PROJECT CLASS DIAGRAM

Receipt(interface)
- StoreName: String
- Address: String

+ displayReceipt():String

SystemClass
- sales: ArrayList<Sale>
+ productlist: ArrayList<Product>
- myCustomers: ArrayList<Customer>
- users: ArrayList<User>

+ addProduct(Product p): boolean
+ updateProduct(String barcode,Product p):void
+ productindexOf(Product p):int
+ productindexOf(String barcode):int
+ getAllProduct():ArrayList<Product>
+ getProduct(String barcode):Product
+ addCustomer(Customer c):void
+ updateCustomer(int index,Customer c):void
+ removeCustomer(int id):void
+ customerindexOf(int id):int
+ searchCustomer(int id):Customer
+ getAllCustomer():ArrayList<Customer>
+ getCustomerList(): ArrayList<String>
+ getCustomer(String text):Customer
+ addUser(User u):void
+ updateUser(String username,User u):void
+ removeUser(String username):void
+ userindexOf(String username):int
+ searchUser(String username):User
+ getAllUser():ArrayList<User>
+ getUserList(): ArrayList<String>
+ getUser(String text):User
+ addSale(Sale s):void
+ removeSale(int id)void
+ saleindexOf(int id):int
+ getSale(int id):Sale
+ getAllSales(Date s_date,Date e_date):ArrayList<Sale>
+ getAllSales(Date s_date,Date e_date,User seller): ArrayList<Sale>
+ getAllSales(Date s_date,Date e_date,String Customer):ArrayList<Sa
+ getAllSales(Date s_date,Date e_date,String Customer,String seller):

return

Sale
- id:int
- customername: String
- username: String
- basket: Basket
- cashorcredit: String
- s_date: Date
- lastid:int

+ Sale(String,String,String,Basket)
+ displayDate():String
+ displayReceipt():String

Basket
- basket: ArrayList<BasketItem>
- item: BasketItem
- basketSum: double
- basketSumwithPay: double

+ addToBasket(Product p, int amount):void
+ removeBasketitem(String barcode):void
+ clearBasket():void
+ basketItemindexOf(String barcode):int
+ updateBasketSum():void
+ removeItemFromBasket(int index):void
+ getBasketItem():BasketItem
+ getBasketitems():ArrayList<BasketItem>
+ toString():String

Customer
- id: int
- name: String
- surname: String
- tel: String
- lastid: int

+ Customer(String, String,String)
+ equals(Customer c):boolean

User
- name: String
- surname: String
- username: String
- password: String
- authority: String

+ User(String,String,String,String,String)
+ controlUserPassword(String password):boolean

BasketItem
- prod: Product
- amount: int

+ BasketItem(Product p, int a)
+ getBasketItemTotalPrice():double
+ getBasketItemTotalPriceWithPay():double
+ toString():String

Product(abstract)
barkod: String
name: String
p_price: double
s_price: double
category: String
description: String
amount: int

+ Product(String,String,double,double,String,int,String)
+ getBarkod():String
+ getName():String
+ decreaseAmount(int number):void
+ increaseAmount(int number):void
+ equals(Product p):boolean
+ calcPrice():String

Tv
+ Tv(String,String,double,double,String,int,String)
+ calcPrice():double

Phone
+ Phone(String,String,double,double,String,int,Strir
+ calcPrice():double

Computer
+ Computer(String,String,double,double,String,int,S
+ calcPrice():double

Other
+ Other(String,String,double,double,S
+ calcPrice():double