +getCustomerFromID(id : int) : Customer
- +getOrderList() : ArrayList
- +getOrderPromID(int : id) : Order
- +updateOrderList(order : Order)
- +updateOrderInfo(order : Order, info : String, totalCost : double)
- +deleteOrder(order : Order)
- +addOrderToDatabase(order : Order)
- +getEmployeeList() : ArrayList
- +getEmployeeByID(id : int) : Employee
- +addEmployee(employee : Employee)
- +updateEmployeeList(employee : Employee)
- +setCurrentEmployee(employee : Employee)
- +setEmployeeAccessRights(employee : Employee)
- +getEmployee() : Employee

Order
- -orderID : int
- -customer : Customer
- -paymentType : string
- -totalCost : double
- -deliveryMethod : string
- +getOrderID()
- +getTotalCost() : double
- +incrementTotalCost(value : double)
- +getPaymentType() : string
- +setPaymentType()
- +getDeliveryMethod() : string
- +setDeliveryMethod()
- +addToDatabase()

CreditCard
- -cardNumber : long
- -expirationDate : string
- -name : string
- +getCardNumber()
- +setCardNumber()
- +getExpirationDate()
- +setExpirationDate()
- +getName()
- +setName()

Product
- -name : string
- -barcodeNumber : long
- -availableUnits : int
- -price : double
- -providerName : string
- -providerInfo : string
- +getName() : string
- +getBarcode() : long
- +getAvailableUnits() : int
- +setAvailableUnits(units : int)
- +getPrice() : double
- +setPrice(price : double)
- +getProviderName() : string
- +setProviderName(name : string)
- +getProviderInfo() : string
- +setProviderInfo(info : string)
- +addToDatabase()
- +updateDatabase()
- +updateQuantity()

startUpScreen
- -employeePanel : JPanel
- -description : JTextArea
- -databaseConnection : databaseAccess
- +startUpScreen()
- +main(args : String [])

loginScreen
- -name : JTextField
- -pword : JPasswordField
- -login : JButton
- -invalidPasswordCount : int
- -cancel : JButton
- +LoginScreen(databaseAccess)

MainScreen
- -storeheader : JLabel
- -storeFooter : JLabel
- -checkout : JButton
- -inventory : JButton
- -returns : JButton
- -employees : JButton
- -logout : JButton
- -editMyInfo : JButton
- -buttonPanel : JPanel
- -buttonPanel2 : JPanel
- +MainScreen(databaseAccess)

manageEmployeeAccessRights
- -employeePanel : JPanel
- -description : JTextArea
- +manageEmployeeAccessRights(databaseConn...

EmployeeMainScreen
- -storeheader : JLabel
- -storeFooter : JLabel
- -checkout : JButton
- -returns : JButton
- -logout : JButton
- -editMyInfo : JButton
- +EmployeeMainScreen(databaseAccess)

InventoryScreen
- -frame : JFrame
- -storeLogo : JLabel
- -logo : ImageIcon
- -copyrightInfo : JLabel
- -productList : ArrayList
- -mainScreen : JButton
- -addProduct : JButton
- -manageExistingProducts : JButton
- -availability : JButton
- +InventoryScreen(databaseAccess)

ManageProductScreen
- -cancel : JButton
- -updateBtn : JButton
- -iPrice : TextField
- -iBarcode : TextField
- -iProviderInfo : TextField
- -iProviderName : TextField
- -temporary : Product

CheckoutScreen
- -frame : JFrame
- -storeLogo : JLabel
- -logo : ImageIcon
- -copyrightInfo : JLabel
- -addItem : JButton
- -removeItem : JButton
- -mainScreen : JButton
- -finishAndPay : JButton
- -orderDetails : JTextArea
- +CheckoutScreen(databaseAccess)
- +getCustomerFromID() : Customer
- +getPaymentMethod()
- +getCustomerType()
- +getDeliveryMethod() : string
- +printReceipt()
- +getTotalOrderCost()
- +printPaymentMethod()
- +checkValidCustID(int : id)

OrderHelper
- -productName : string
- -productPrice : double
- -quantity : int
- +getProductName() : string
- +setProductName(name : string)
- +getProductPrice() : double
- +setProductPrice(price : double)
- +getQuantity() : int
- +setQuantity(quantity : int)

ReturnScreen
- -orderDetails : JTextArea
- -orderHelperList : ArrayList
- -buttonPanel : JPanel
- -cancel : JButton
- -finishOrder : JButton
- -editOrder : JButton
- -order : Order
- -origianlOrderCost : double
- +ReturnScreen(databaseAccess)
- +getTotalOrderCost() : double
- +buildOrderInfo() : String
- +populateTextArea() : String
- +createOrderHelperList(order : Order)
- +checkValidName(String name) : bool
- +checkValidQuantity(item : OrderHelper, quantity : int) : bool

EditMyInfo
- -cancel : JButton
- -updateBtn : JButton
- -uName : TextField
- -uIcon : TextField
- -newPassword : JPasswordField
- -newPasswordReEntry : JPasswordField
- -nameLabel : JLabel
- -passwordLabel : JLabel
- -iconLabel : JLabel

ProductListScreen
- -textArea : JTextArea
- -returnBtn : JButton

RemoveProductScreen
- -removeItem : JButton
- -checkoutScreen : JButton
- -spinner : JSpinner
- -temporary : Product
- +isInInOrderList(name : string) : boolean

AddProductScreen
- -addItem : JButton
- -checkoutScreen : JButton
- -spinner : JSpinner
- -temporary : Product
- +contains(name : string) : boolean

AddNewProductScreen
- -iName : TextFiled
- -iPrice : TextField
- -iBarcode : TextField
- -iProviderInfo : TextField
- -iProviderName : TextField
- -cancel : JButton
- -addItem : JButton

Relationships:
- makes an
- has a
- contains
- creates
- instantiates
- 0..*, 1, 1..*, 0..1