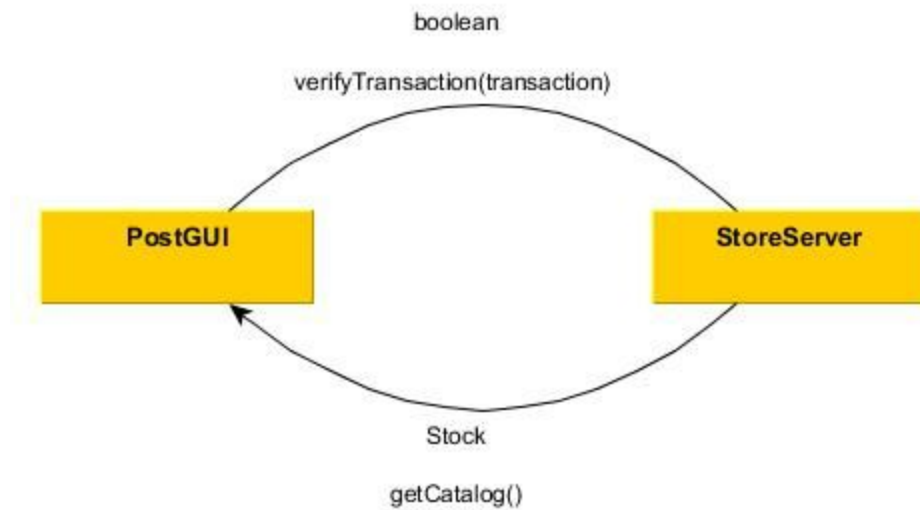


RMI Client-Server Implementation

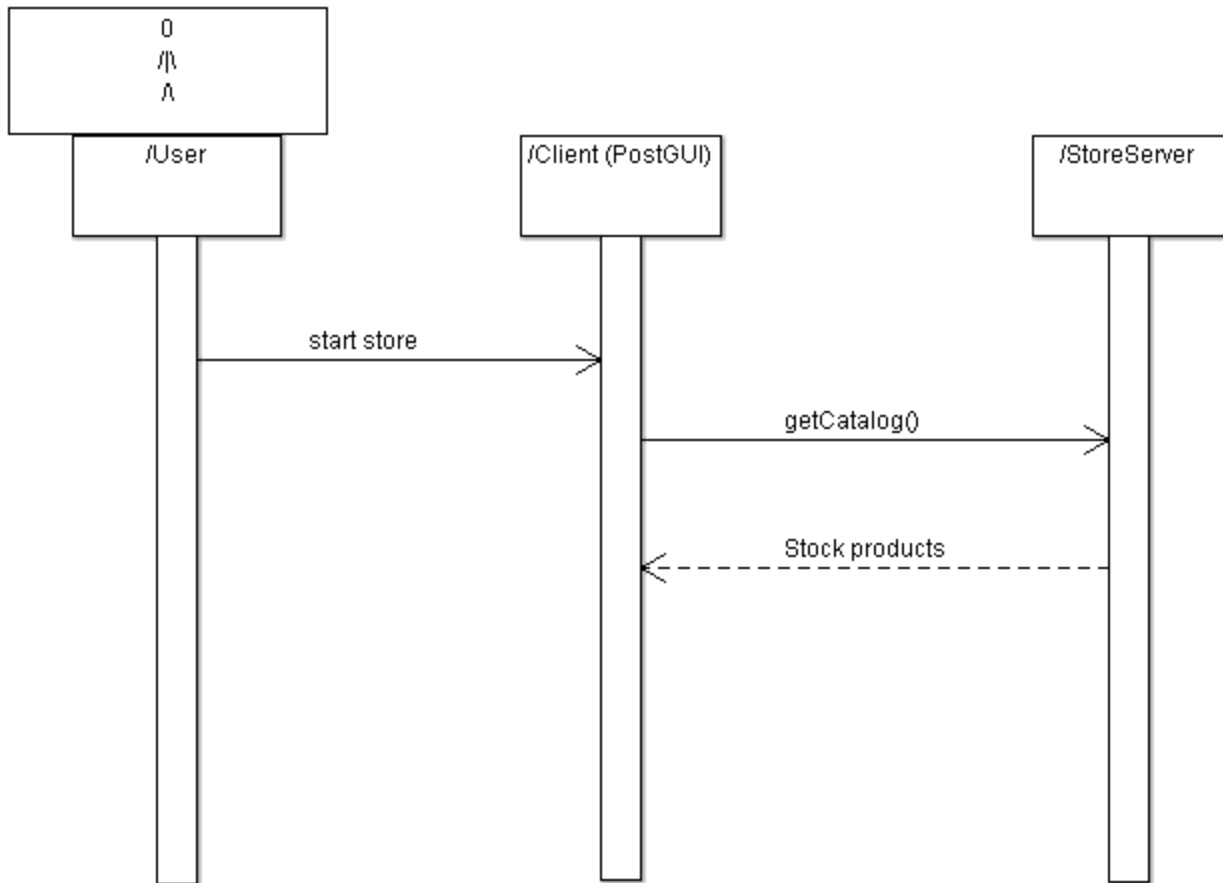
Main Objects shipped from Server(Store) to Client(Post)	Main Objects shipped from Client to Server
Stock	Transaction

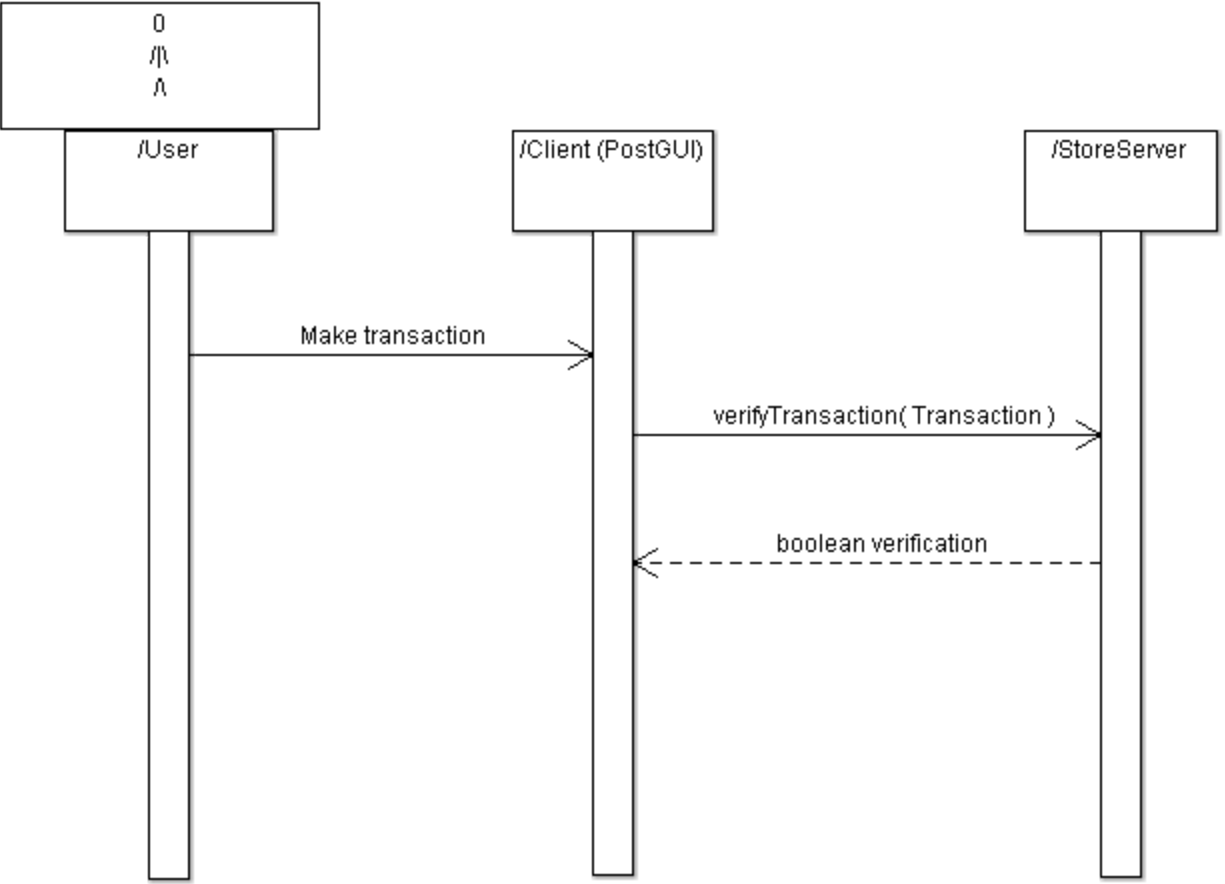
Objects on Client(PostGUI)	Objects on Server(Store Server)	Comments
Stock	Stock	Server sends a copy of the product catalog to Client
Transaction	Transaction	Client sends transaction details to the server

Collaboration between remote objects

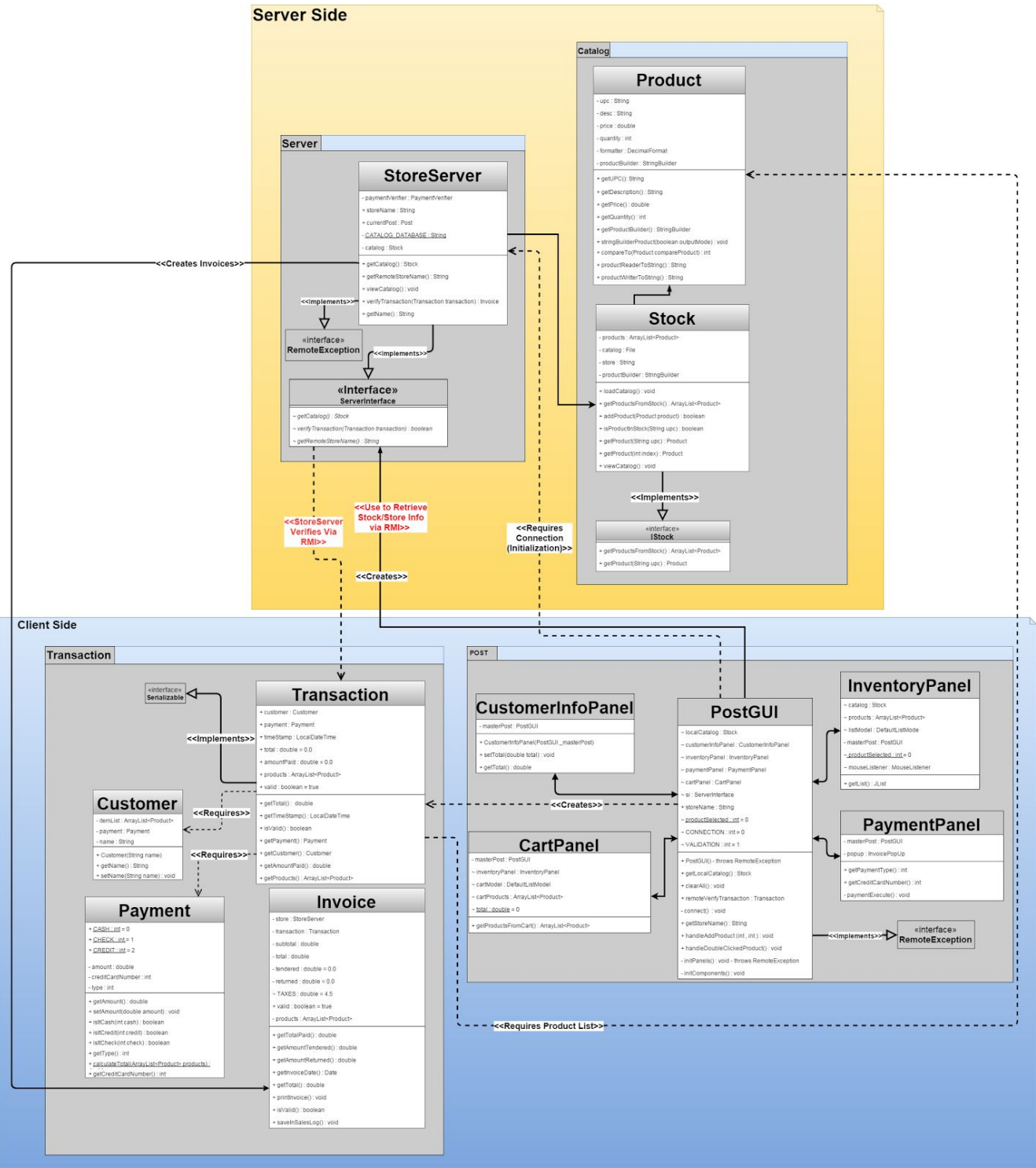


Sequence diagrams



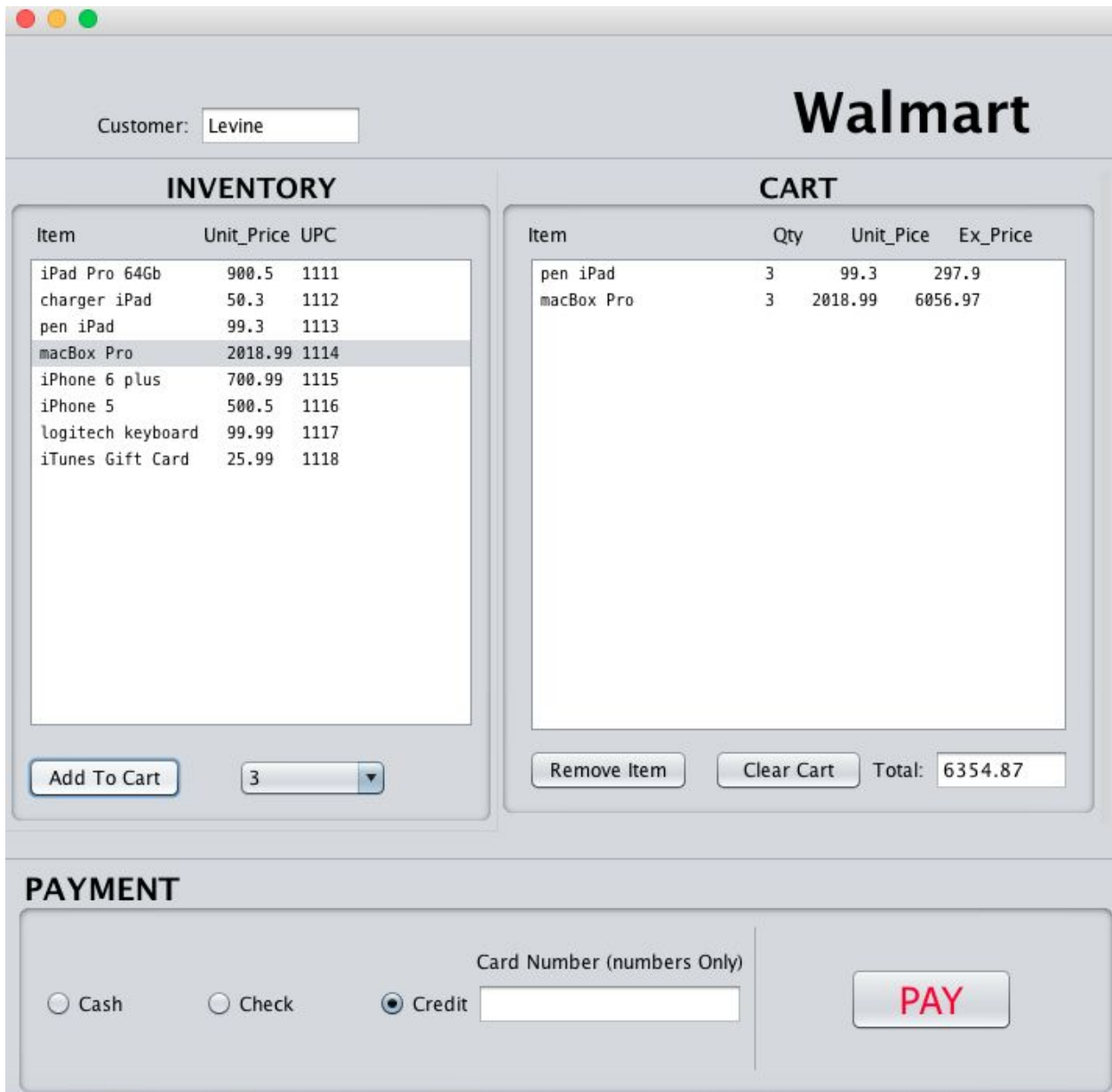


Class Diagram



Screenshots

1. Adding the items from inventory to cart. Customer can select items from the inventory list and add to cart list.



A screenshot of a Walmart checkout interface. The window has a title bar with red, yellow, and green buttons. The main header area contains the Walmart logo on the right and a customer name field labeled 'Customer: Levine' on the left. Below the header, the interface is divided into three main sections: INVENTORY, CART, and PAYMENT.

INVENTORY

Item	Unit_Price	UPC
iPad Pro 64Gb	900.5	1111
charger iPad	50.3	1112
pen iPad	99.3	1113
macBox Pro	2018.99	1114
iPhone 6 plus	700.99	1115
iPhone 5	500.5	1116
logitech keyboard	99.99	1117
iTunes Gift Card	25.99	1118

Below the inventory table is an 'Add To Cart' button and a quantity selector showing '3'.

CART

Item	Qty	Unit_Pice	Ex_Price
pen iPad	3	99.3	297.9
macBox Pro	3	2018.99	6056.97

Below the cart table are buttons for 'Remove Item' and 'Clear Cart', and a 'Total: 6354.87' display.

PAYMENT

Payment options are listed with radio buttons: Cash, Check, and Credit (selected). To the right of the Credit option is a text field labeled 'Card Number (numbers Only)'. A large red 'PAY' button is located to the right of the card number field.

2. Customer can select the items from inventory list along with the quantity using the dropdown.

The image shows a web application interface for Walmart. At the top, there's a header with the Walmart logo and a customer name field set to 'Levine'. Below this, the interface is divided into three main sections: INVENTORY, CART, and PAYMENT.

INVENTORY

Item	Unit_Price	UPC
iPad Pro 64Gb	900.5	1111
charger iPad	50.3	1112
pen iPad	99.3	1113
macBox Pro	2018.99	1114
iPhone 6 plus	700.99	1115
iPhone 5	500.5	1116
logitech keyboard	99.99	1117
iTunes Gift Card	25.99	1118

Below the inventory table is an 'Add To Cart' button. A dropdown menu is open, showing a list of quantities from 1 to 8, with '1' selected.

CART

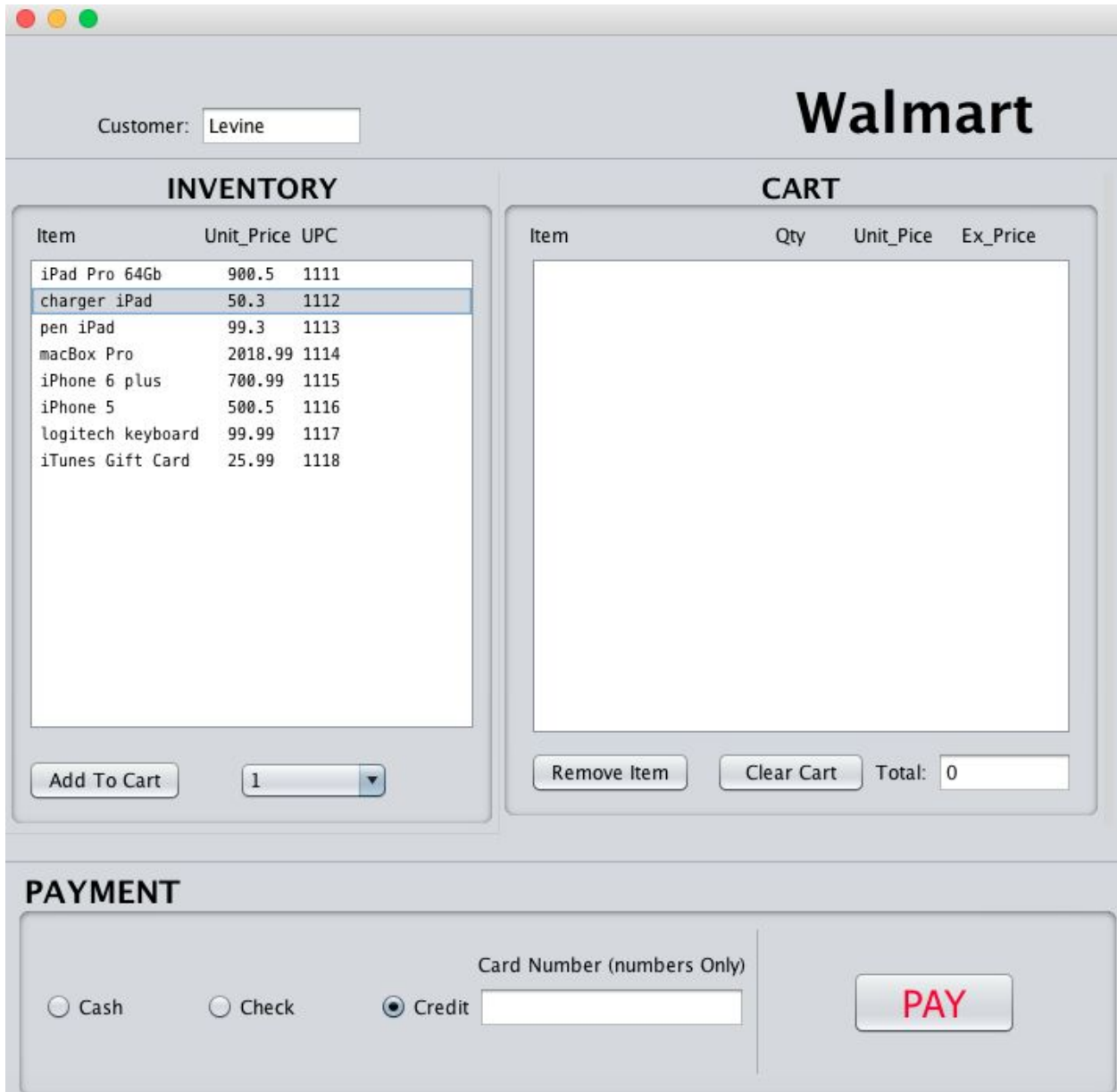
Item	Qty	Unit_Pice	Ex_Price
------	-----	-----------	----------

Below the cart table are buttons for 'Remove Item' and 'Clear Cart', and a 'Total: 0' display.

PAYMENT

There are two radio buttons for payment method: 'Cash' and 'Credit'. The 'Credit' option is selected. To the right of the radio buttons is a text input field labeled 'Card Number (numbers Only)'. A 'PAY' button is located to the right of the card number field.

3. We can clear the cart list using the clear cart button.



A screenshot of a Walmart shopping cart application. The interface is divided into three main sections: INVENTORY, CART, and PAYMENT. The INVENTORY section lists various Apple products and accessories with their unit prices and UPCs. The CART section is currently empty, showing only column headers. The PAYMENT section includes radio buttons for Cash, Check, and Credit, a text field for the Card Number, and a prominent red PAY button.

Customer:

Walmart

INVENTORY

Item	Unit_Price	UPC
iPad Pro 64Gb	900.5	1111
charger iPad	50.3	1112
pen iPad	99.3	1113
macBox Pro	2018.99	1114
iPhone 6 plus	700.99	1115
iPhone 5	500.5	1116
logitech keyboard	99.99	1117
iTunes Gift Card	25.99	1118

CART

Item	Qty	Unit_Pice	Ex_Price
------	-----	-----------	----------

Total:

PAYMENT

☐ Cash ☐ Check ☒ Credit

Card Number (numbers Only)

4. Once the cart items are finalised, the customer can select the mode of payment which is cash, card or credit.

Customer:

Walmart

INVENTORY

Item	Unit_Price	UPC
iPad Pro 64Gb	900.5	1111
charger iPad	50.3	1112
pen iPad	99.3	1113
macBox Pro	2018.99	1114
iPhone 6 plus	700.99	1115
iPhone 5	500.5	1116
logitech keyboard	99.99	1117
iTunes Gift Card	25.99	1118

CART

Item	Qty	Unit_Pice	Ex_Price
pen iPad	3	99.3	297.9
macBox Pro	3	2018.99	6056.97
iPhone 5	6	500.5	3003.0

Total:

PAYMENT

☐ Cash ☐ Check ☒ Credit

Card Number (numbers Only)

5. After selecting the mode of payment, click on “PAY” to get the invoice.

Customer:

Walmart

INVENTORY

Item	Unit_Price	UPC
iPad Pro 64Gb	900.5	1111
charger iPad	50.3	1112
pen iPad	99.3	1113
macBox Pro	2018.99	
iPhone 6 plus	700.5	
iPhone 5	500.5	
logitech keyboard	99	
iTunes Gift Card	25	

Add To Cart

6

CART

Item	Qty	Unit_Pice	Ex_Price
------	-----	-----------	----------

Remove Item

Clear Cart

Total: 0

Invoice

Walmart Fri Feb 26 18:46:50 PST 2016

Levine

pen iPad 3 @ 99.3 \$ 297.90

macBox Pro 3 @ 2018.99 \$ 6056.97

iPhone 5 6 @ 500.5 \$ 3003.00

Total \$ 9357.87

Amount Tendered \$ 9357.87

Amount returned \$ 0.00

PAYMENT

☐ Cash ☐ Check ☒ Credit

Card Number (numbers Only)

PAY

6. An error message to show that the credit card number is invalid.

Customer:

Walmart


INVENTORY

Item	Unit_Price	UPC
iPad Pro 64Gb	900.5	1111
charger iPad	50.3	1112
pen iPad	99.3	1113
macBox Pro	2018.99	1114
iPhone 6 plus	700.99	1115
iPhone 5	500.5	1116
logitech keyboard	99.99	1117
iTunes Gift Card	25.99	1118

CART

Item	Qty	Unit_Pice	Ex_Price
pen iPad	3	99.3	297.9
macBox Pro	3	2018.99	6056.97
iPhone 5	6	500.5	3003.0

Payment Error

 Invalid Credit Card Number

OK

Add To Cart

Remove Item

Clear Cart

Total:

PAYMENT

☐ Cash

☐ Check

☒ Credit

Card Number (numbers Only)

PAY

7. If the server is offline, then an error message is shown.

