

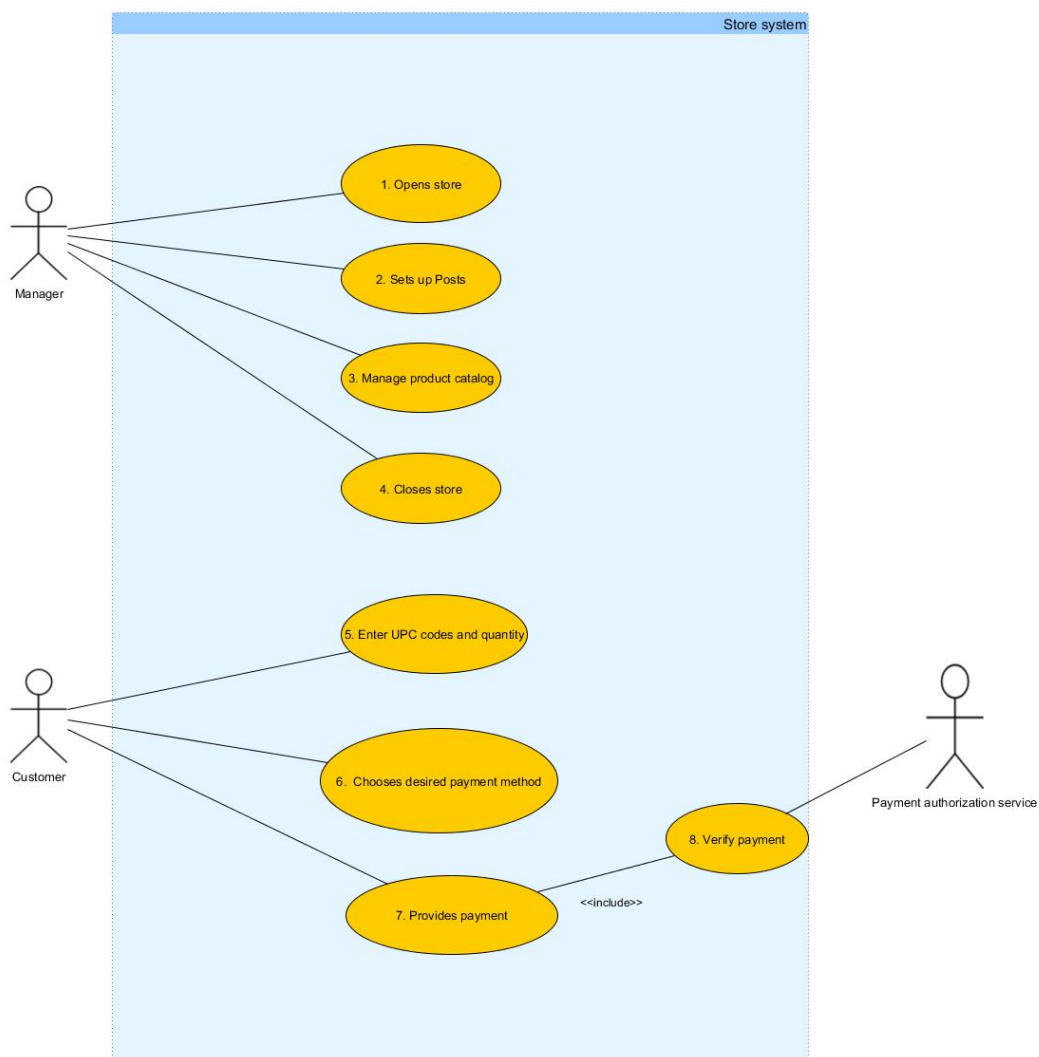
# UML-Diagrams

## Store system Use cases

### Use case actors

- A 'manager' is the person to open, close and manage the store.
- A 'customer' is someone to buy items in a Post.
- Secondary actor: The 'payment authorization service' is the service provided to verify any customer's payment method.

### Overview



## Use case description

<b>Use case #</b>	1
<b>Use case name</b>	Opens store
<b>Summary</b>	A manager opens the store
<b>Dependency</b>	
<b>Actor</b>	Manager
<b>Precondition</b>	Needs to be a manager and store is closed
<b>Description</b>	A manager opens the store so that customers can access it  User needs to be authorized as a manager
<b>Alternative</b>	
<b>Post condition</b>	Store is open

<b>Use case #</b>	2
<b>Use case name</b>	Sets up posts
<b>Summary</b>	A manager sets up the POSTs
<b>Dependency</b>	
<b>Actor</b>	Manager
<b>Precondition</b>	Needs to be a manager
<b>Description</b>	A manager sets up POSTs so they are ready for use  User needs to be authorized as a manager
<b>Alternative</b>	
<b>Post condition</b>	POSTs ready for use

<b>Use case #</b>	3
<b>Use case name</b>	Manages product catalog
<b>Summary</b>	A manager maintains the product catalog
<b>Dependency</b>	
<b>Actor</b>	Manager
<b>Precondition</b>	Needs to be a manager
<b>Description</b>	<p>A manager sets the product catalog</p> <p>A manager adds items to the product catalog</p> <p>A manager removes items from the product catalog</p> <p>User needs to be authorized as a manager</p>
<b>Alternative</b>	
<b>Post condition</b>	There is a product catalog

<b>Use case #</b>	4
<b>Use case name</b>	Closes store
<b>Summary</b>	A manager closes the store
<b>Dependency</b>	
<b>Actor</b>	Manager
<b>Precondition</b>	Needs to be a manager and store is open
<b>Description</b>	<p>A manager closes the store</p> <p>User needs to be authorized as a manager</p>
<b>Alternative</b>	

<b>Post condition</b>	Store is closed
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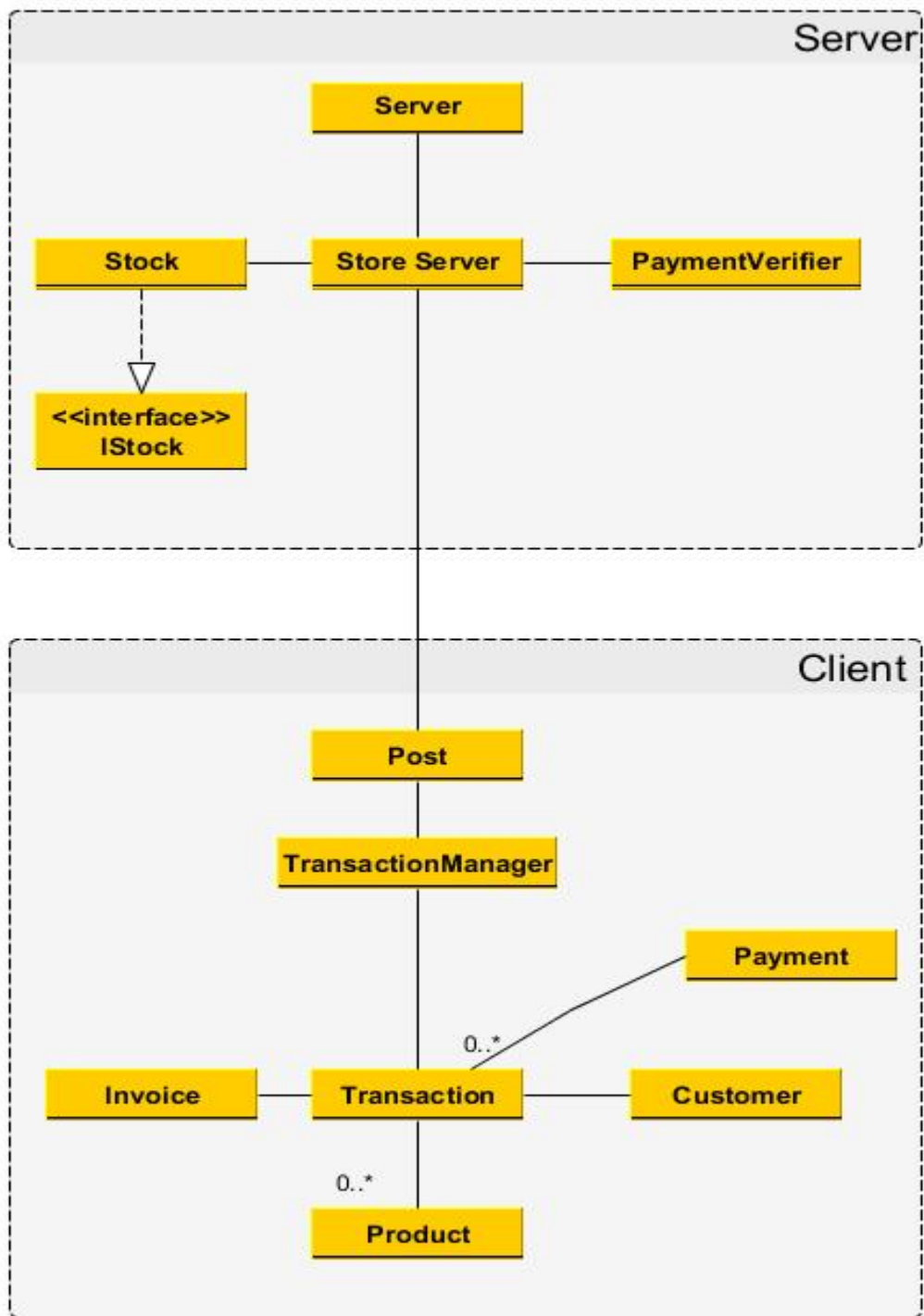
<b>Use case #</b>	5
<b>Use case name</b>	Enter UPC codes and quantity
<b>Summary</b>	A customer enters the desired UPC codes
<b>Dependency</b>	
<b>Actor</b>	Customer
<b>Precondition</b>	
<b>Description</b>	A customer enters the UPC codes and quantity of the desired products
<b>Alternative</b>	
<b>Post condition</b>	One or more items are added

<b>Use case #</b>	6
<b>Use case name</b>	Chooses desired payment method
<b>Summary</b>	A customer chooses the desired payment method
<b>Dependency</b>	
<b>Actor</b>	Customer
<b>Precondition</b>	
<b>Description</b>	A customer chooses to pay with cash, credit card or check
<b>Alternative</b>	
<b>Post condition</b>	Payment method has been chosen

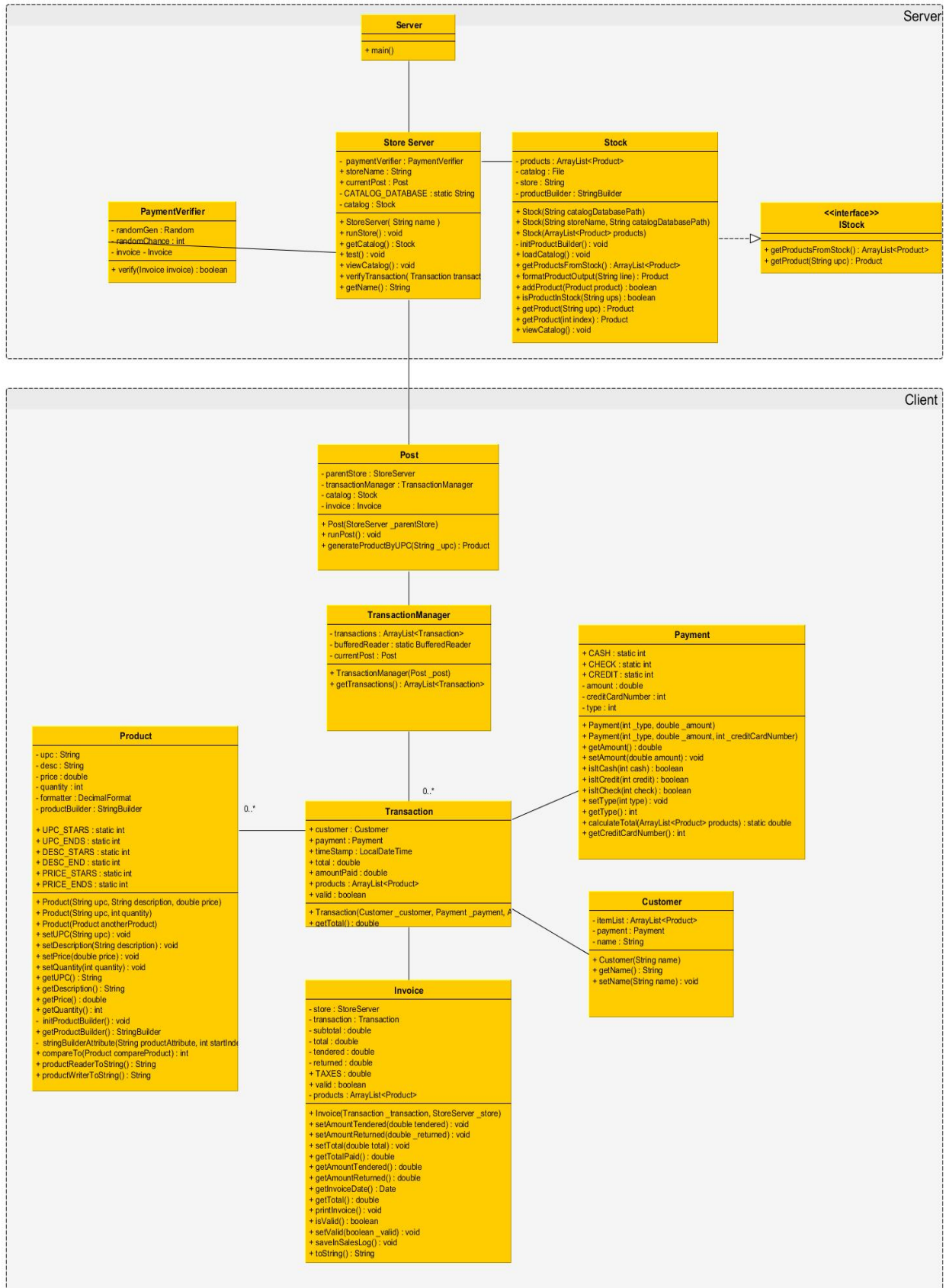
<b>Use case #</b>	7
<b>Use case name</b>	Provides payment
<b>Summary</b>	A customer provides the required payment
<b>Dependency</b>	A payment method is selected
<b>Actor</b>	Customer
<b>Precondition</b>	Payment is required
<b>Description</b>	A customer provides payment in the form of cash, credit card or check, specified in use case 6
<b>Alternative</b>	
<b>Post condition</b>	Sufficient payment is provided

<b>Use case #</b>	8
<b>Use case name</b>	Verify payment
<b>Summary</b>	Verifies the payment method provided
<b>Dependency</b>	
<b>Actor</b>	Authorization service
<b>Precondition</b>	Customer chooses credit or check
<b>Description</b>	The authorization service verifies the payment method Payment method gets verified
<b>Alternative</b>	Verification not given due to insufficient funds
<b>Post condition</b>	Payment is verified

## Class diagrams

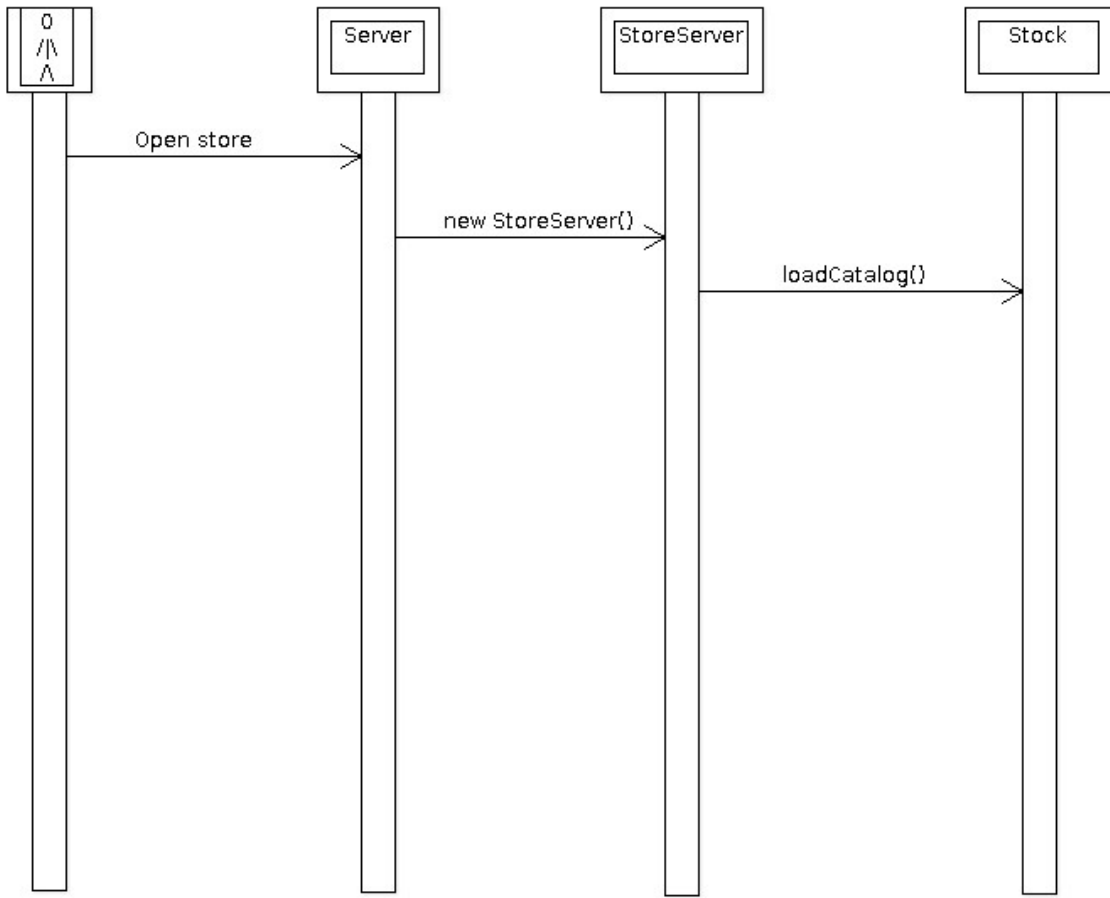


*Collapsed class diagram*



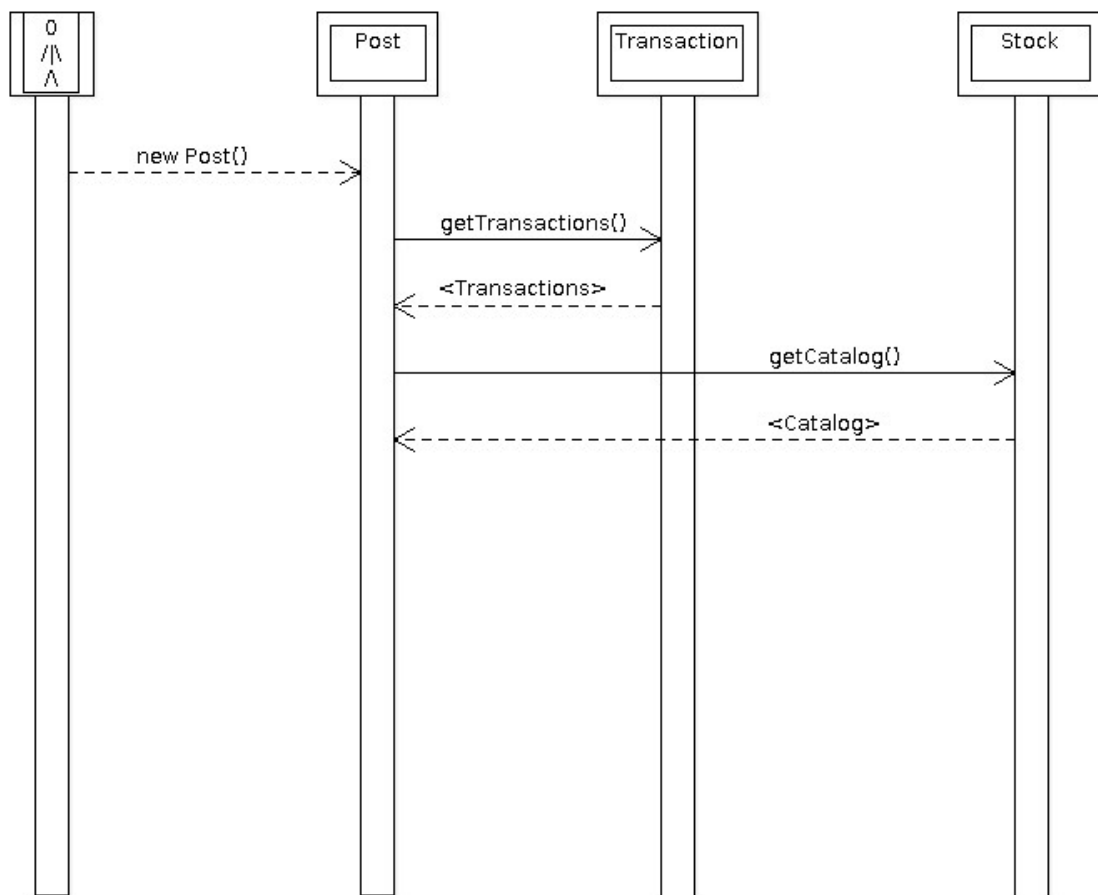
## Sequence Diagrams

Open store

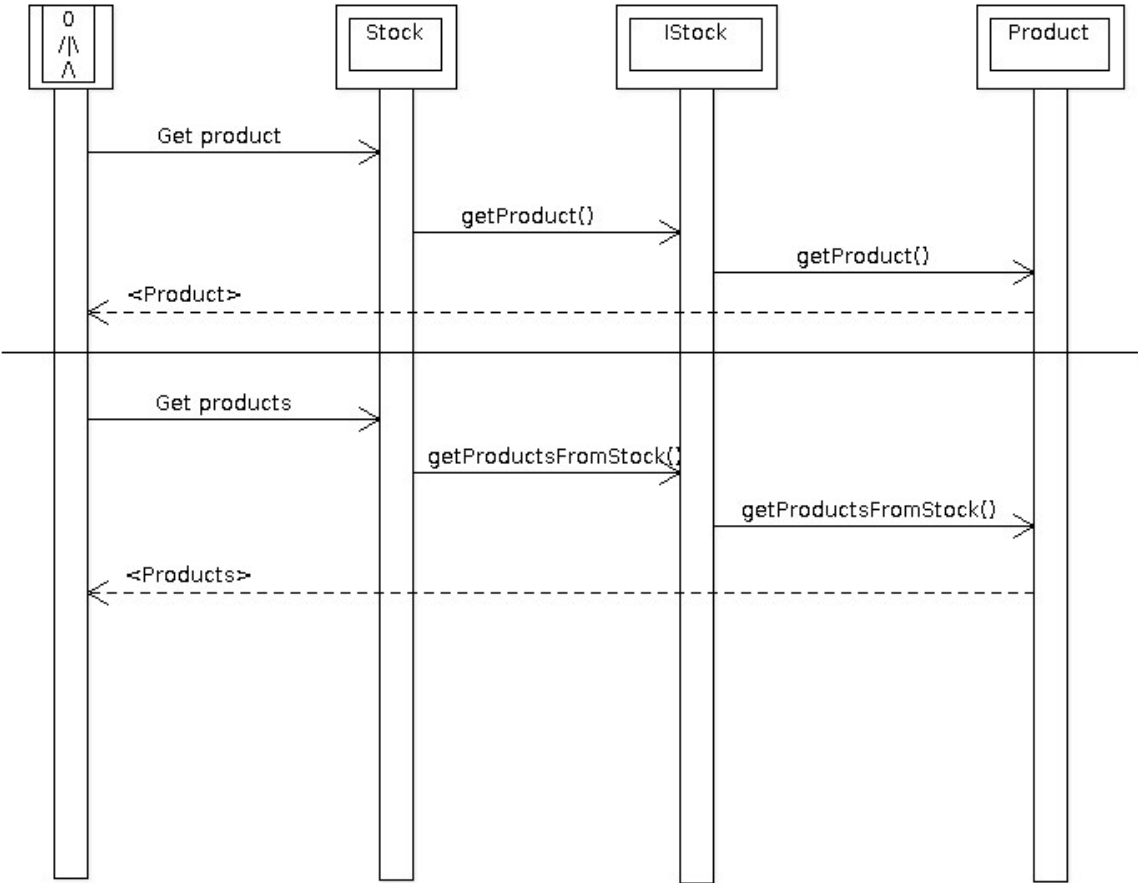




Start post



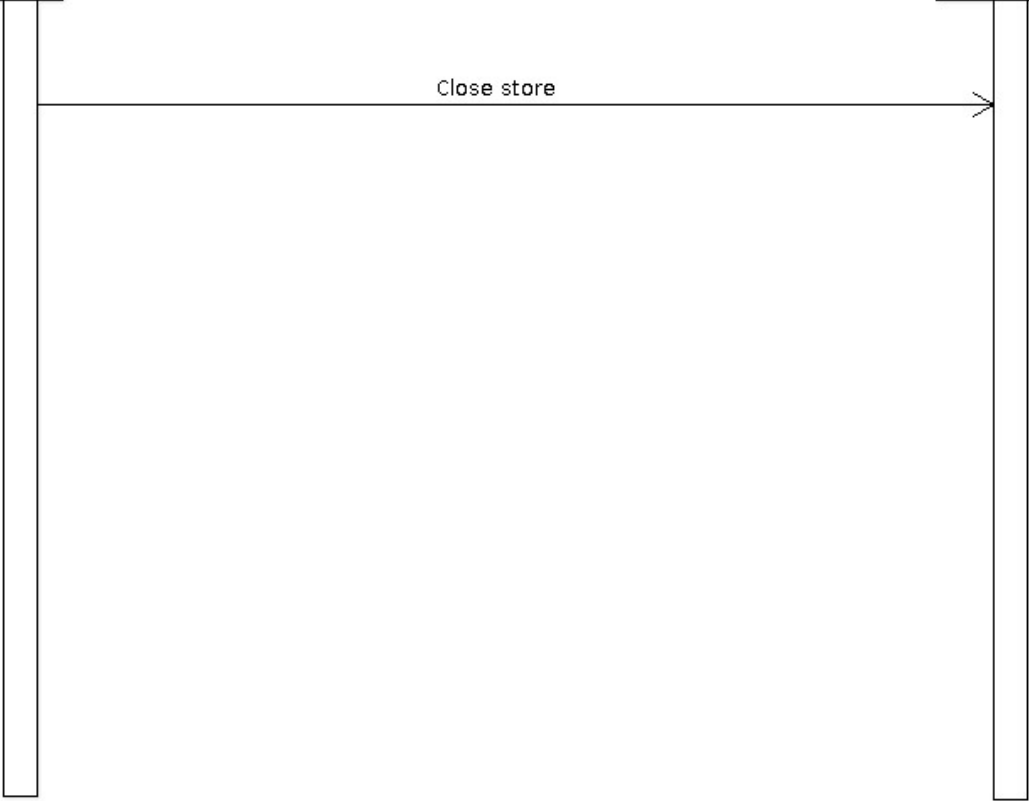
Manage product catalog



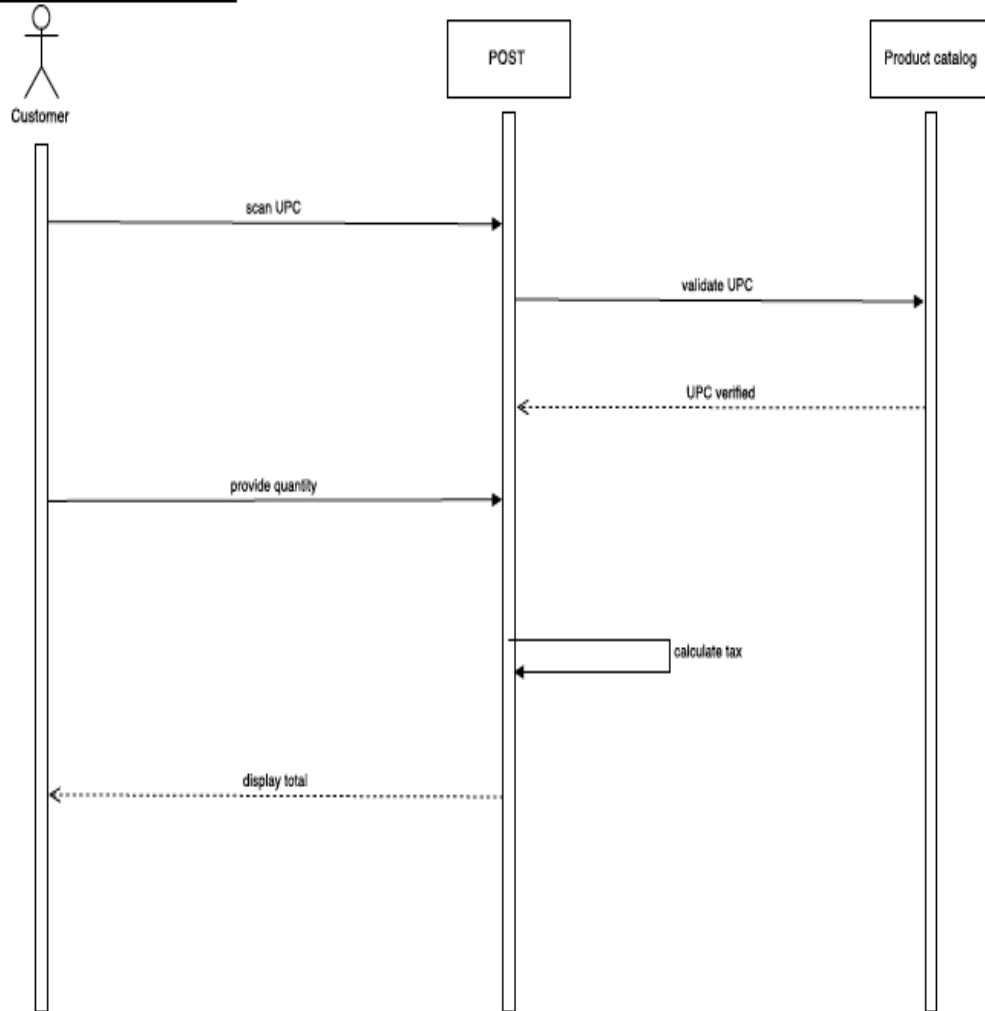
Close store



Close store



# Customer's Transaction



# Payment

