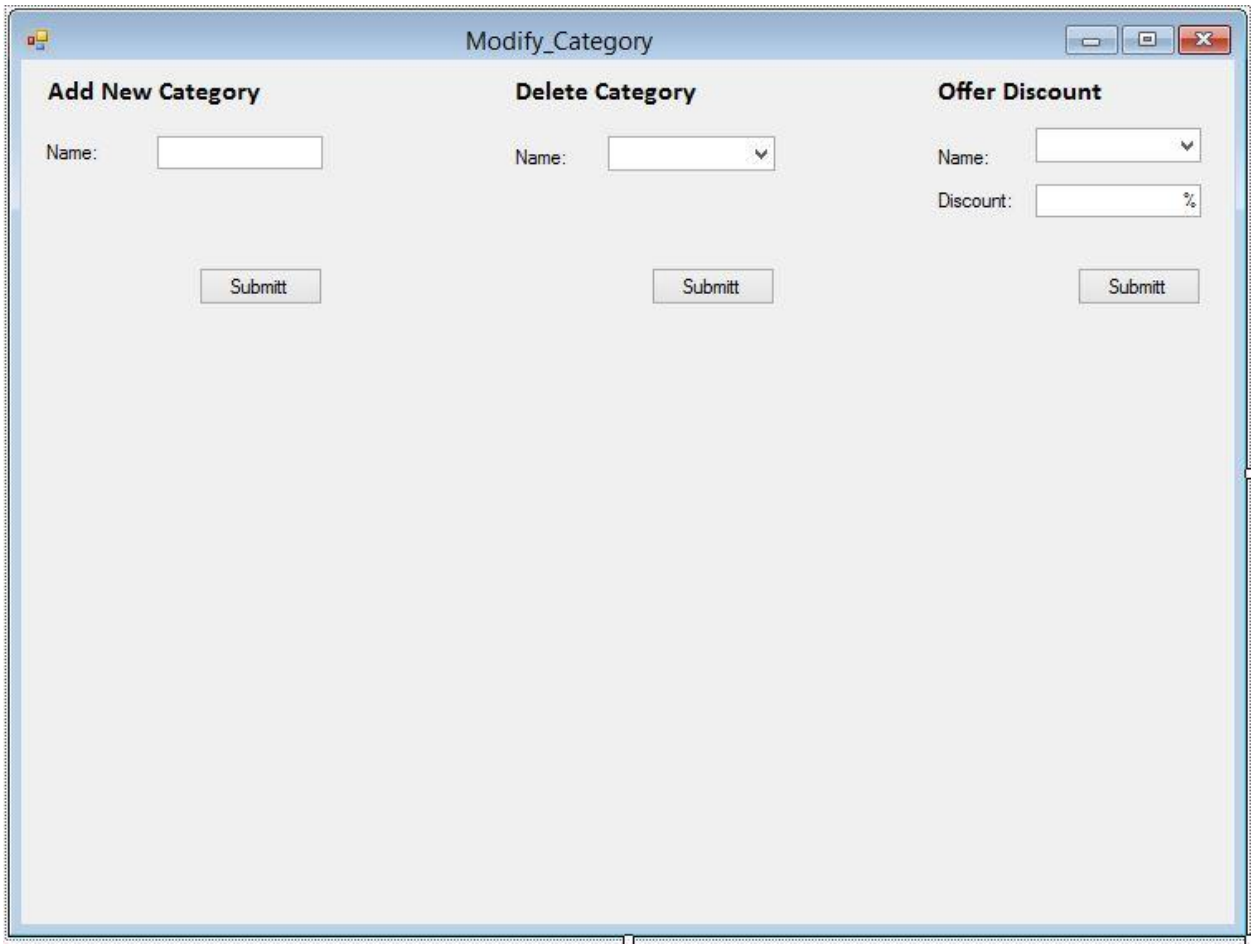
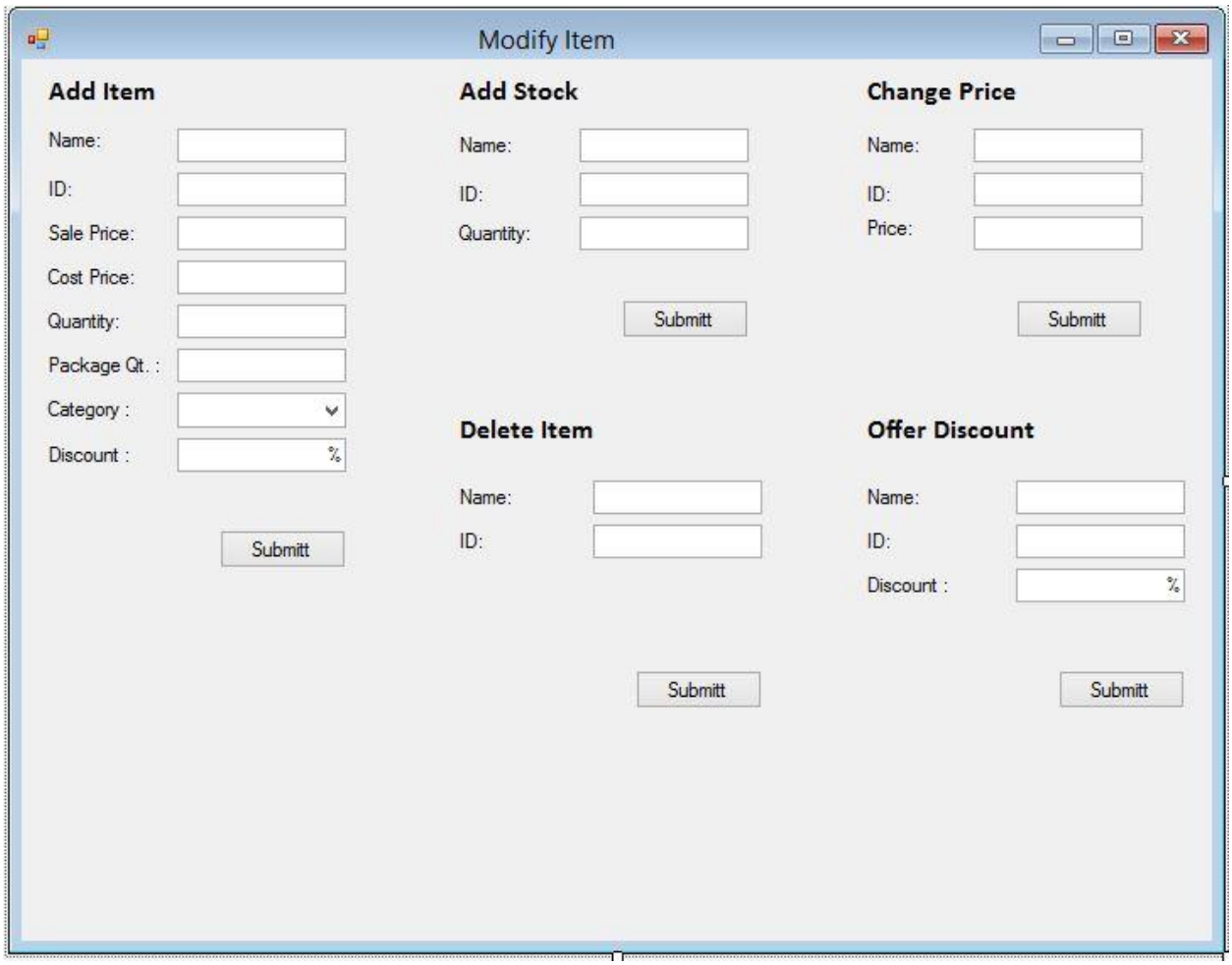
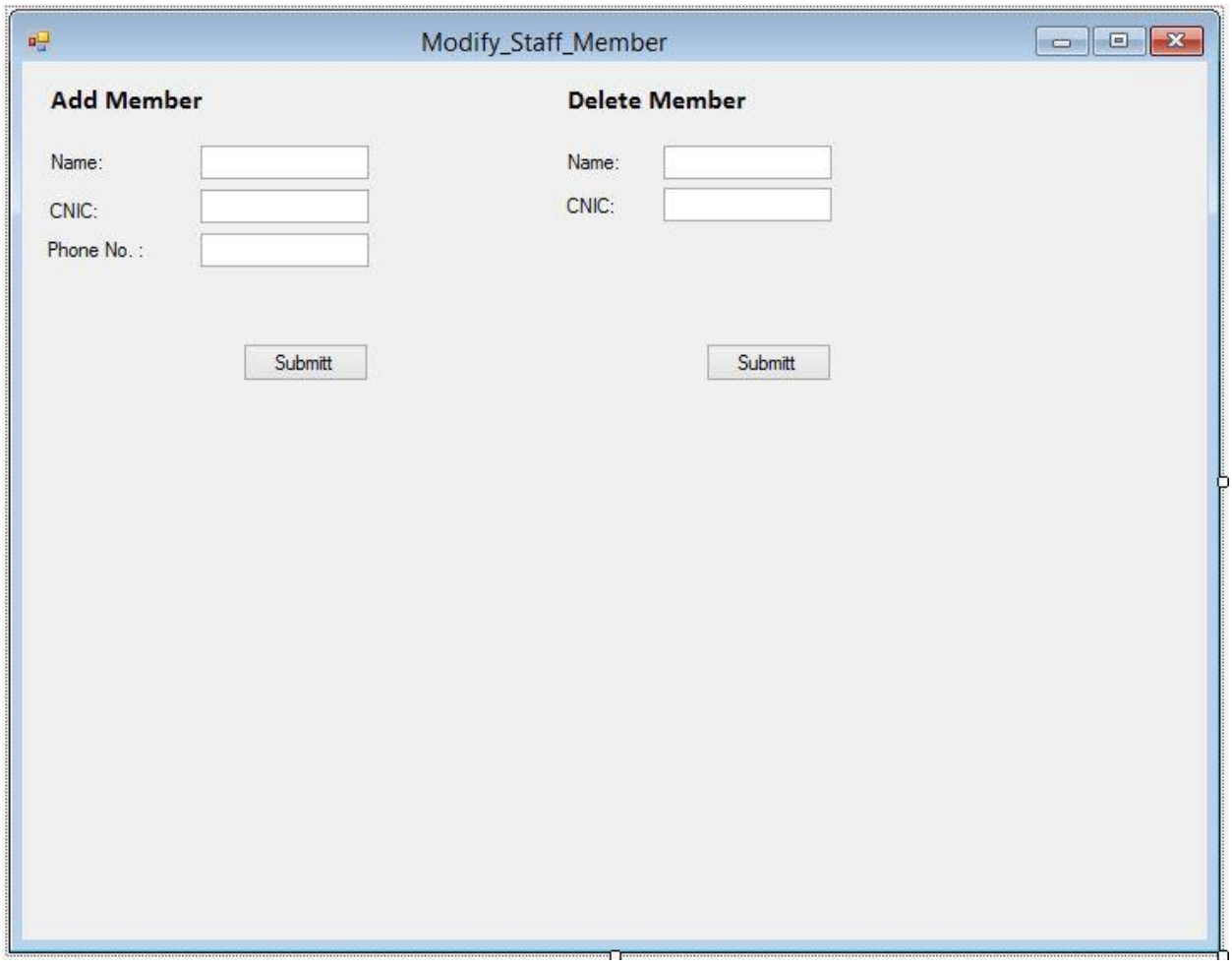
Design.pdf

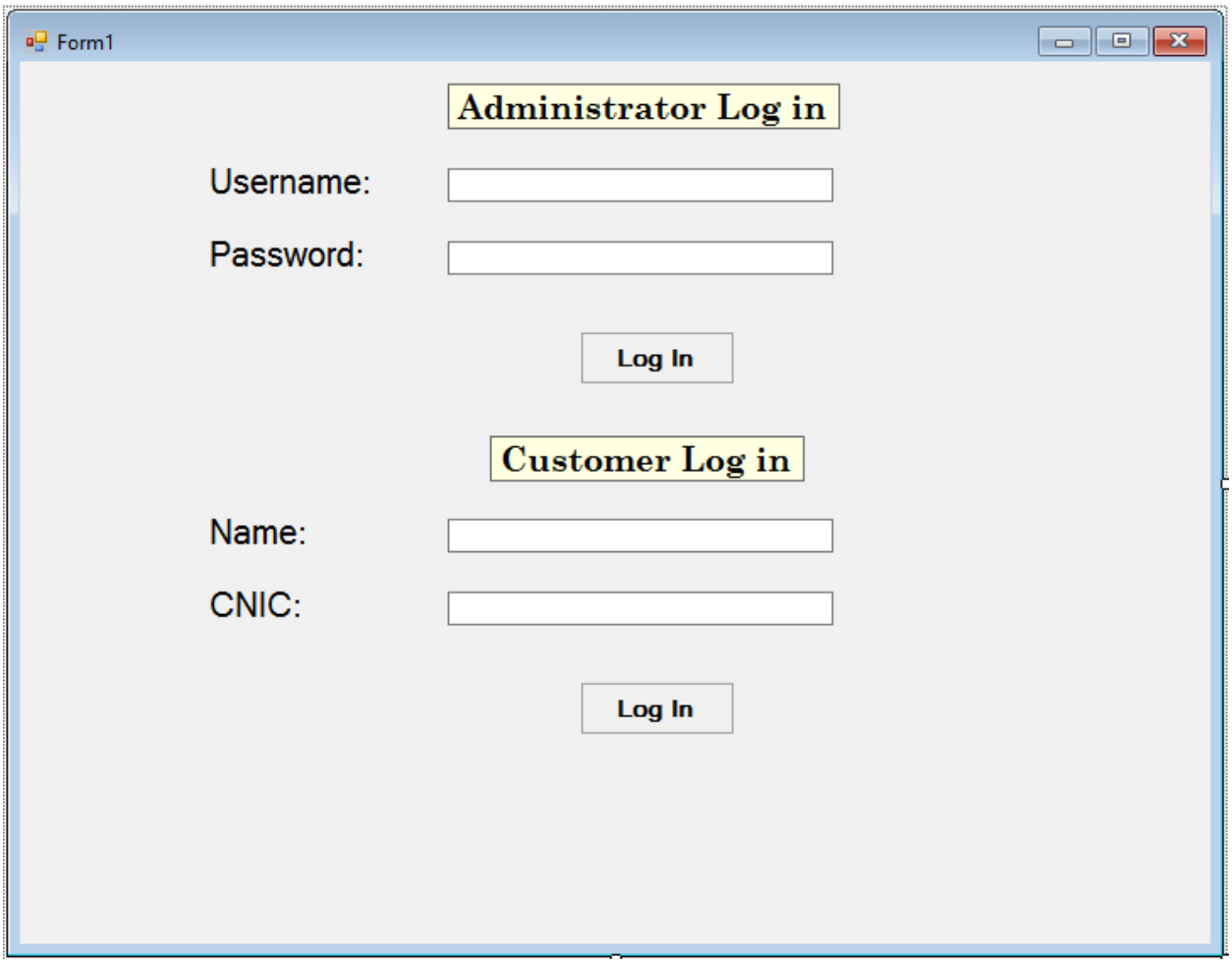
GUI(s)

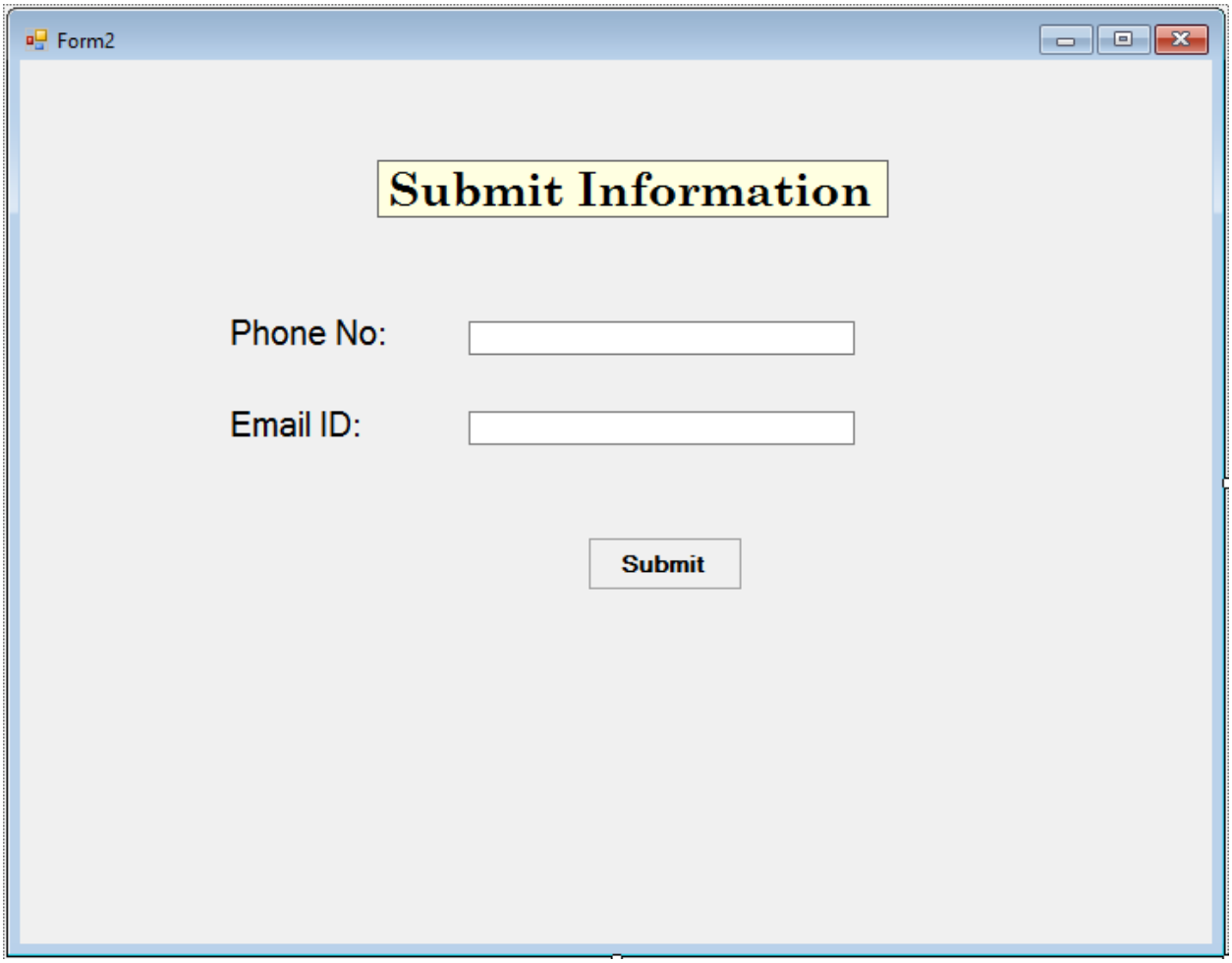
Admin
Administrator
Modify Item
Modify Staff
Modify Category
Generate Sales Report
Generate Profit Report
View Stock
Promote Member

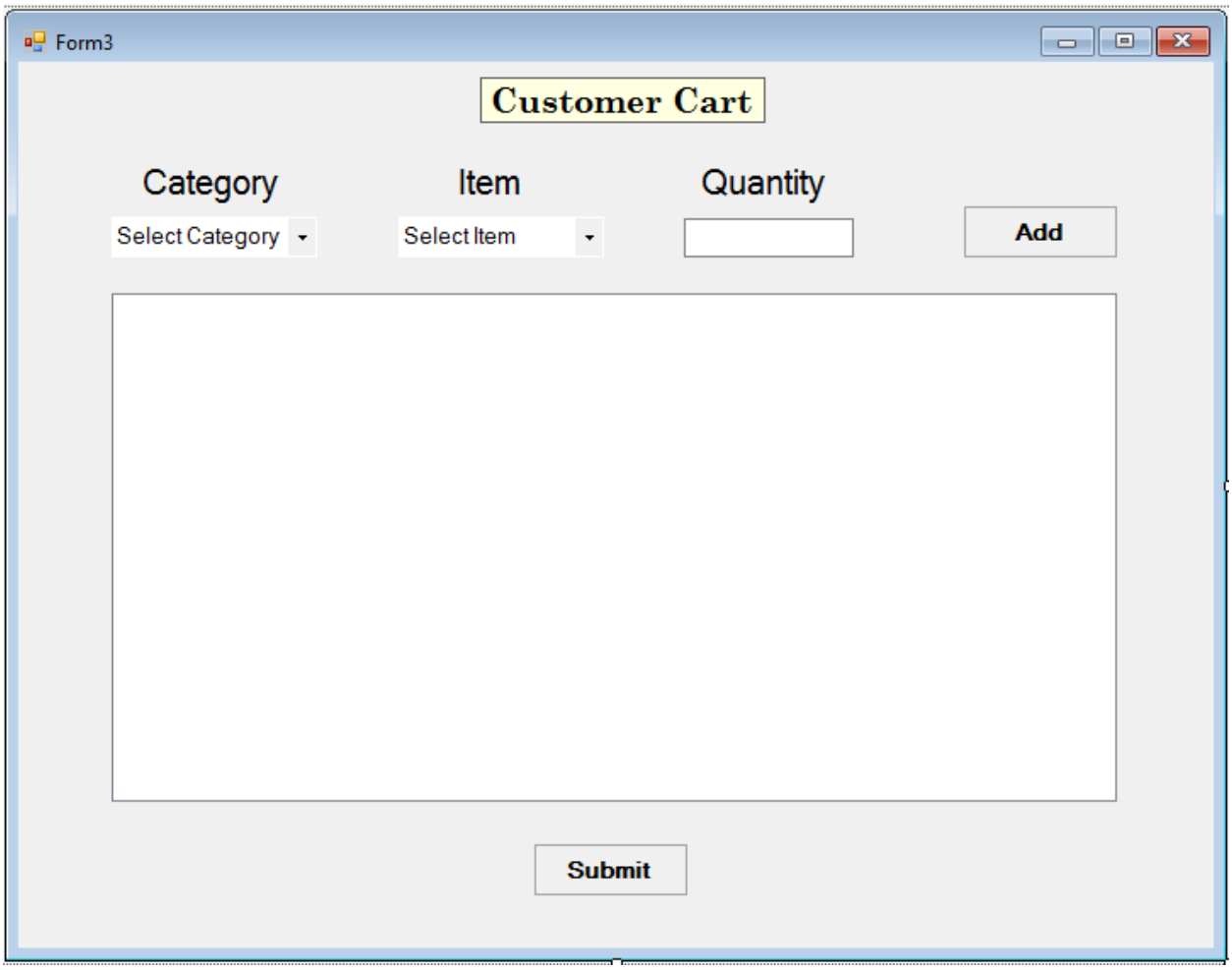

Modify_Category
Add New Category
Name:
Submitt
Delete Category
Name:
Submitt
Offer Discount
Name:
Discount:
%
Submitt

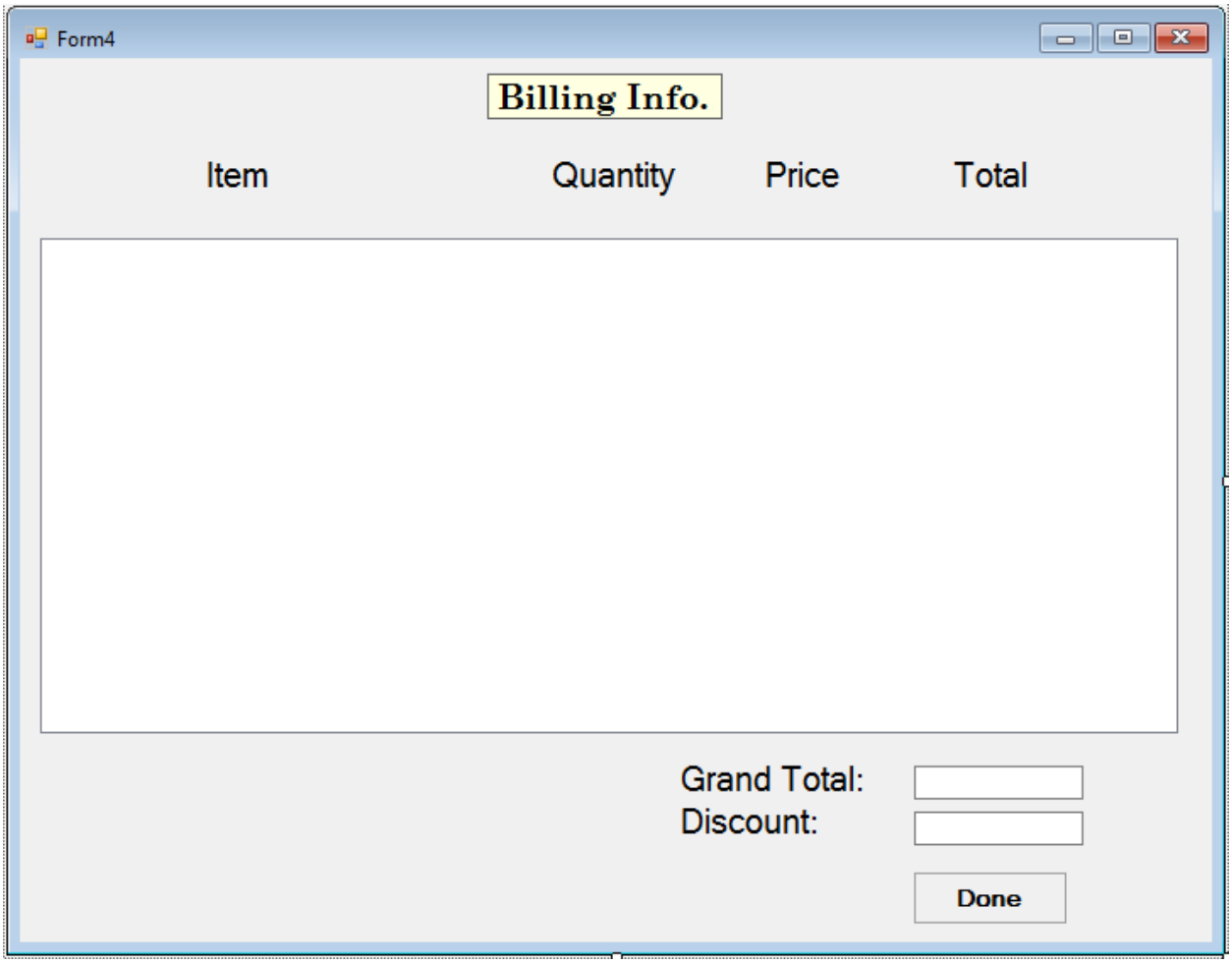

Modify Item
Add Item
Name:
ID:
Sale Price:
Cost Price:
Quantity:
Package Qt. :
Category :
Discount :
%
Submitt
Add Stock
Name:
ID:
Quantity:
Submitt
Change Price
Name:
ID:
Price:
Submitt
Delete Item
Name:
ID:
Submitt
Offer Discount
Name:
ID:
Discount :
%
Submitt

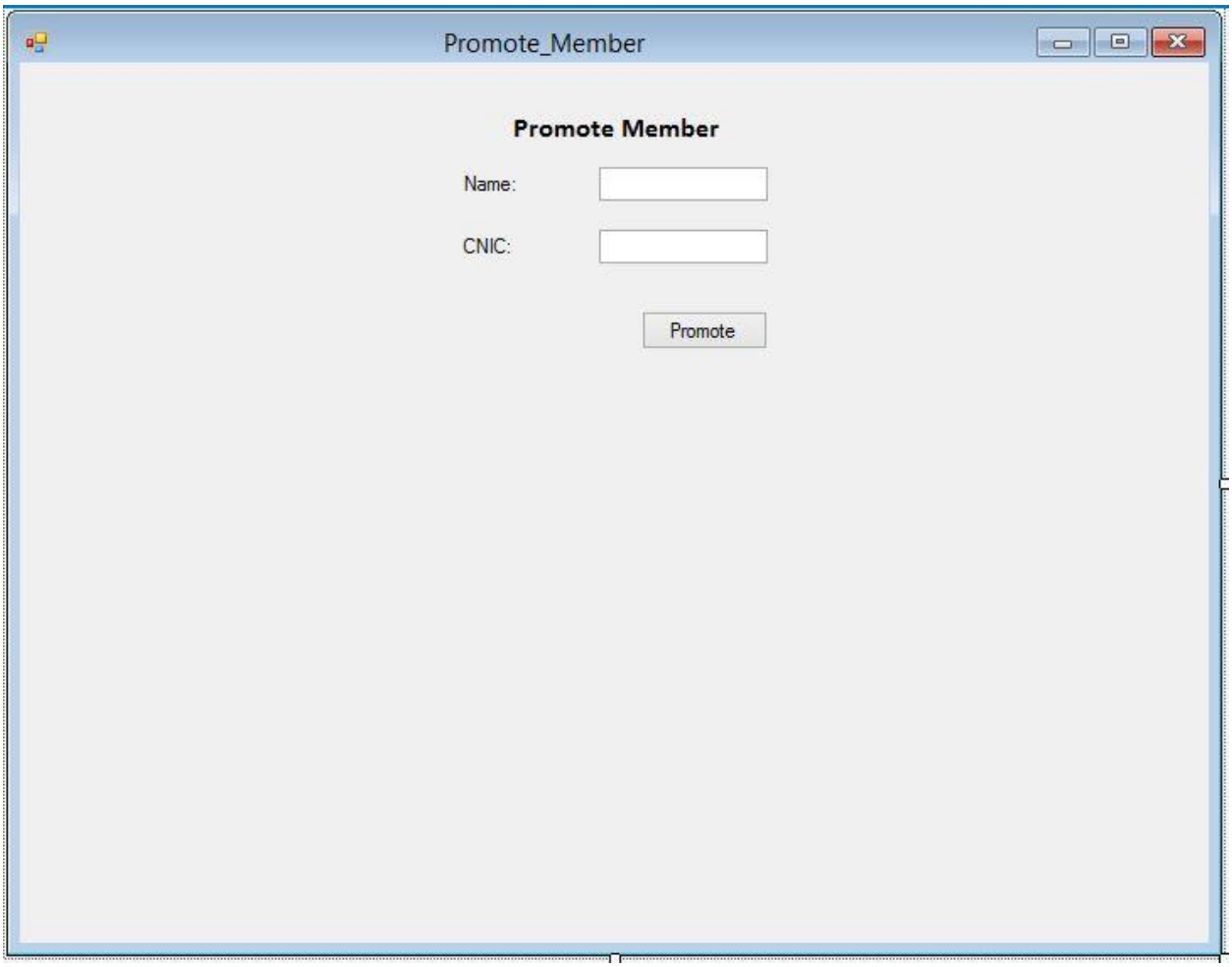

Modify_Staff_Member
Add Member
Name:
CNIC:
Phone No. :
Submitt
Delete Member
Name:
CNIC:
Submitt

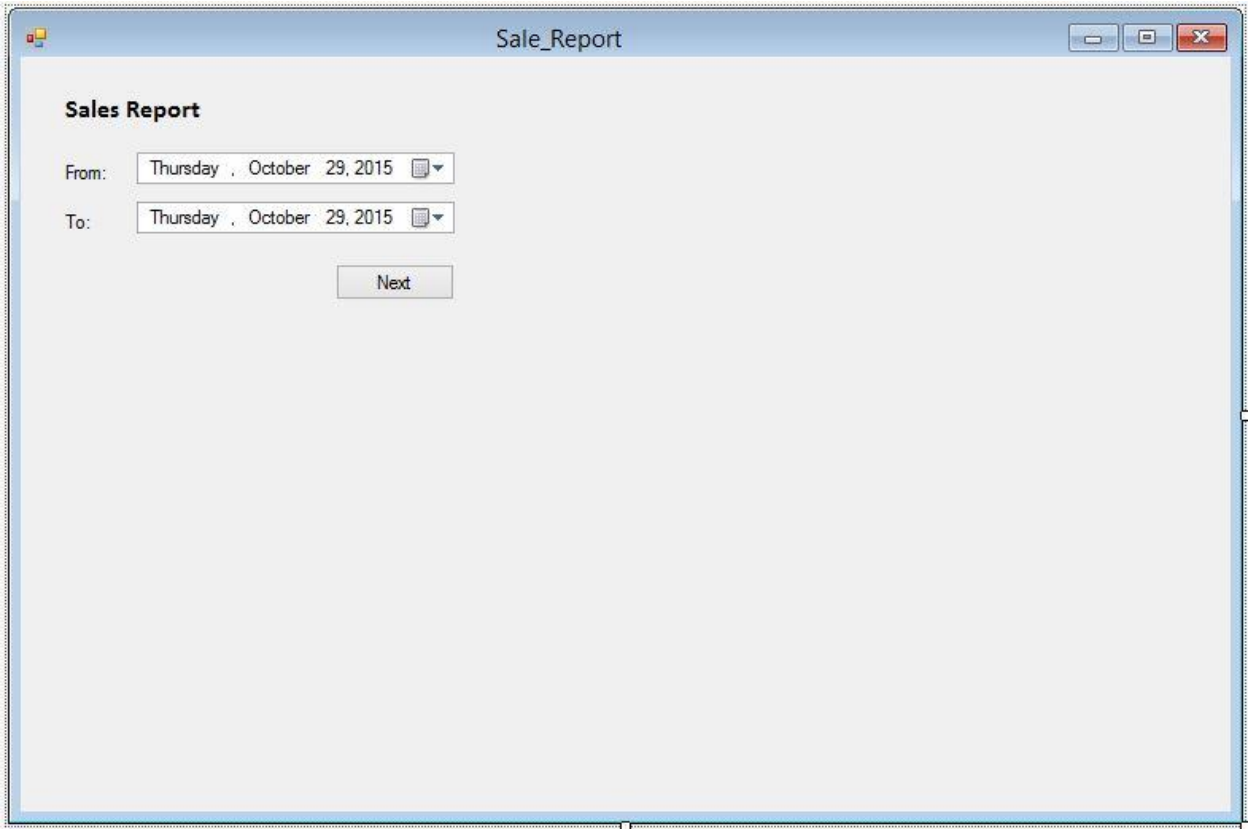

Form1
Administrator Log in
Username:
Password:
Log In
Customer Log in
Name:
CNIC:
Log In


Form2
Submit Information
Phone No:
Email ID:
Submit


Form3
Customer Cart
Category
Item
Quantity
Select Category
Select Item
Add
Submit

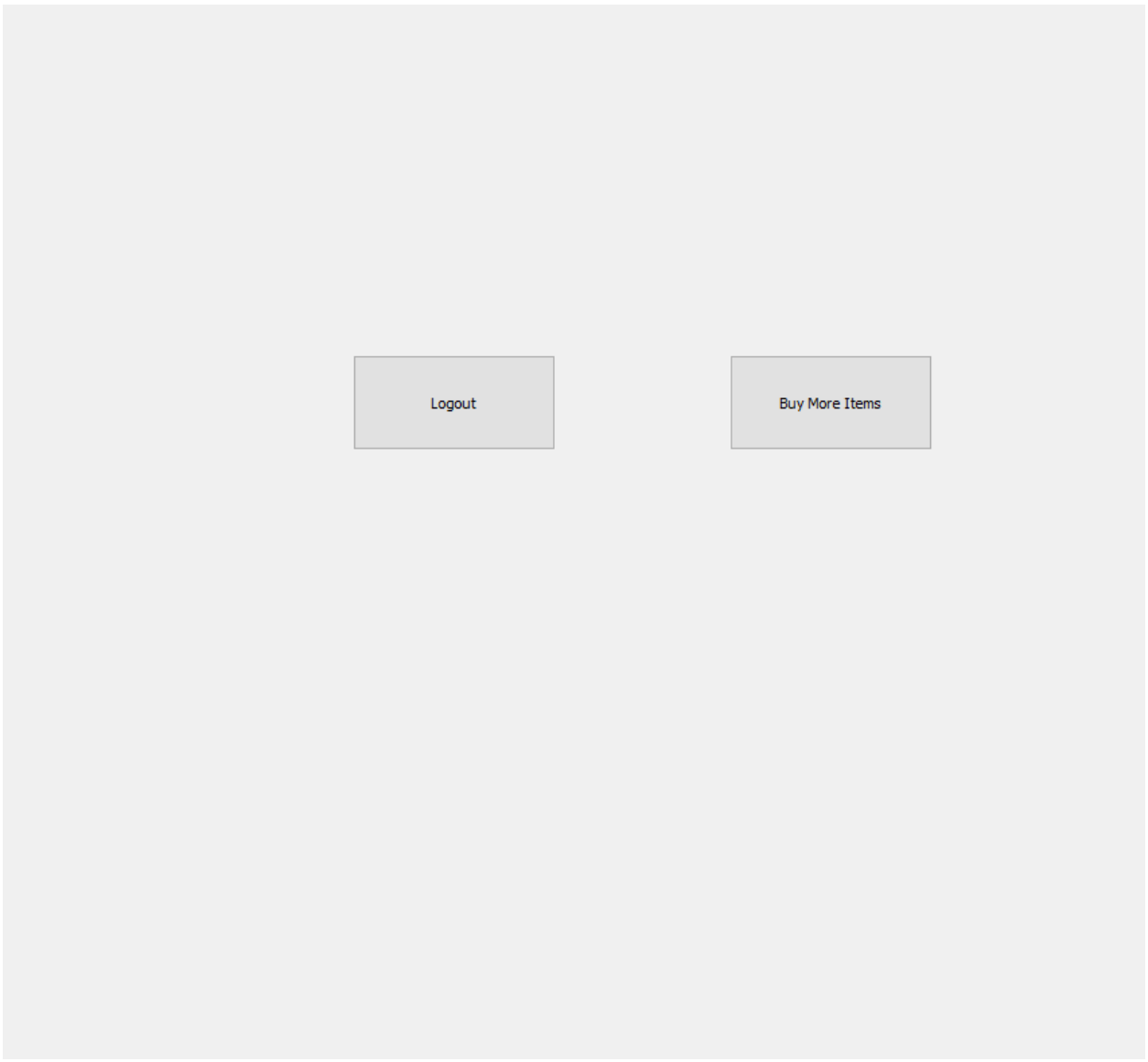

Form4
Billing Info.
Item
Quantity
Price
Total
Grand Total:
Discount:
Done


Promote_Member
Promote Member
Name:
CNIC:
Promote

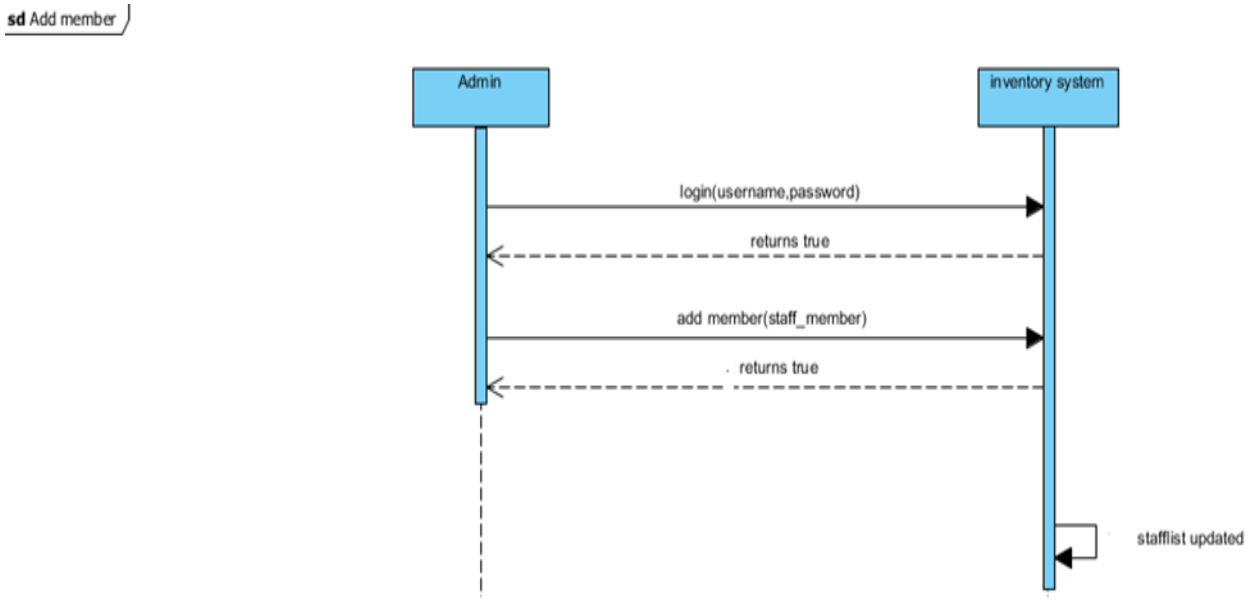

Sale_Report
Sales Report
From:
Thursday , October 29, 2015
To:
Thursday , October 29, 2015
Next

Items

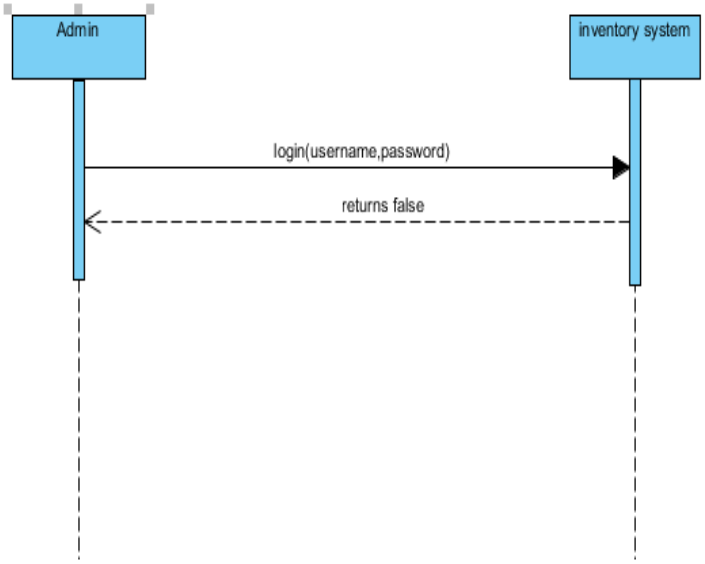
Back


Logout
Buy More Items

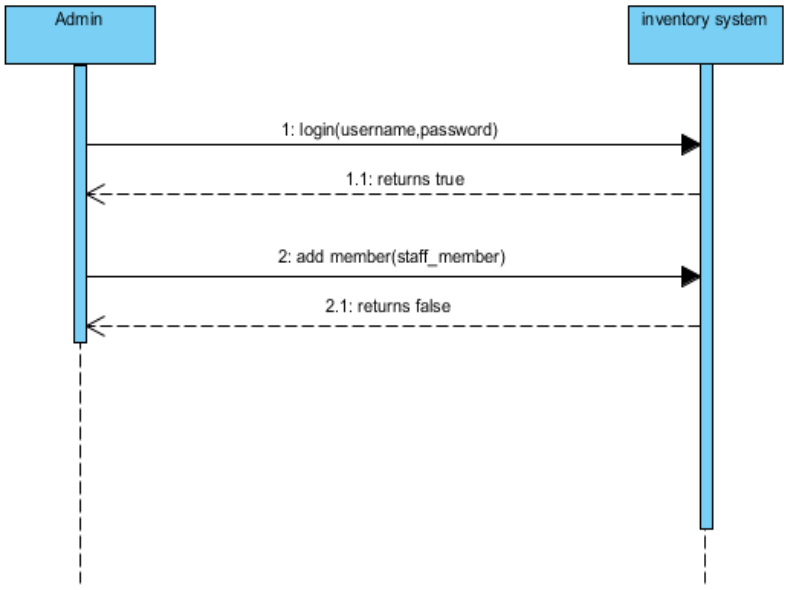
Sequence Diagrams



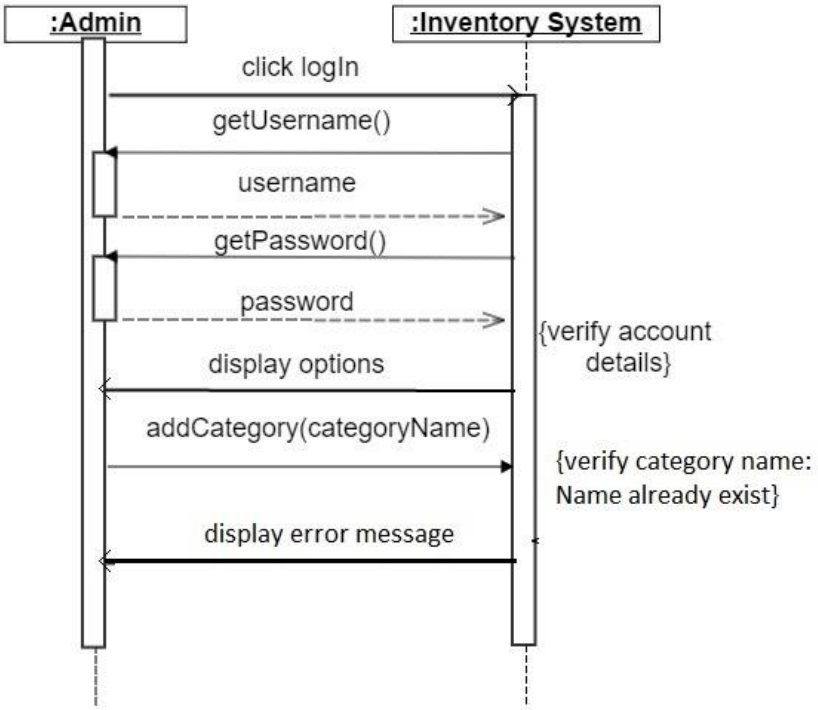
sd Add member



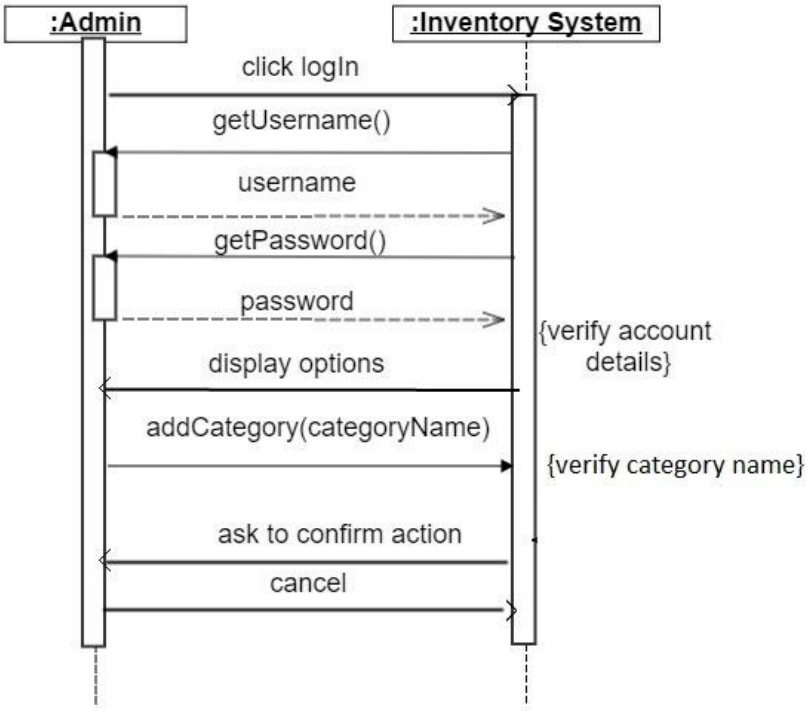
sd Add member



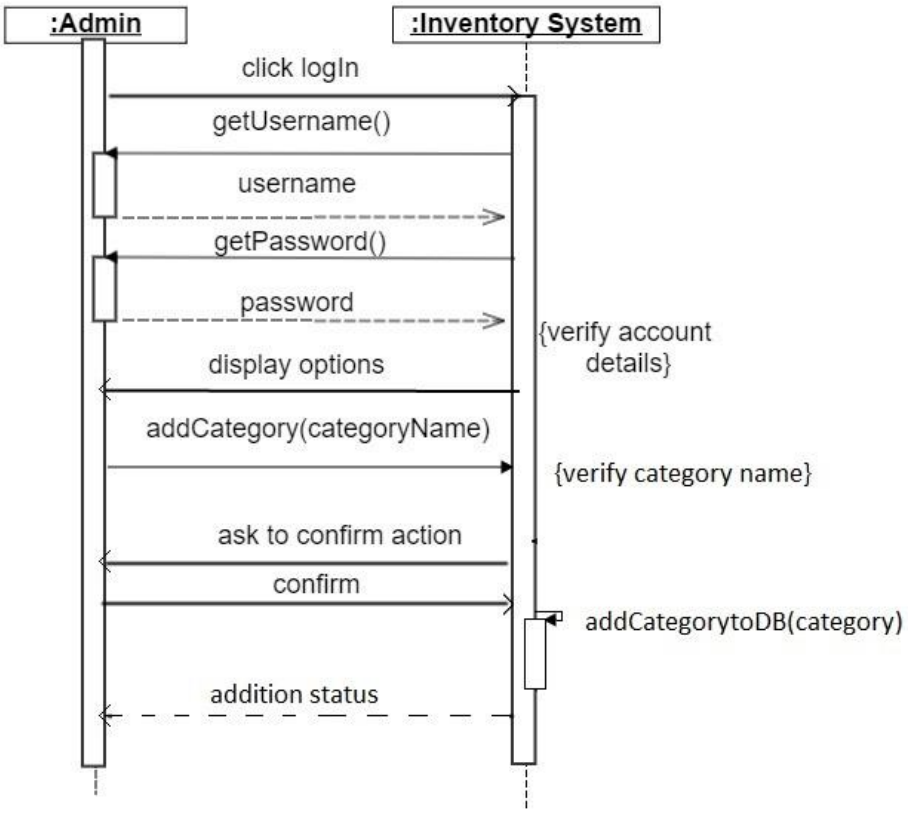
add category



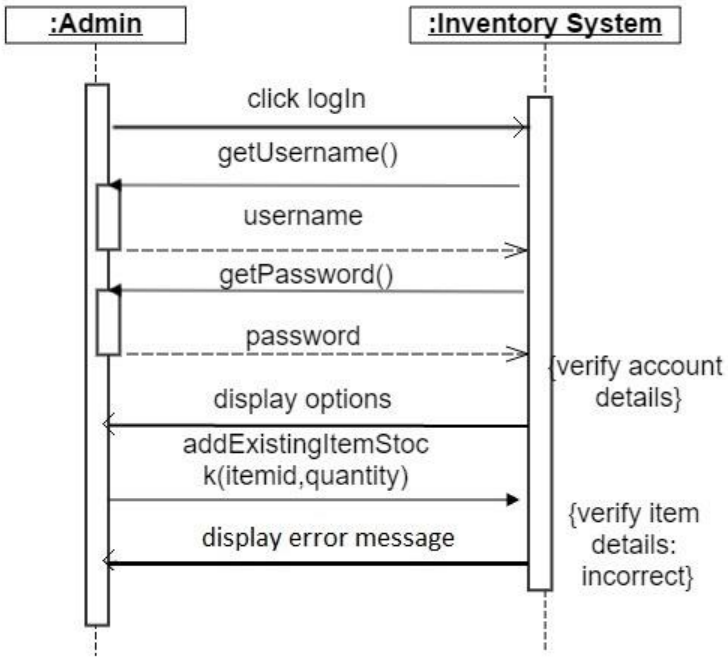
add category

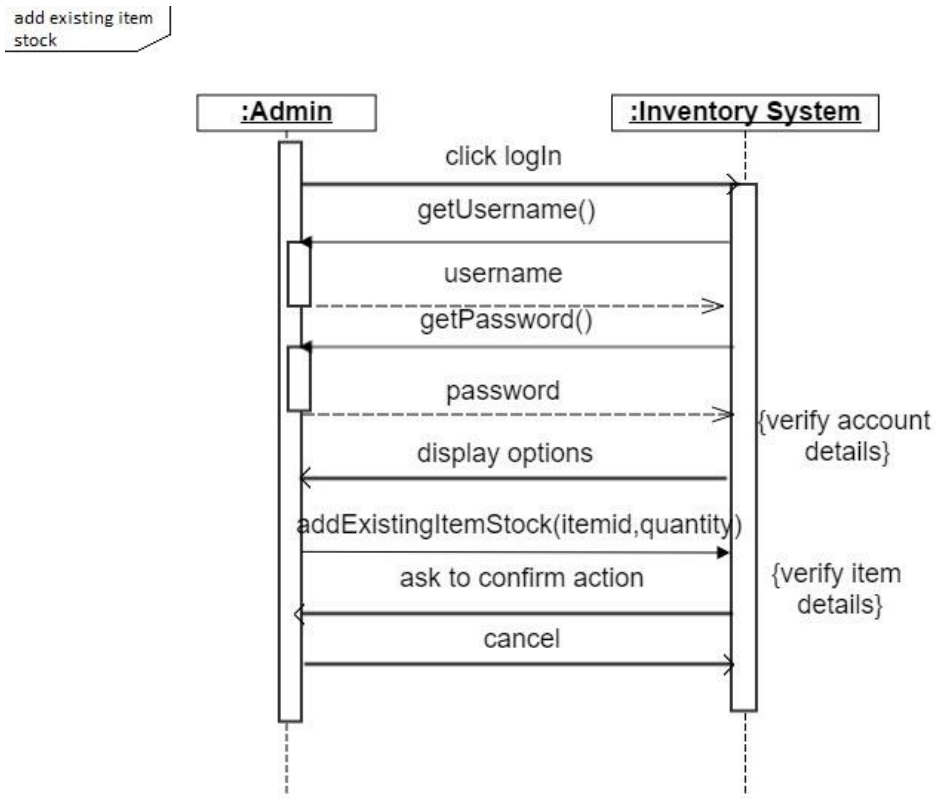


add category

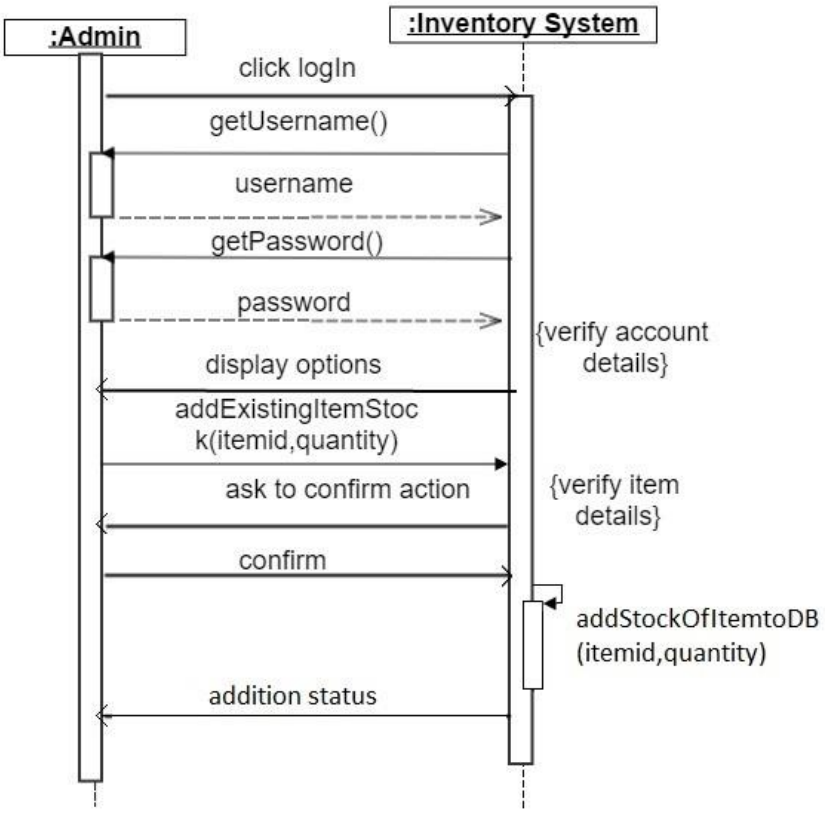


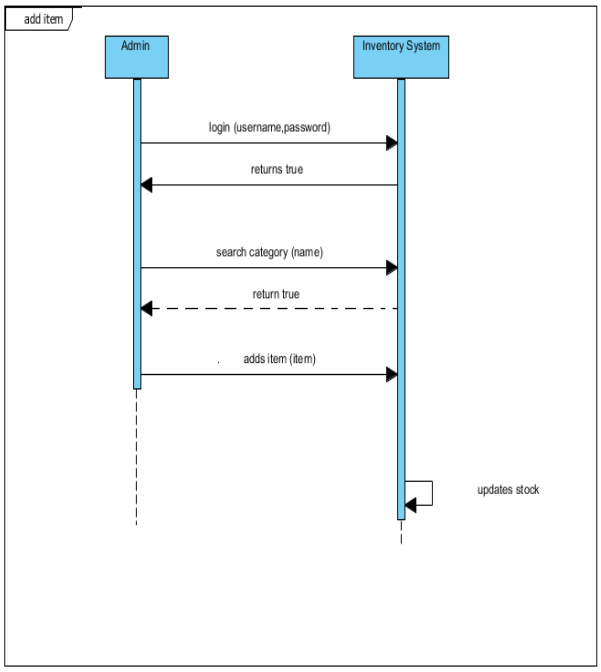
add existing item stock

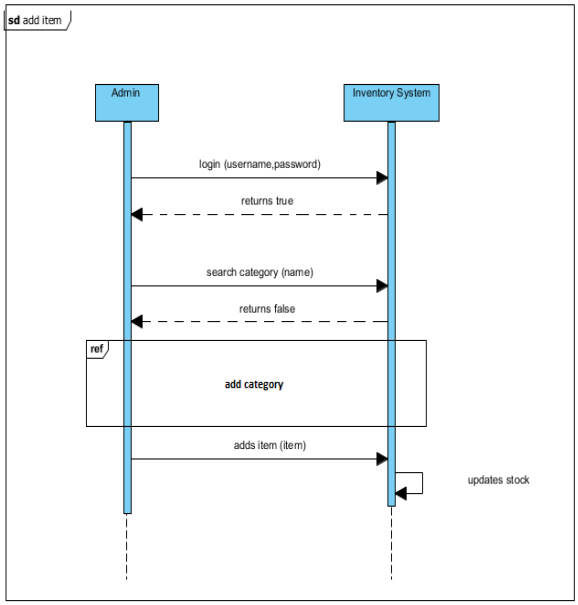


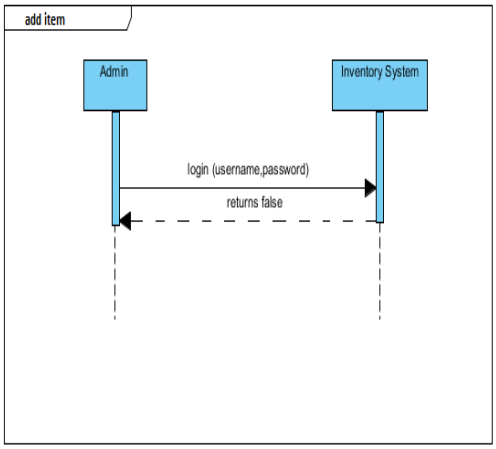

add existing item stock
:Admin
:Inventory System
click logIn
getUsername()
username
getPassword()
password
{verify account details}
display options
addExistingItemStock(itemid,quantity)
ask to confirm action
{verify item details}
cancel

add existing item stock

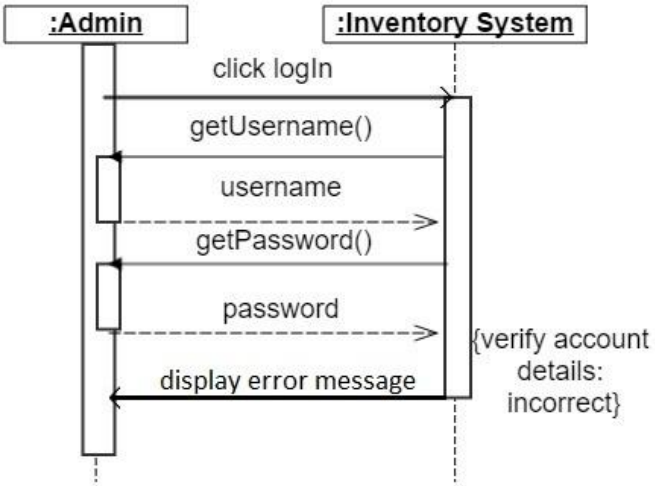



add item
Admin
Inventory System
login (username,password)
returns true
search category (name)
return true
adds item (item)
updates stock

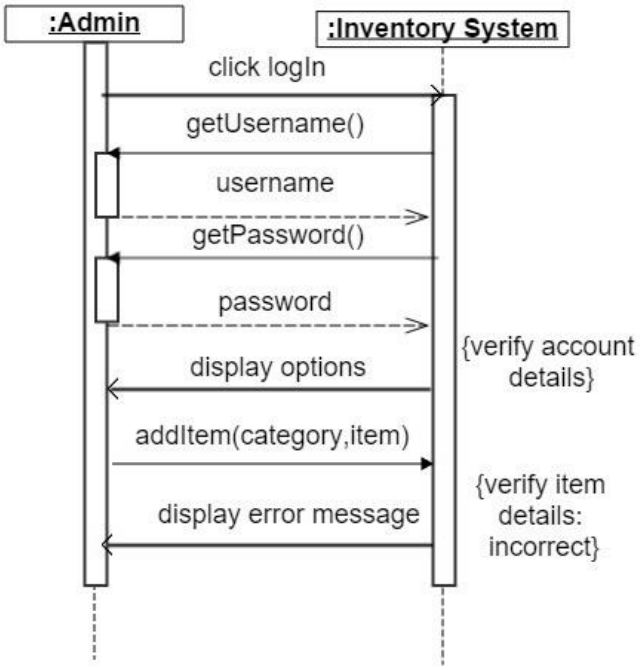

sd add item
Admin
Inventory System
login (username,password)
returns true
search category (name)
returns false
ref
add category
adds item (item)
updates stock


add item
Admin
Inventory System
login (username,password)
returns false

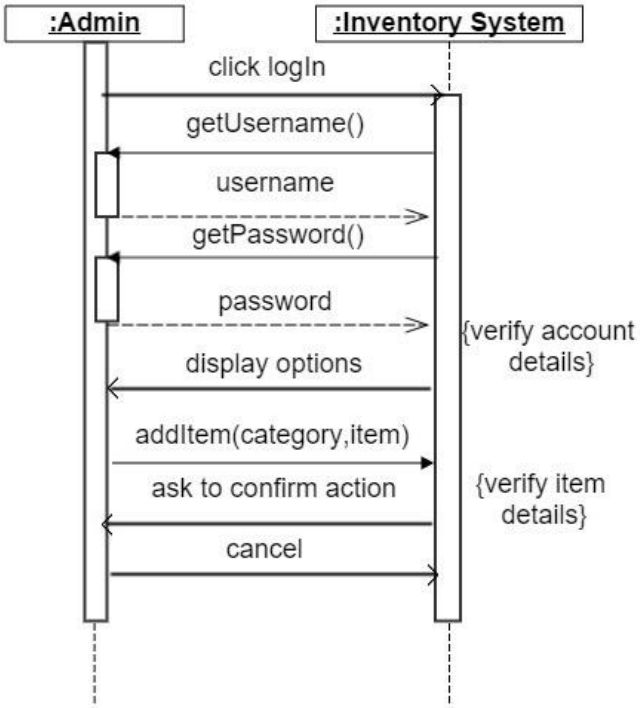
add item


:Admin
:Inventory System
click logIn
getUsername()
username
getPassword()
password
display error message
{verify account details: incorrect}

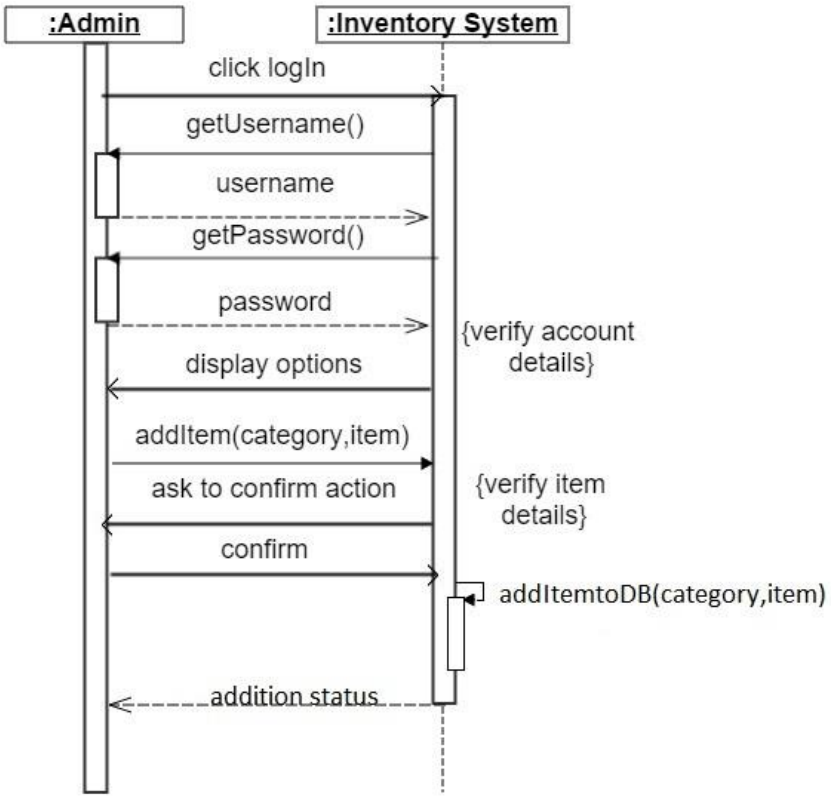
add item

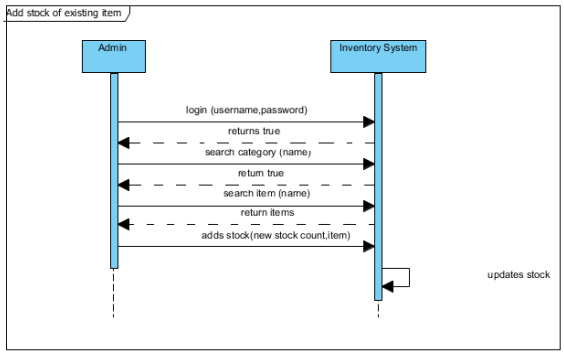


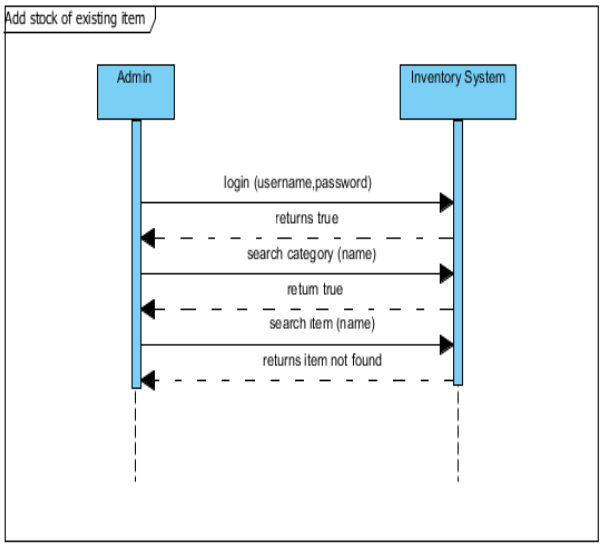
add item

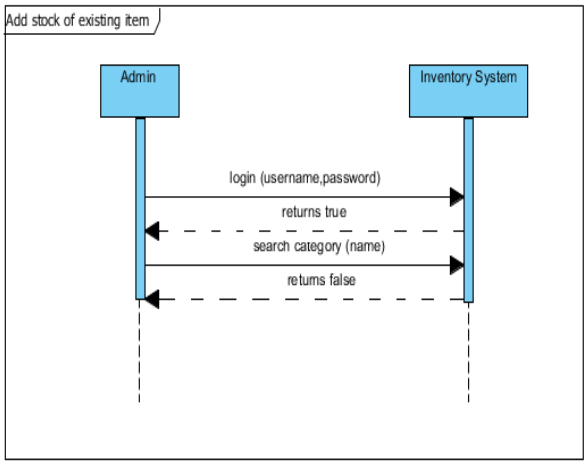


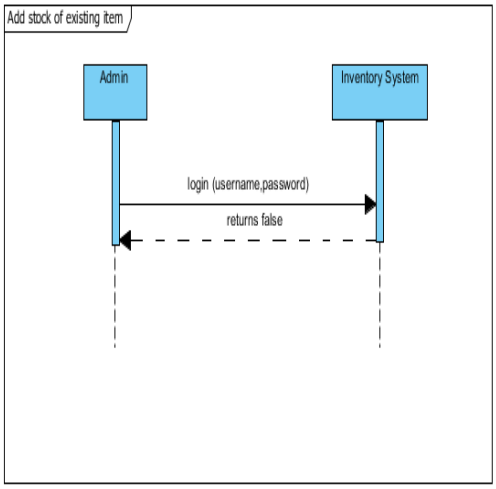
add item


:Admin
:Inventory System
click logIn
getUsername()
username
getPassword()
password
{verify account details}
display options
addItem(category,item)
ask to confirm action
{verify item details}
confirm
addItemtoDB(category,item)
addition status

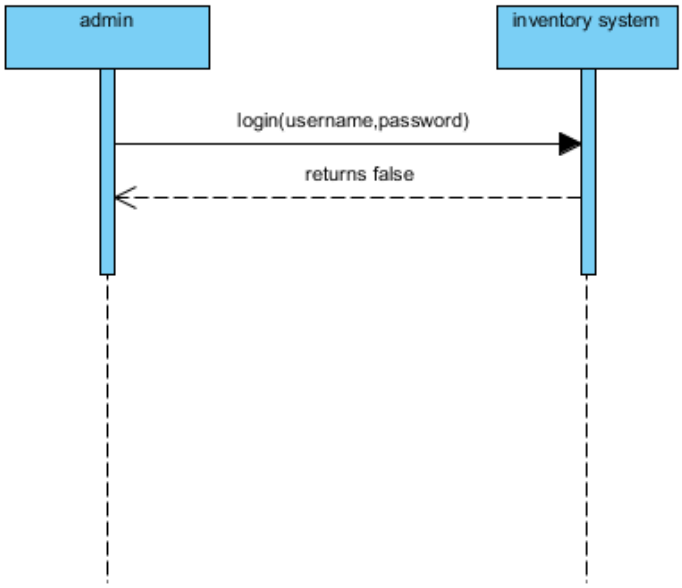

Add stock of existing item
Admin
Inventory System
login (username,password)
returns true
search category (name)
return true
search item (name)
return items
adds stock(new stock count,item)
updates stock


Add stock of existing item
Admin
Inventory System
login (username,password)
returns true
search category (name)
return true
search item (name)
returns item not found

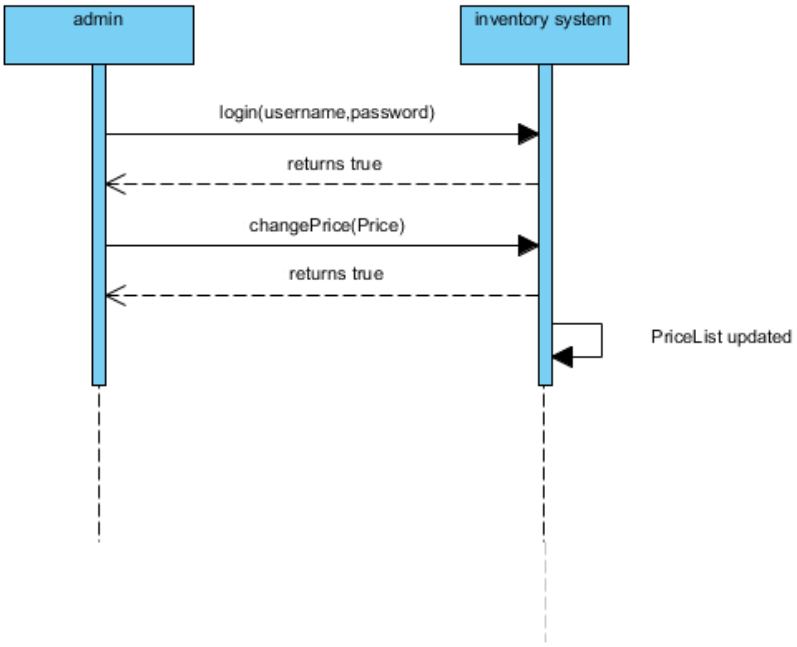

Add stock of existing item
Admin
Inventory System
login (username,password)
returns true
search category (name)
returns false

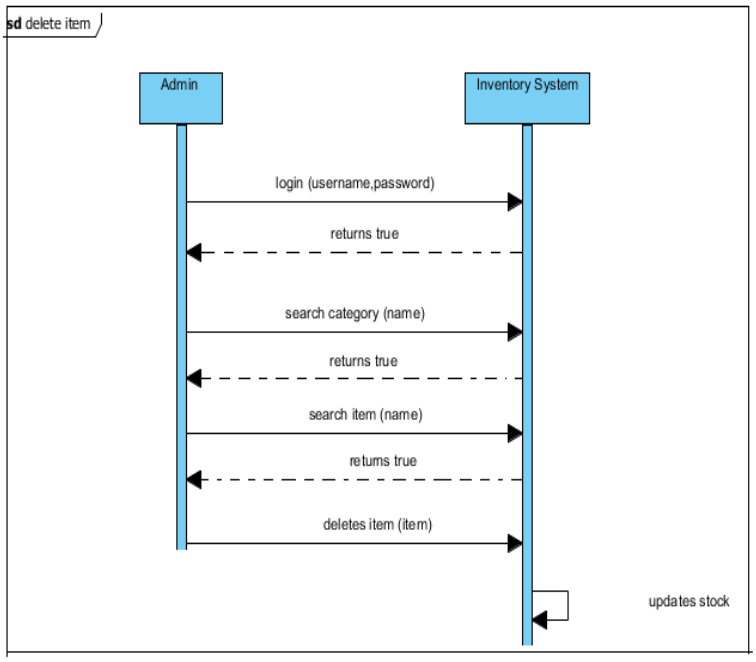

Add stock of existing item
Admin
Inventory System
login (username,password)
returns false

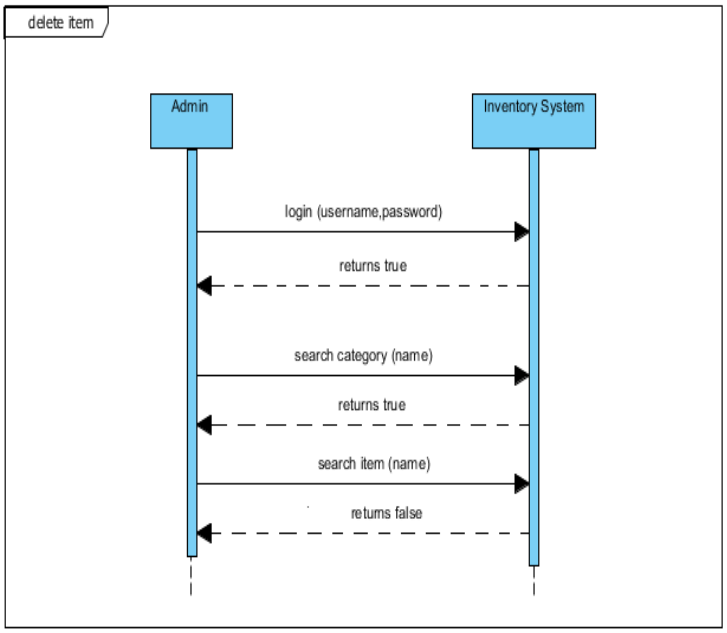
sd change price

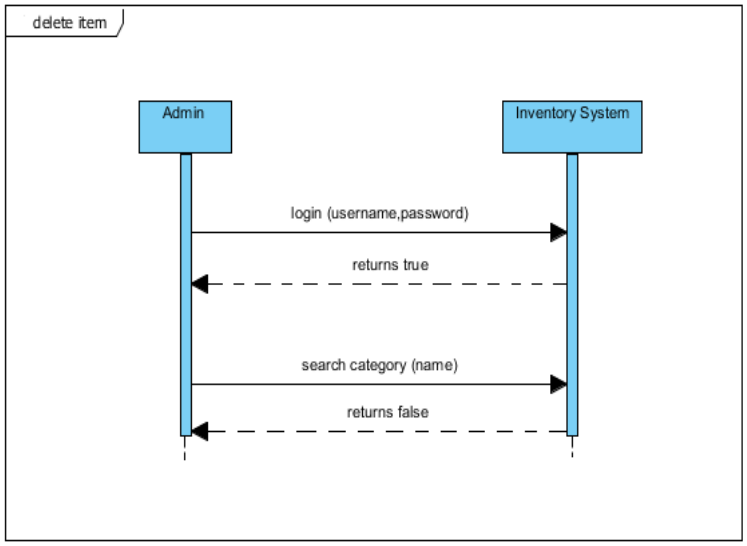


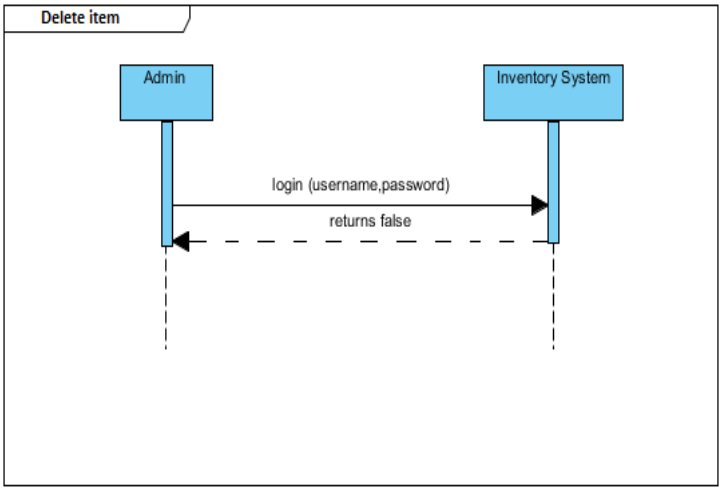
sd change price



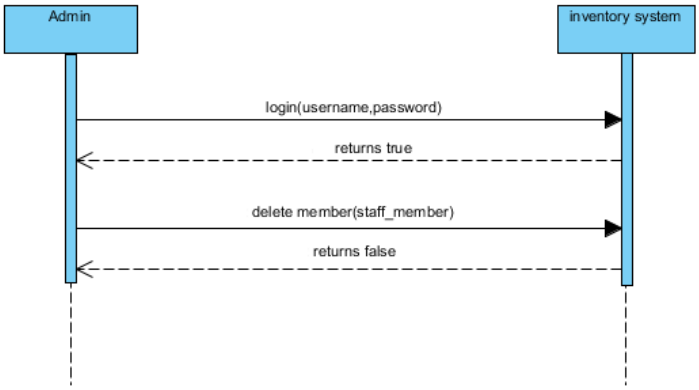

sd delete item
Admin
Inventory System
login (username,password)
returns true
search category (name)
returns true
search item (name)
returns true
deletes item (item)
updates stock


delete item
Admin
Inventory System
login (username,password)
returns true
search category (name)
returns true
search item (name)
returns false

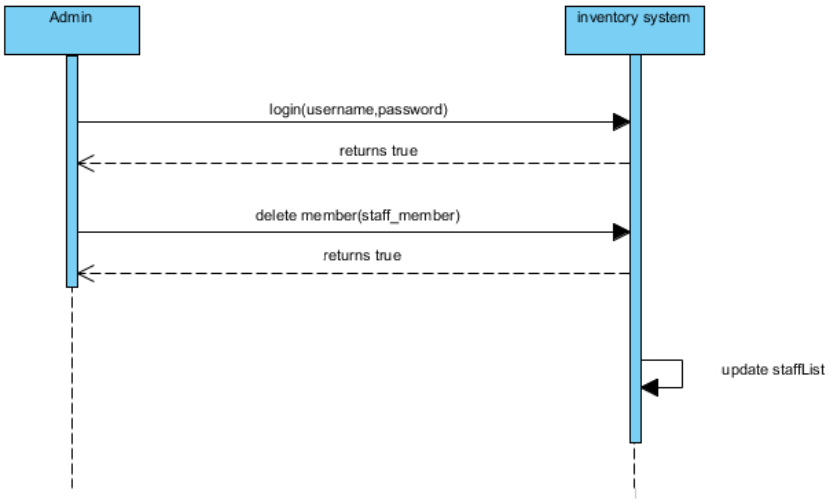

delete item
Admin
Inventory System
login (username,password)
returns true
search category (name)
returns false


Delete item
Admin
Inventory System
login (username,password)
returns false

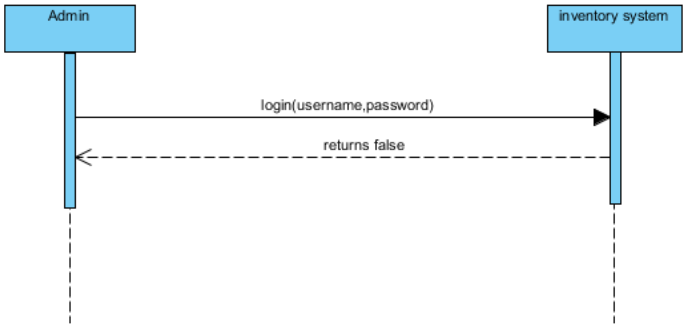
sd delete member



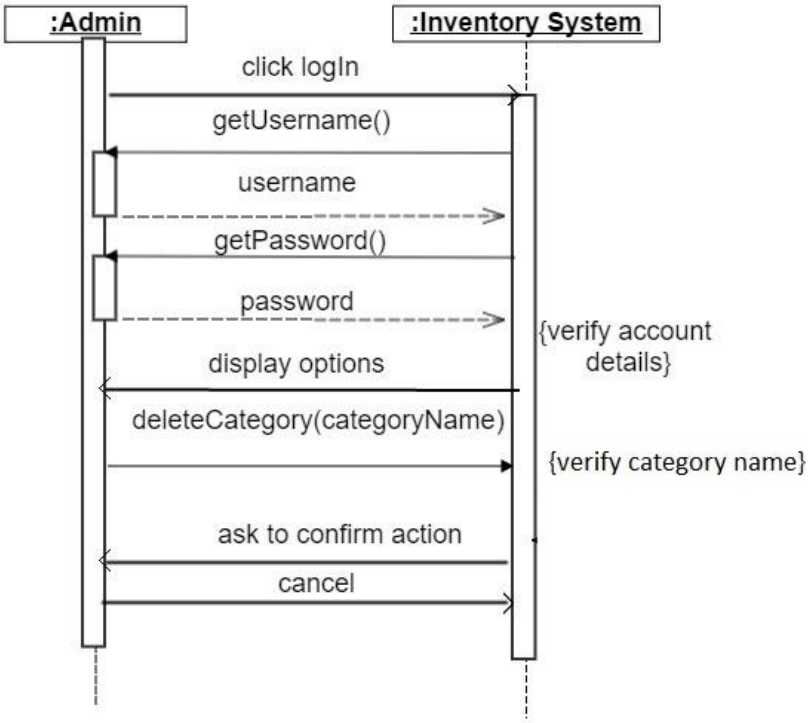
sd delete member



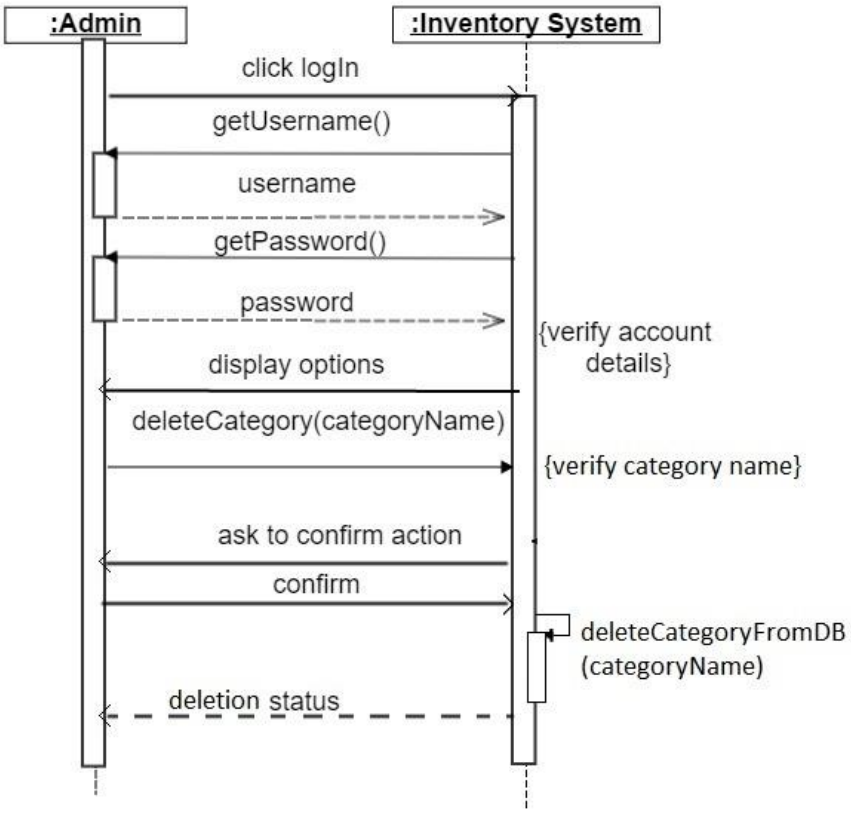
sd delete member



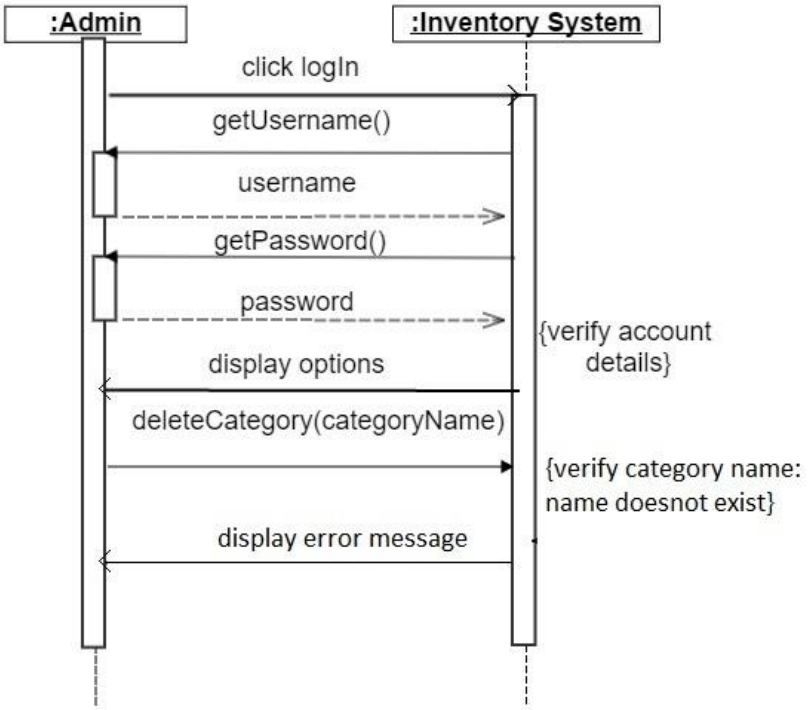
delete category



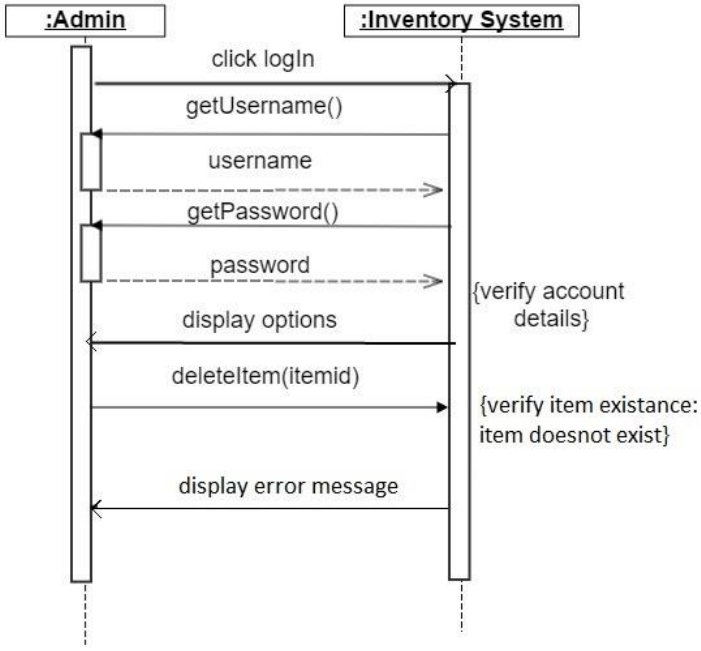
delete category



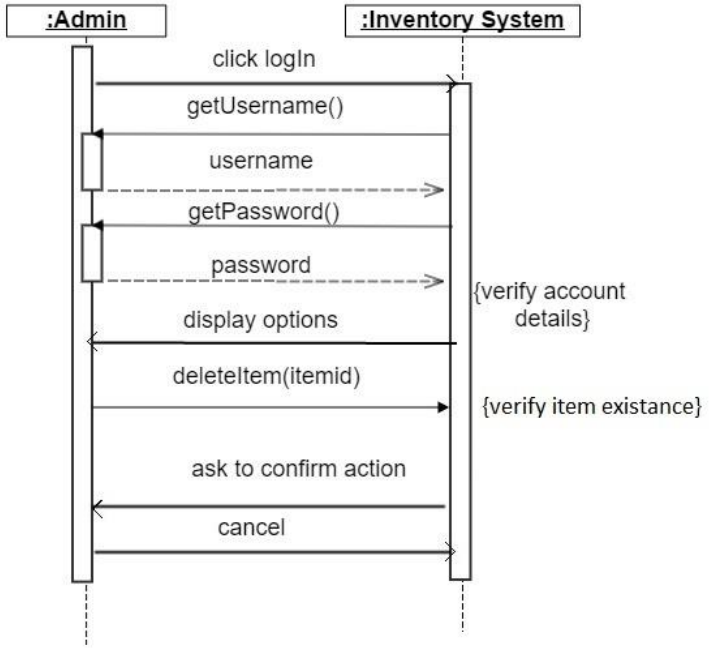
delete category



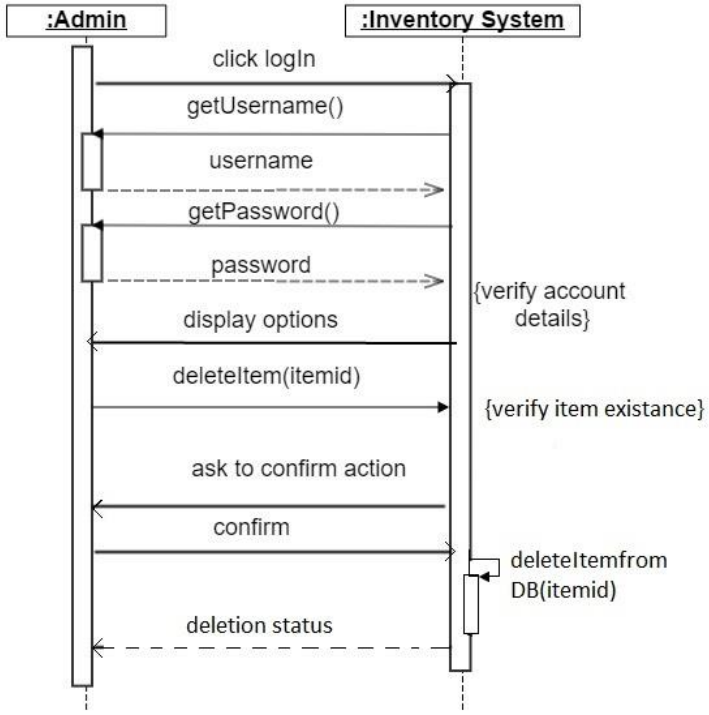
delete item

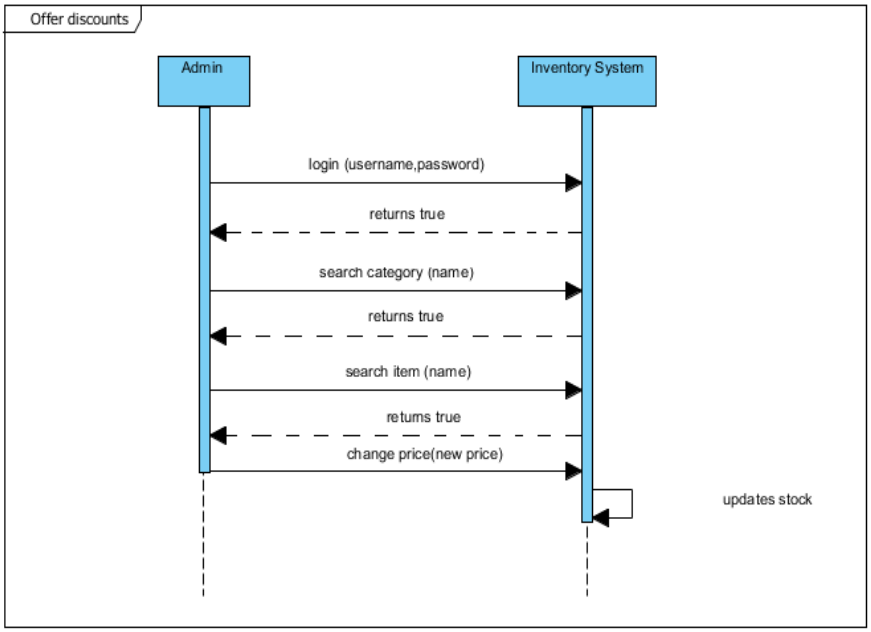


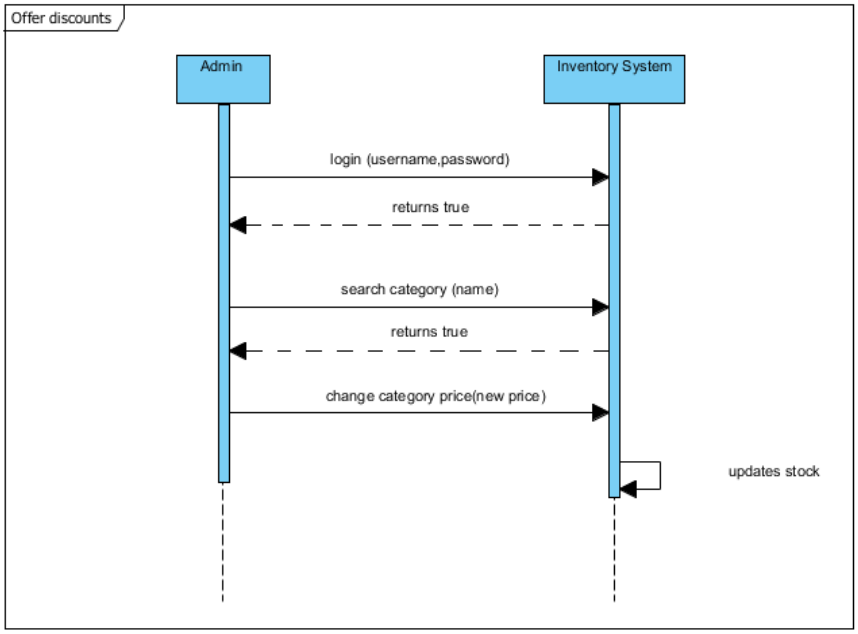
delete item

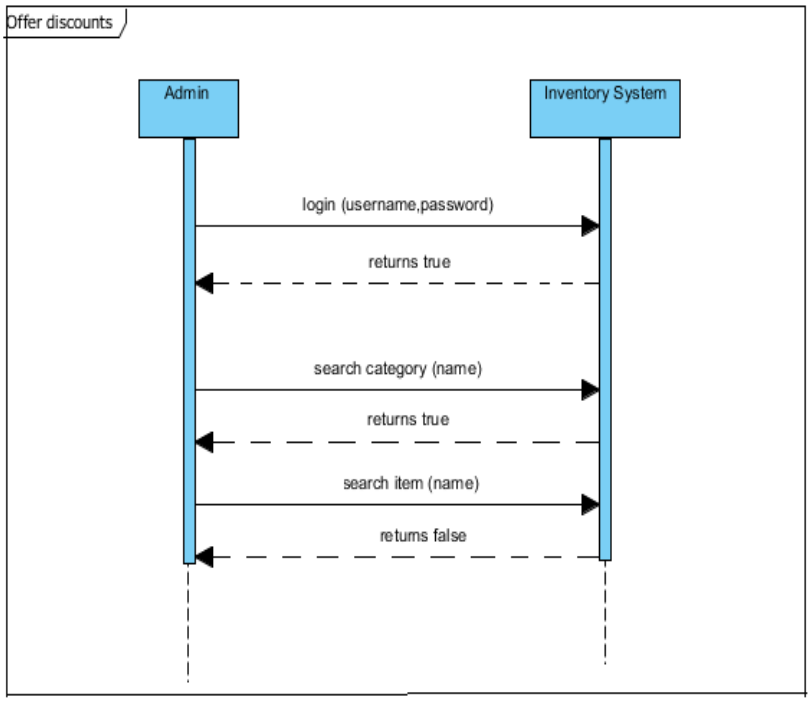


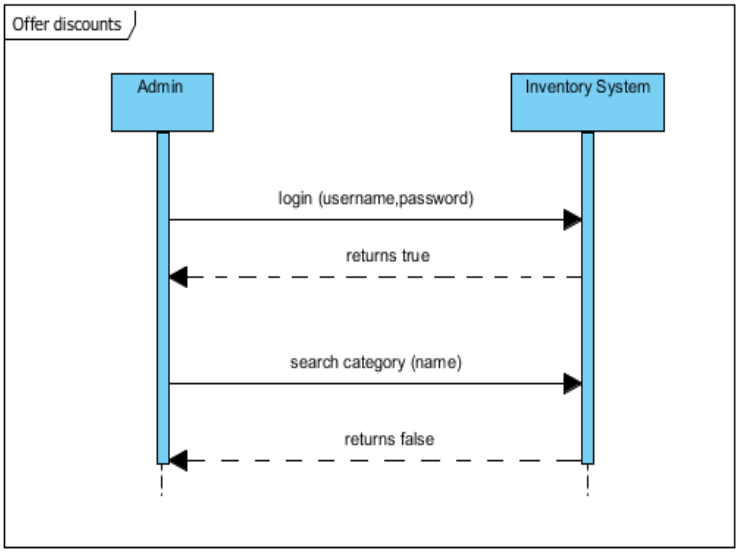
delete item

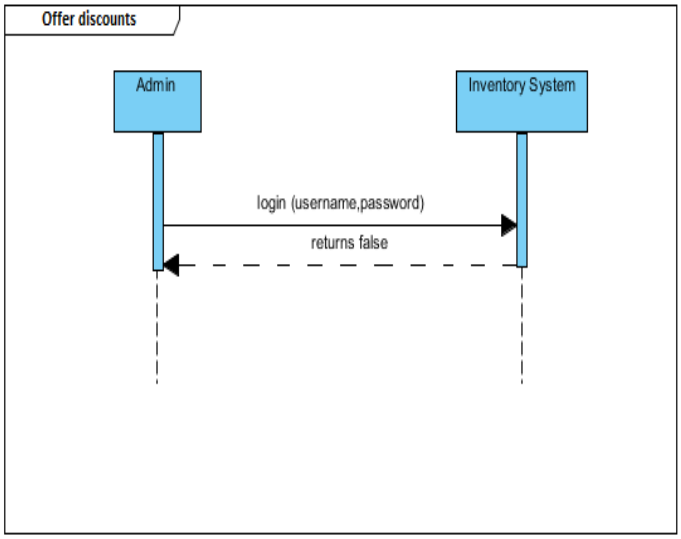


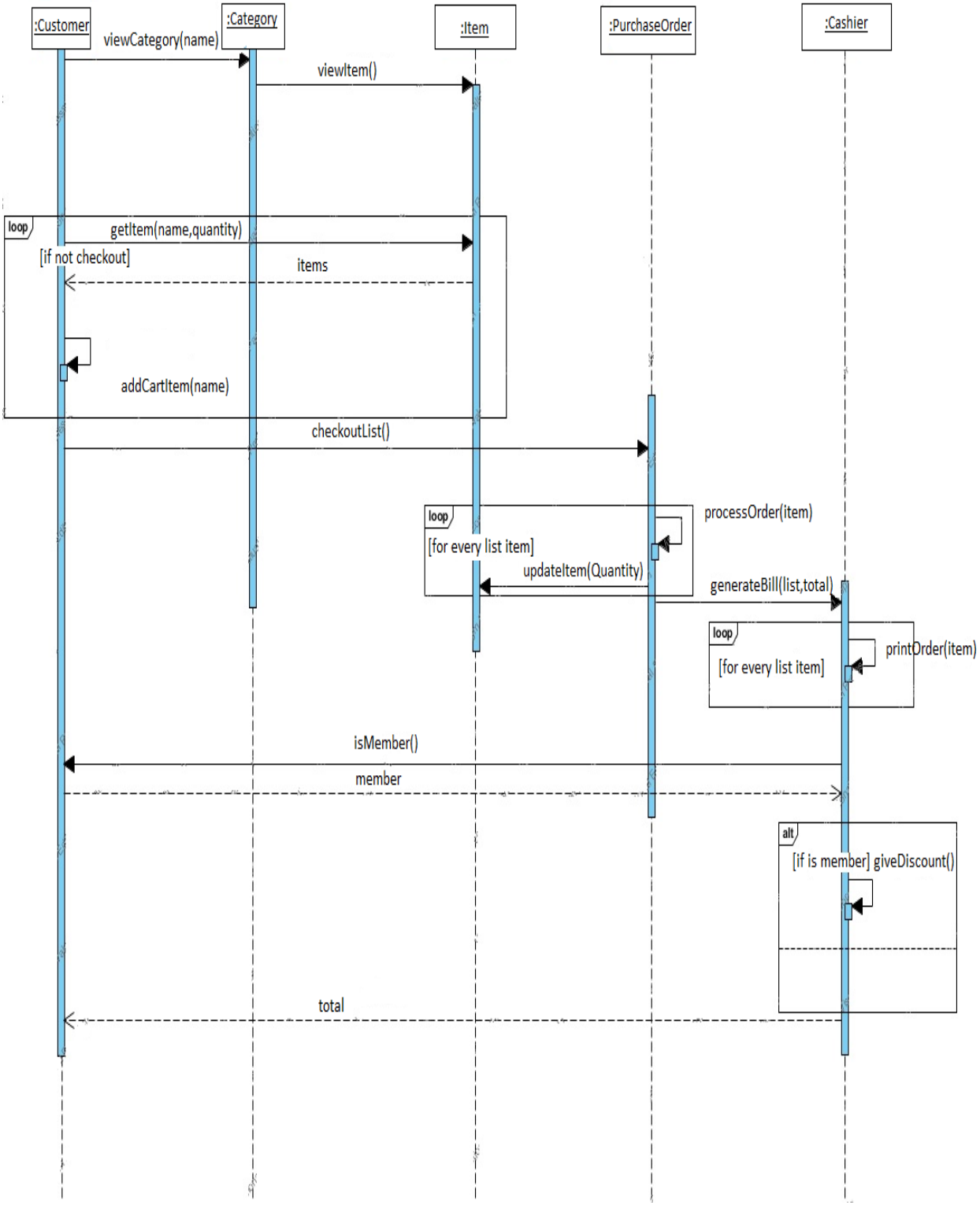

Offer discounts
Admin
Inventory System
login (username,password)
returns true
search category (name)
returns true
search item (name)
returns true
change price(new price)
updates stock


Offer discounts
Admin
Inventory System
login (username,password)
returns true
search category (name)
returns true
change category price(new price)
updates stock

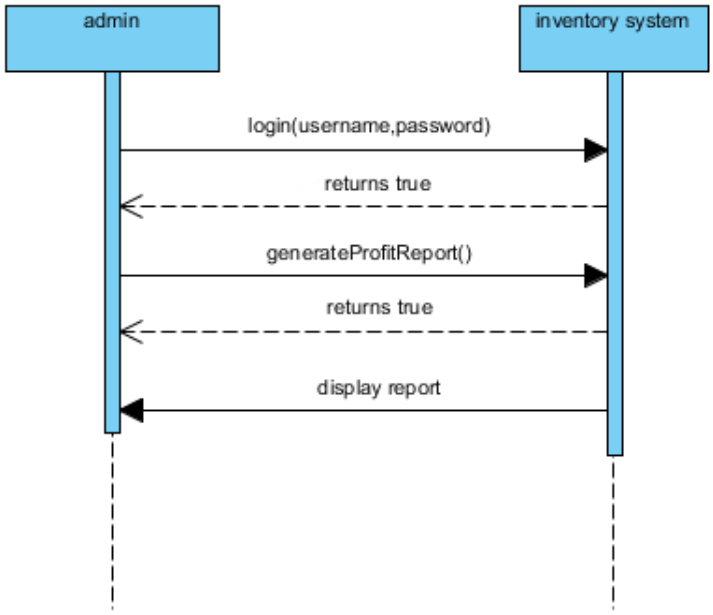

Offer discounts
Admin
Inventory System
login (username,password)
returns true
search category (name)
returns true
search item (name)
returns false


Offer discounts
Admin
Inventory System
login (username,password)
returns true
search category (name)
returns false

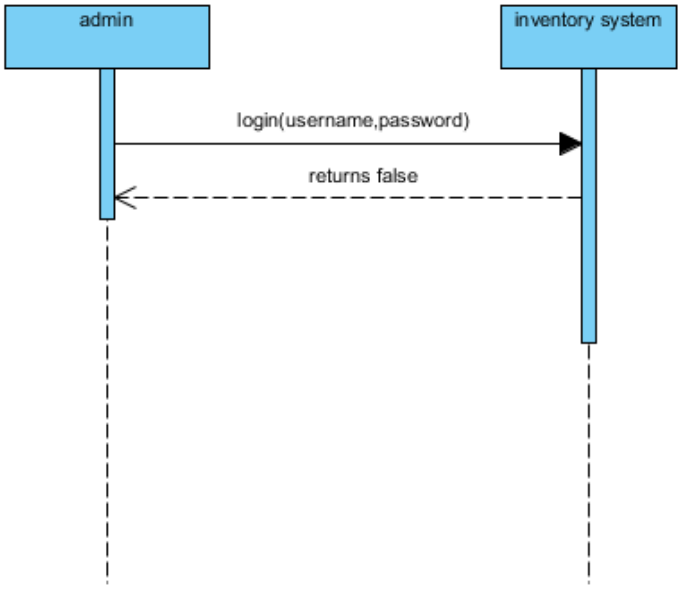

Offer discounts
Admin
Inventory System
login (username,password)
returns false


:Customer
:Category
:Item
:PurchaseOrder
:Cashier
viewCategory(name)
viewItem()
loop
getItem(name,quantity)
[if not checkout]
items
addCartItem(name)
checkoutList()
loop
[for every list item]
processOrder(item)
updateItem(Quantity)
generateBill(list,total)
loop
[for every list item]
printOrder(item)
isMember()
member
alt
[if is member] giveDiscount()
total

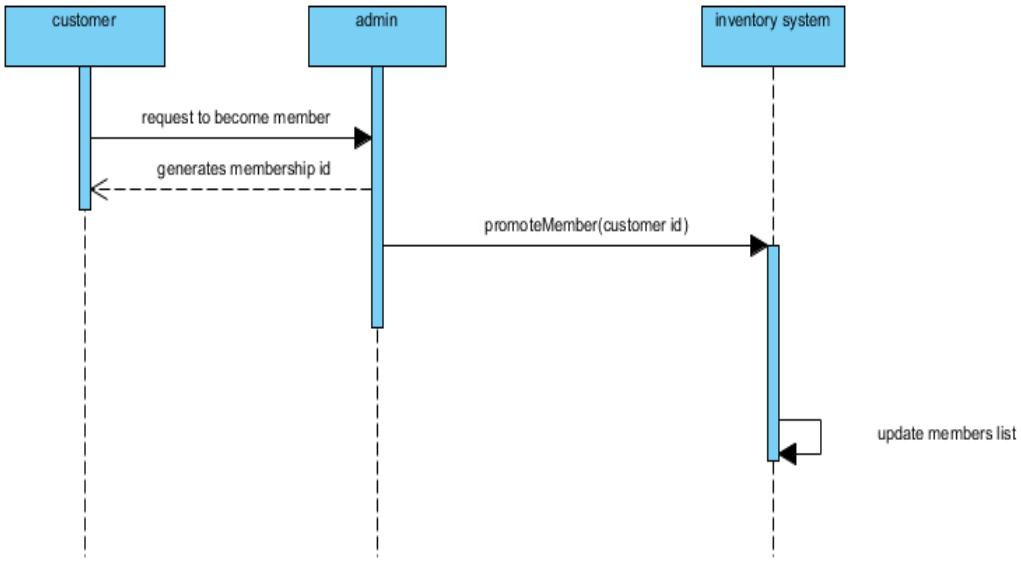
sd generate profit report



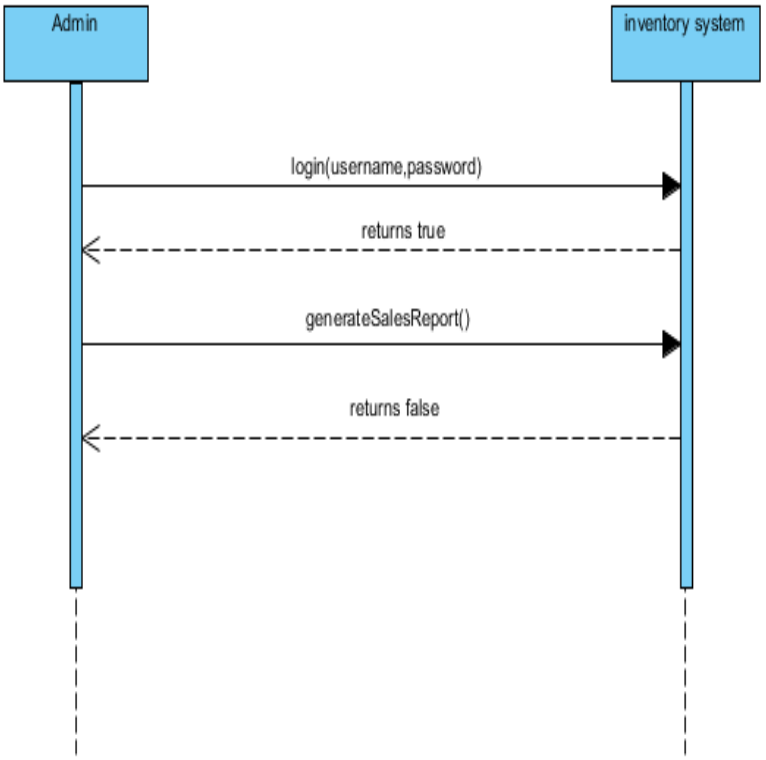
sd generate profit report

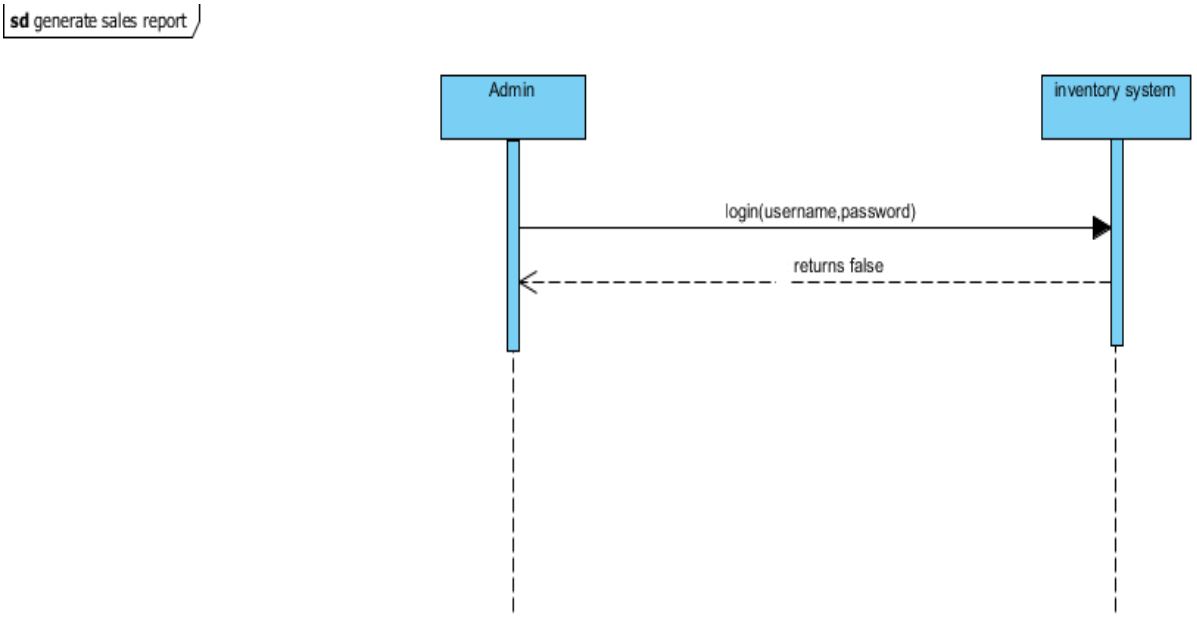


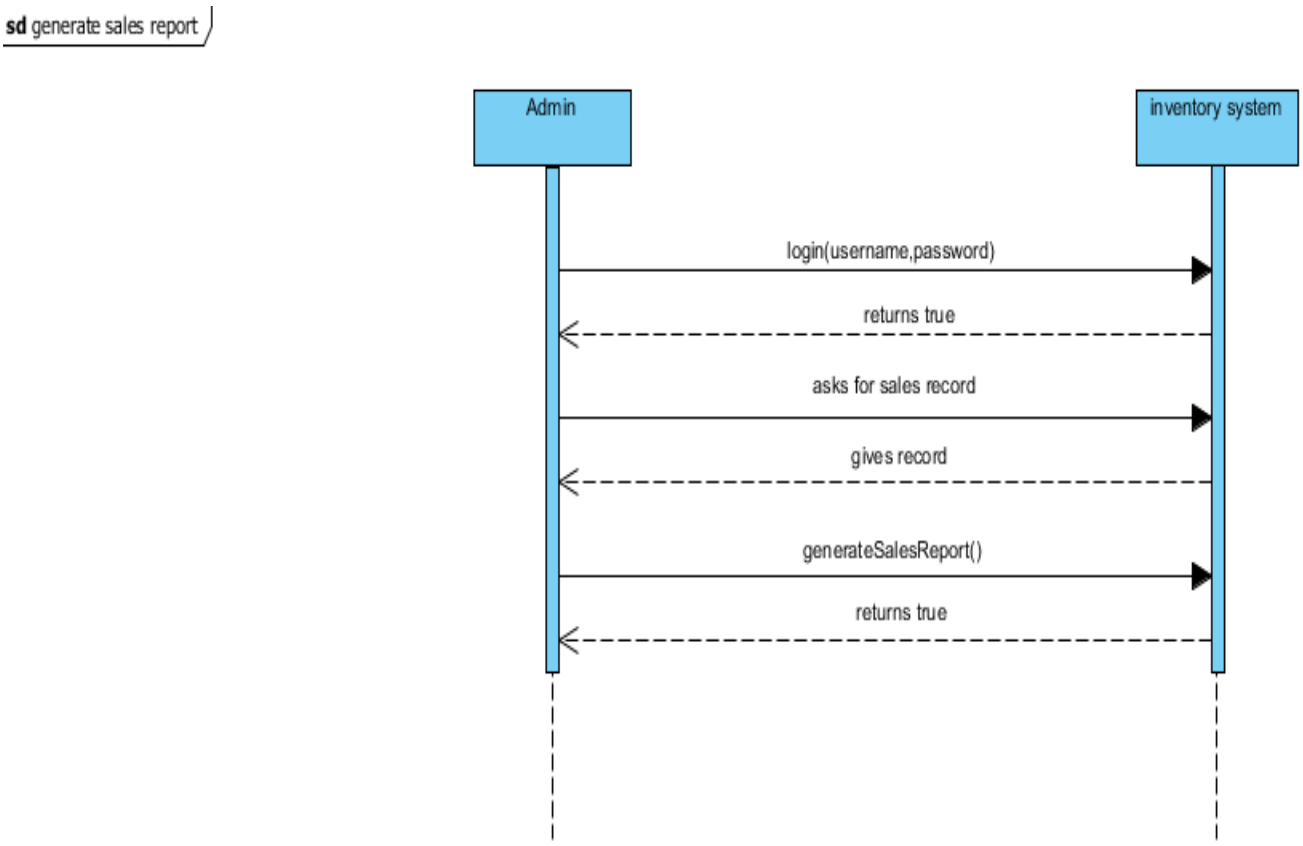
sd promote member

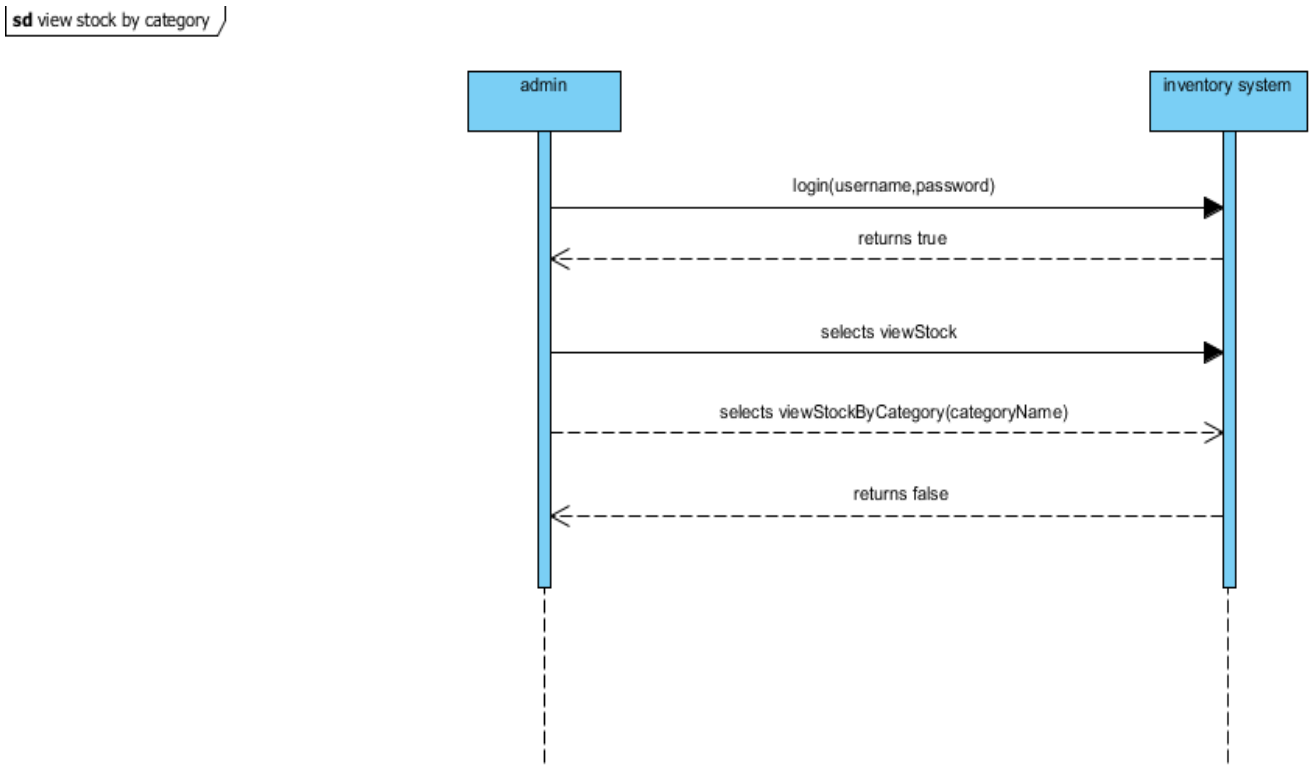


sd generate sales report

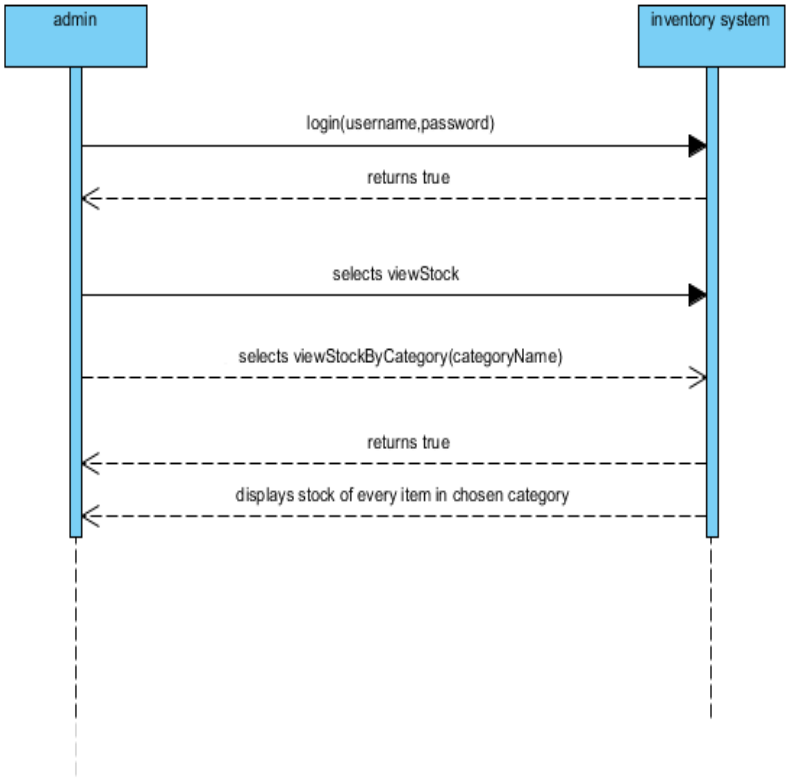



sd generate sales report
Admin
inventory system
login(username,password)
returns false

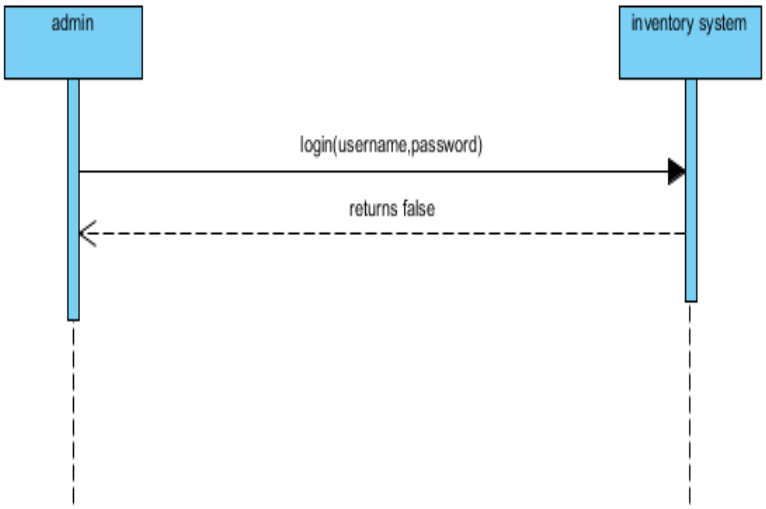

sd generate sales report
Admin
inventory system
login(username,password)
returns true
asks for sales record
gives record
generateSalesReport()
returns true


sd view stock by category
admin
inventory system
login(username,password)
returns true
selects viewStock
selects viewStockByCategory(categoryName)
returns false

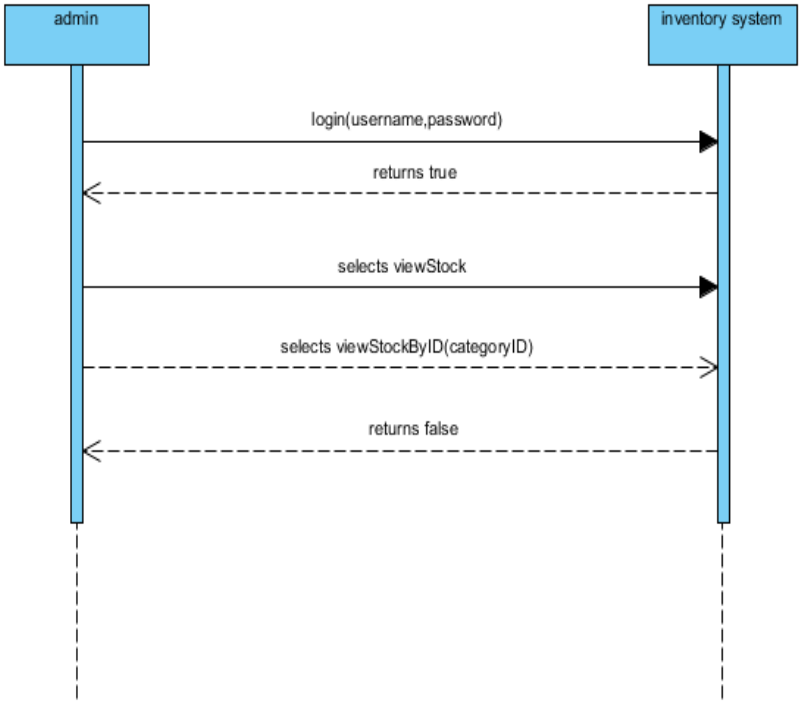
sd view stock by category



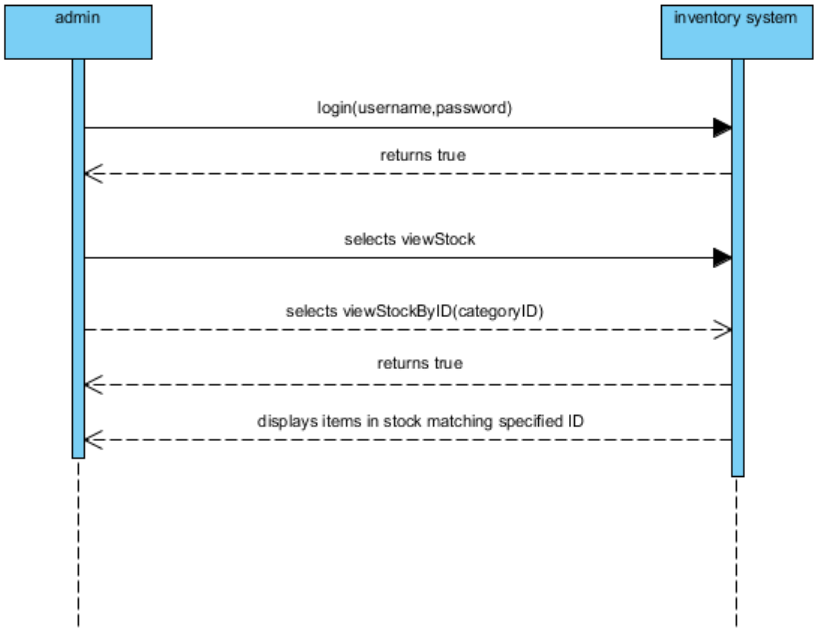
sd view stock by category



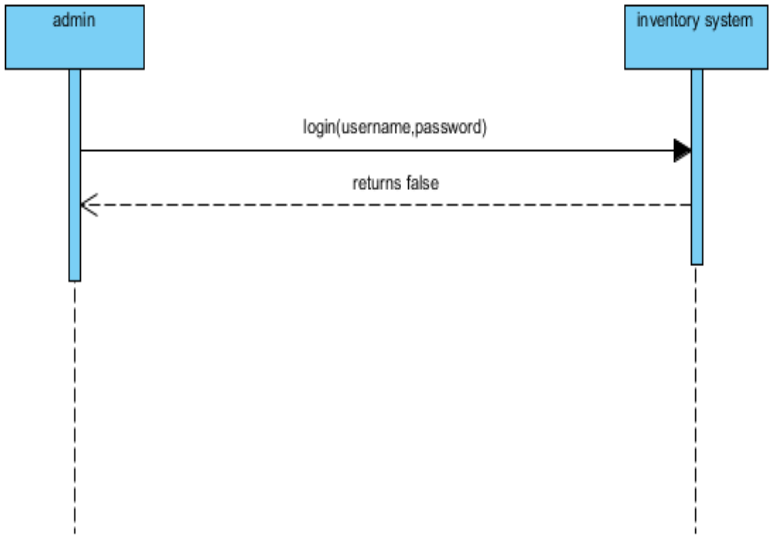
sd view stock by ID



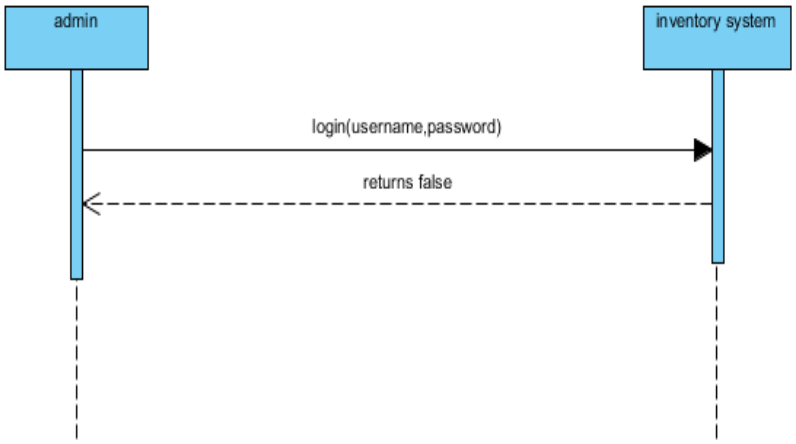
sd view stock by ID



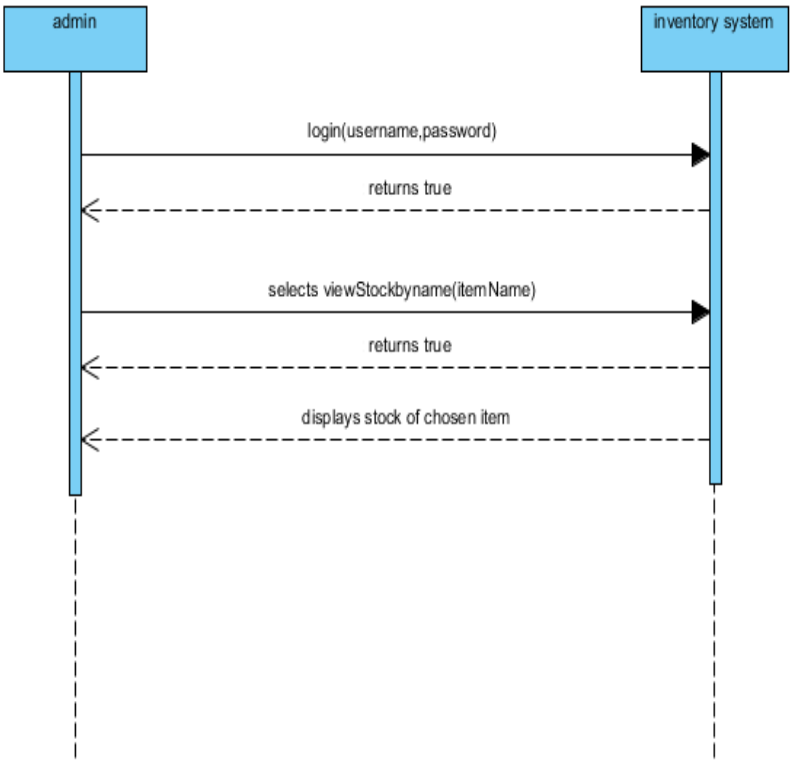
sd view stock by ID

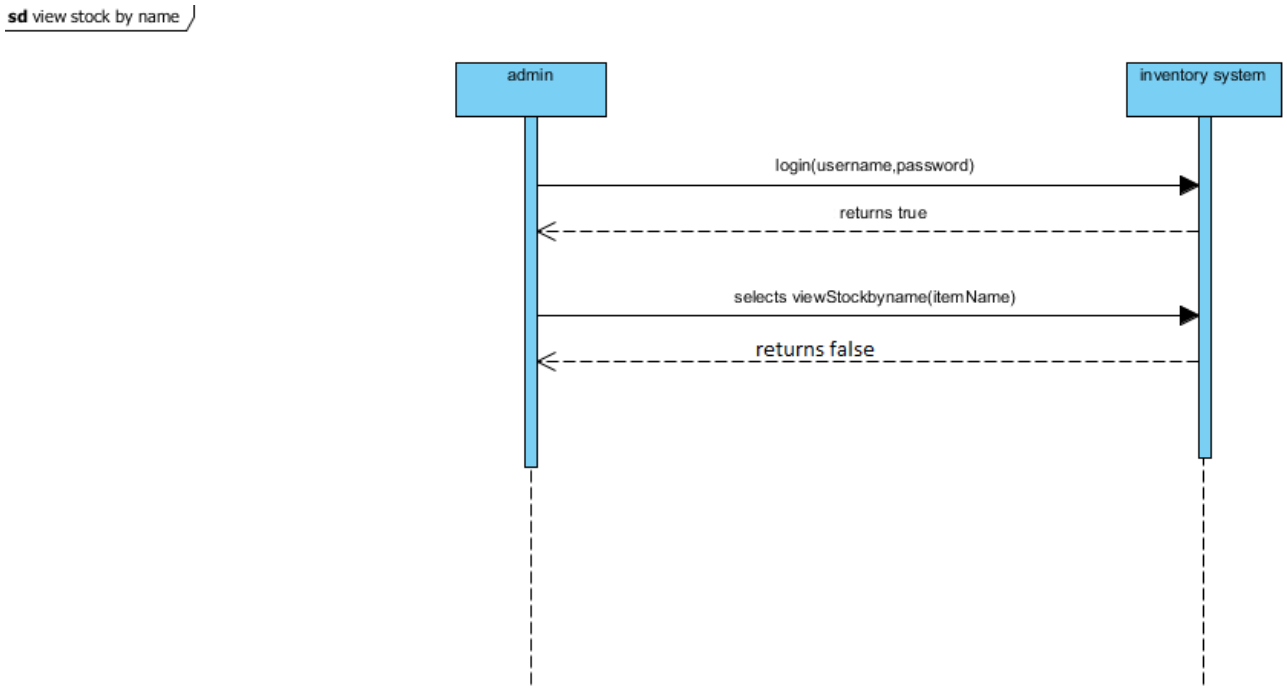


sd view stock by name

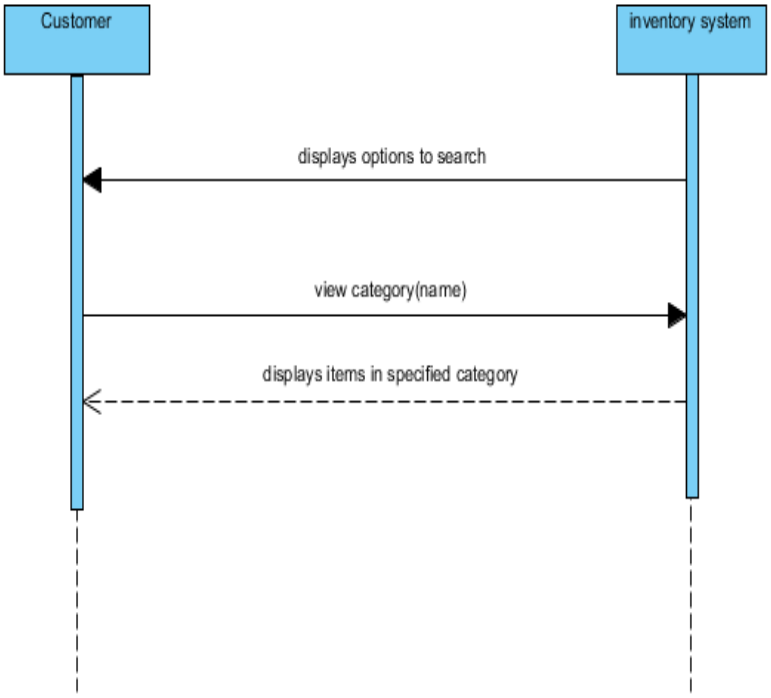


sd view stock by name

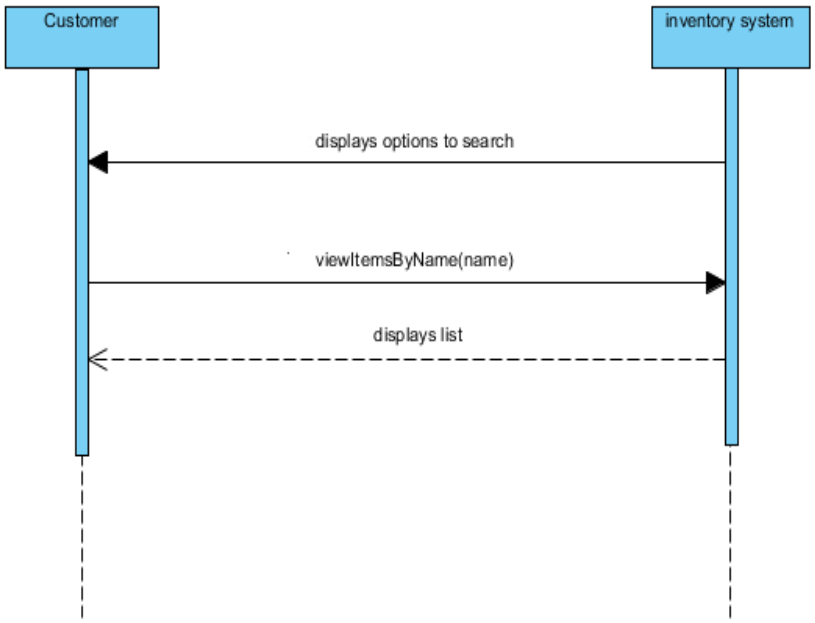



sd view stock by name
admin
inventory system
login(username,password)
returns true
selects viewStockbyname(itemName)
returns false

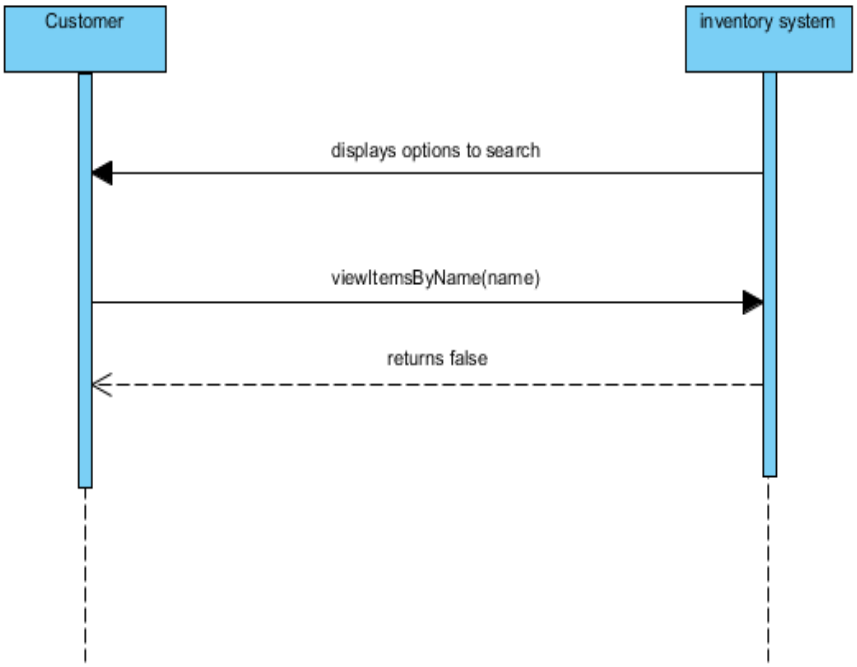
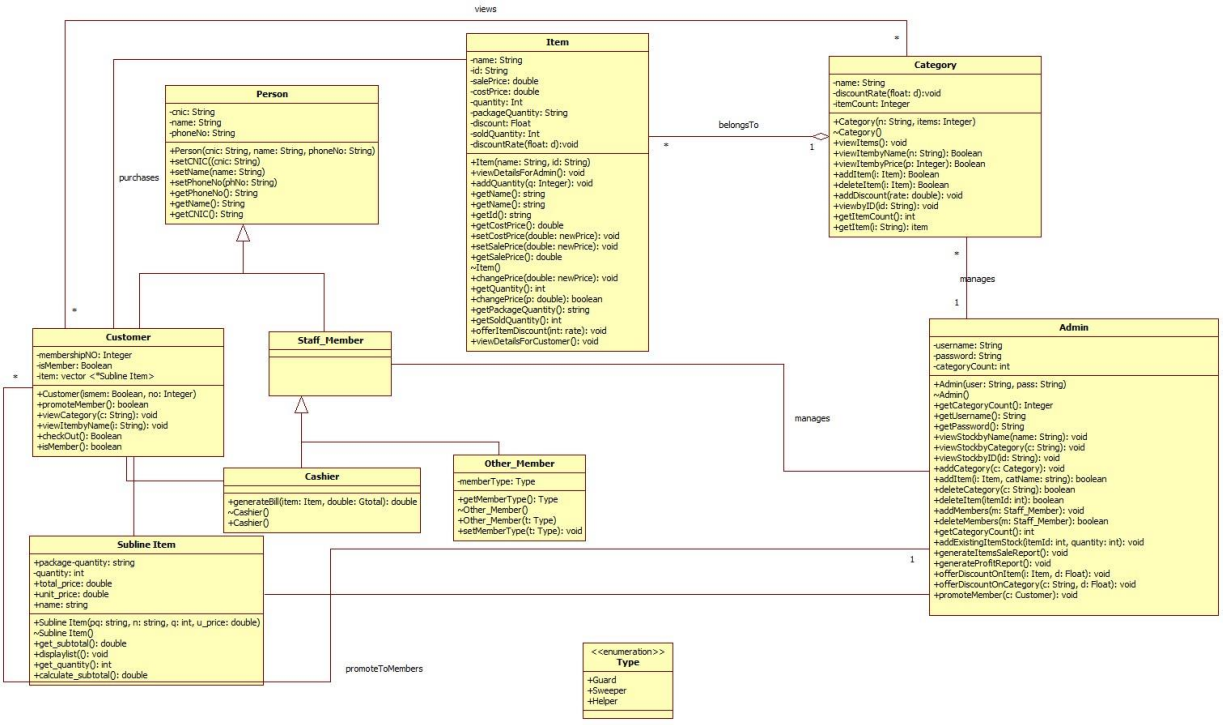
sd view category



sd view item by name



sd view item by name



Design Class Diagram