

Name: Victoria Ten

Course: CNT 4714 – Spring 2024

Assignment title: Project 1 – An Event-driven Enterprise Simulation

Date: Sunday, January 28, 2024

a. The initial GUI instance.

The screenshot shows a web application window titled "v10.com". The interface is divided into several sections:

- Input Section (Dark Blue Header):** Contains four input fields with labels:
  - "Enter item ID for Item #1:"
  - "Enter quantity for Item #1:"
  - "Details for Item #1:" (in blue text)
  - "Current Subtotal for 0 item(s):" (in orange text)
- Message Section (Yellow Background):** Displays the text "Your Shopping Cart Is Empty".
- USER CONTROLS (Orange Background):** A section containing a grid of buttons:

USER CONTROLS	
Find Item #1	Add Item #1 To Cart
View Cart	Check Out
Empty Cart - Start A New Order	Exit (Close App)

b. The GUI after the user has entered an item number (ID) and quantity and clicked the “Find Item #” button.

v10.com

Enter item ID for Item #1: 14

Enter quantity for Item #1: 1

Details for Item #1: 14 "Stanley #2 Philips Screwdriver" \$6.95 1 0% \$6.95

Current Subtotal for 0 item(s):

Your Shopping Cart Is Empty

USER CONTROLS

Find Item #1 Add Item #1 To Cart

View Cart Check Out

Empty Cart - Start A New Order Exit (Close App)

c. The GUI after the user has added an item from screenshot (b) above but before searching for the next item.

v10.com

Enter item ID for Item #2:

Enter quantity for Item #2:

Details for Item #1: 14 "Stanley #2 Philips Screwdriver" \$6.95 1 0% \$6.95

Current Subtotal for 1 item(s): \$6.95

**Your Shopping Cart Is Empty**

Item 1 - SKU: 14, Desc: "Stanley #2 Philips Screwdriver", Price Es. \$6.95, Qty: 1, Total: \$6.95

**USER CONTROLS**

Find Item #2	Add Item #2 To Cart
View Cart	Check Out
Empty Cart - Start A New Order	Exit (Close App)

d. The GUI after the user has searched for the next item after the one in (b) above was added to the cart, but before adding this new item to the cart.

v10.com

Enter item ID for Item #2: 339921

Enter quantity for Item #2: 1

Details for Item #2: 339921 "Yamaha KT 100 kart engine" \$950.00 1 0% \$950.00

Current Subtotal for 1 item(s): \$6.95

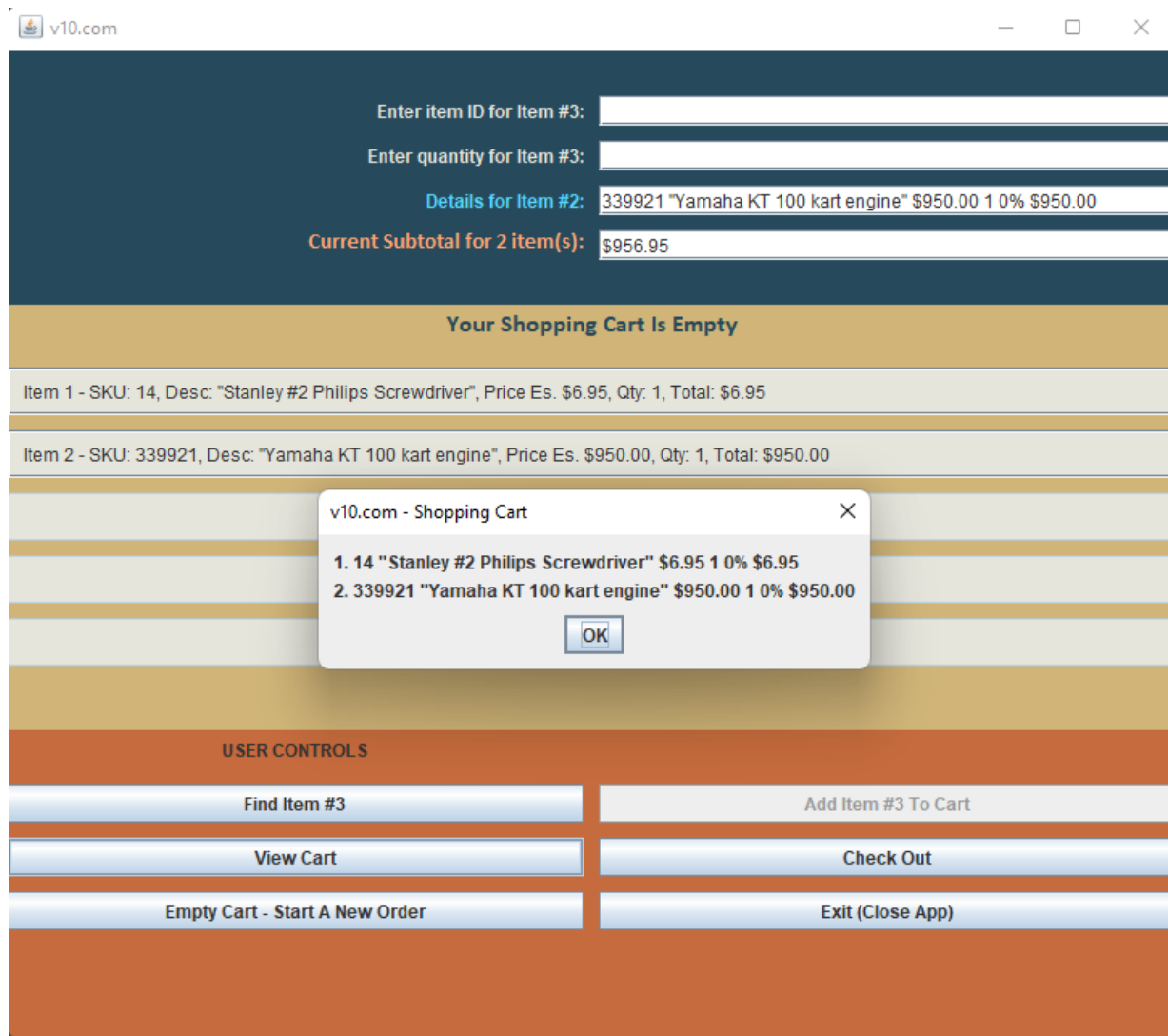
**Your Shopping Cart Is Empty**

Item 1 - SKU: 14, Desc: "Stanley #2 Philips Screwdriver", Price Es. \$6.95, Qty: 1, Total: \$6.95
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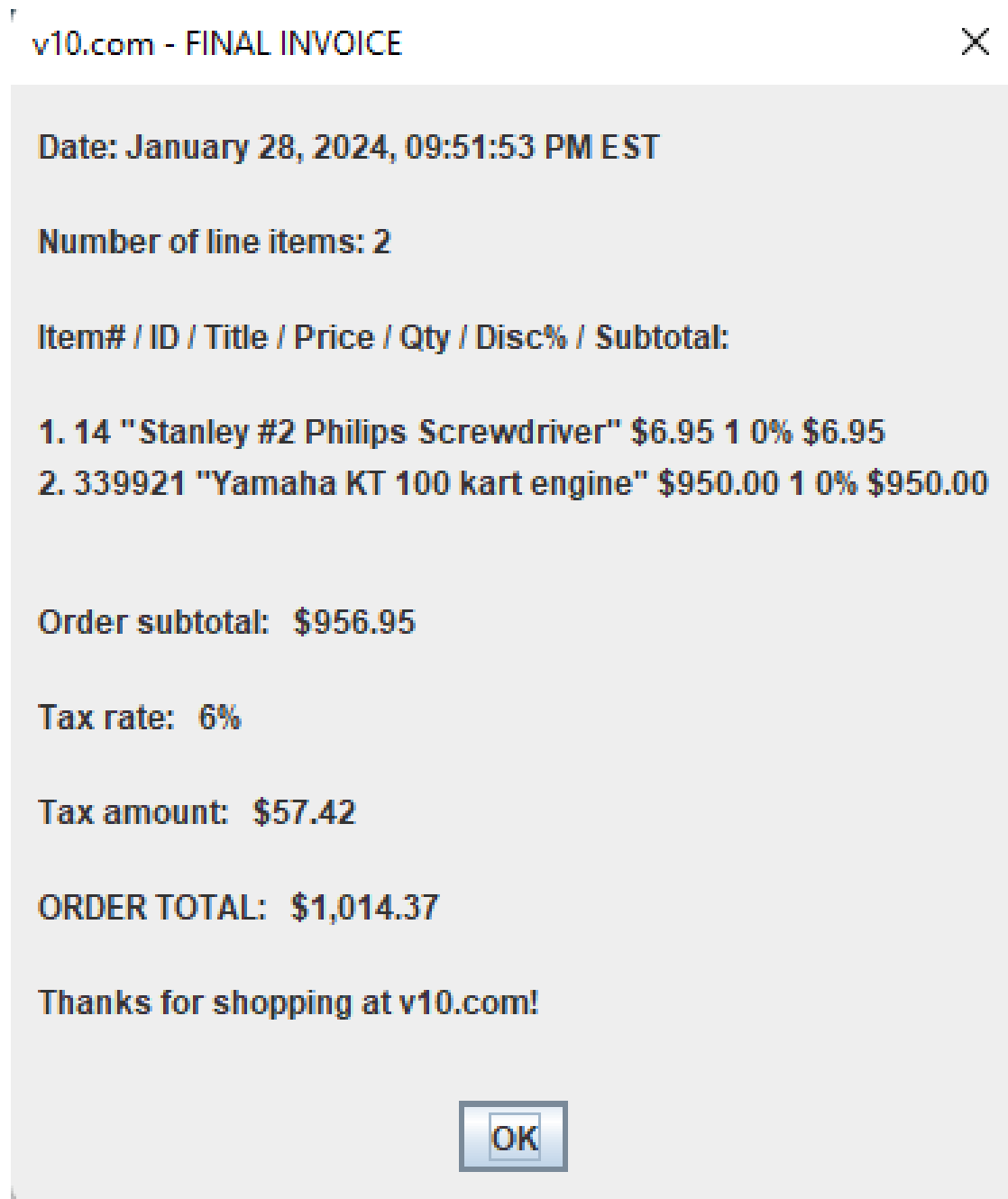
**USER CONTROLS**

Find Item #2	Add Item #2 To Cart
View Cart	Check Out
Empty Cart - Start A New Order	Exit (Close App)

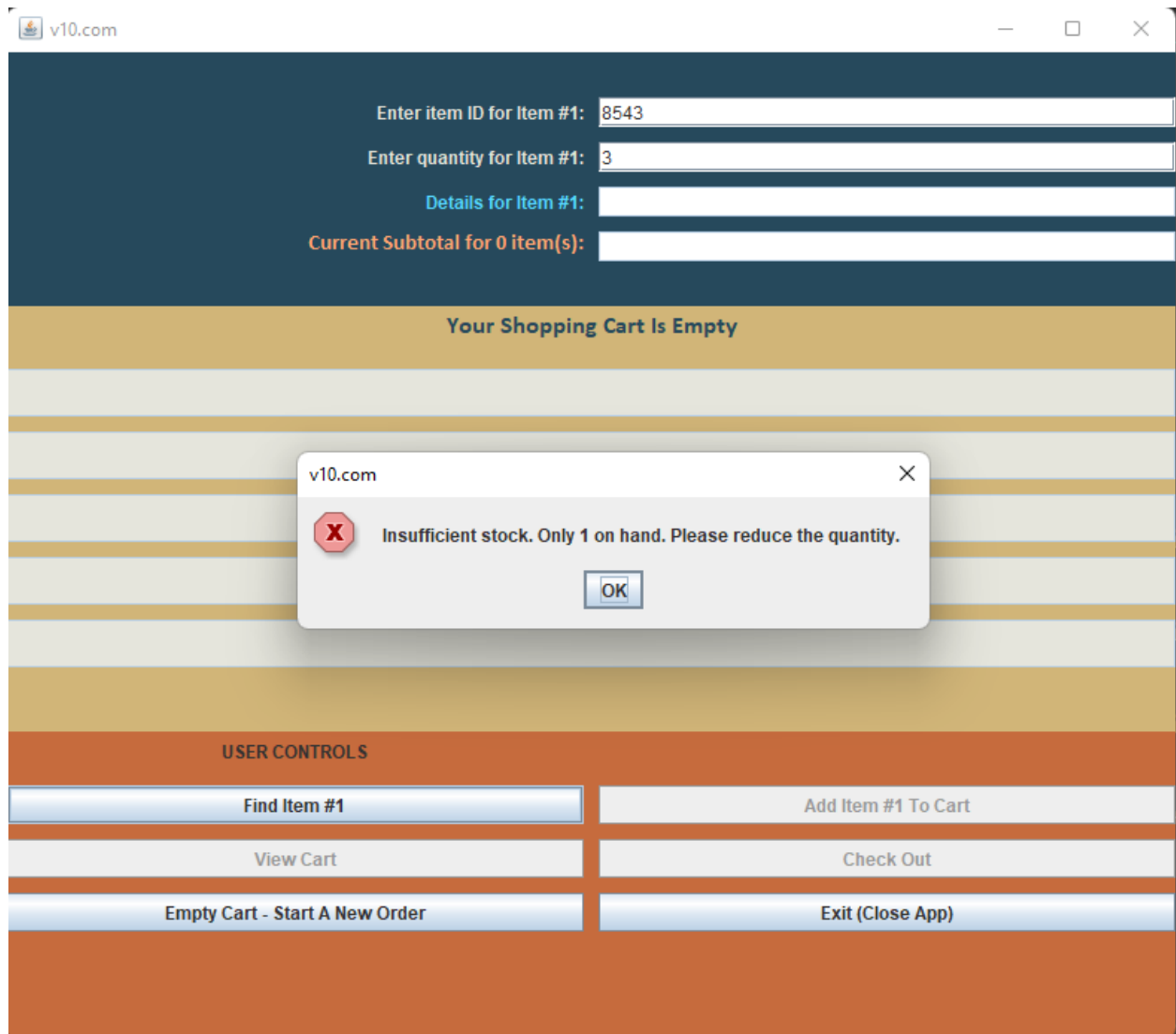
e. The GUI and the message dialog box when the user clicks the “View Current Order” button with multiple items (at least two) in the order.



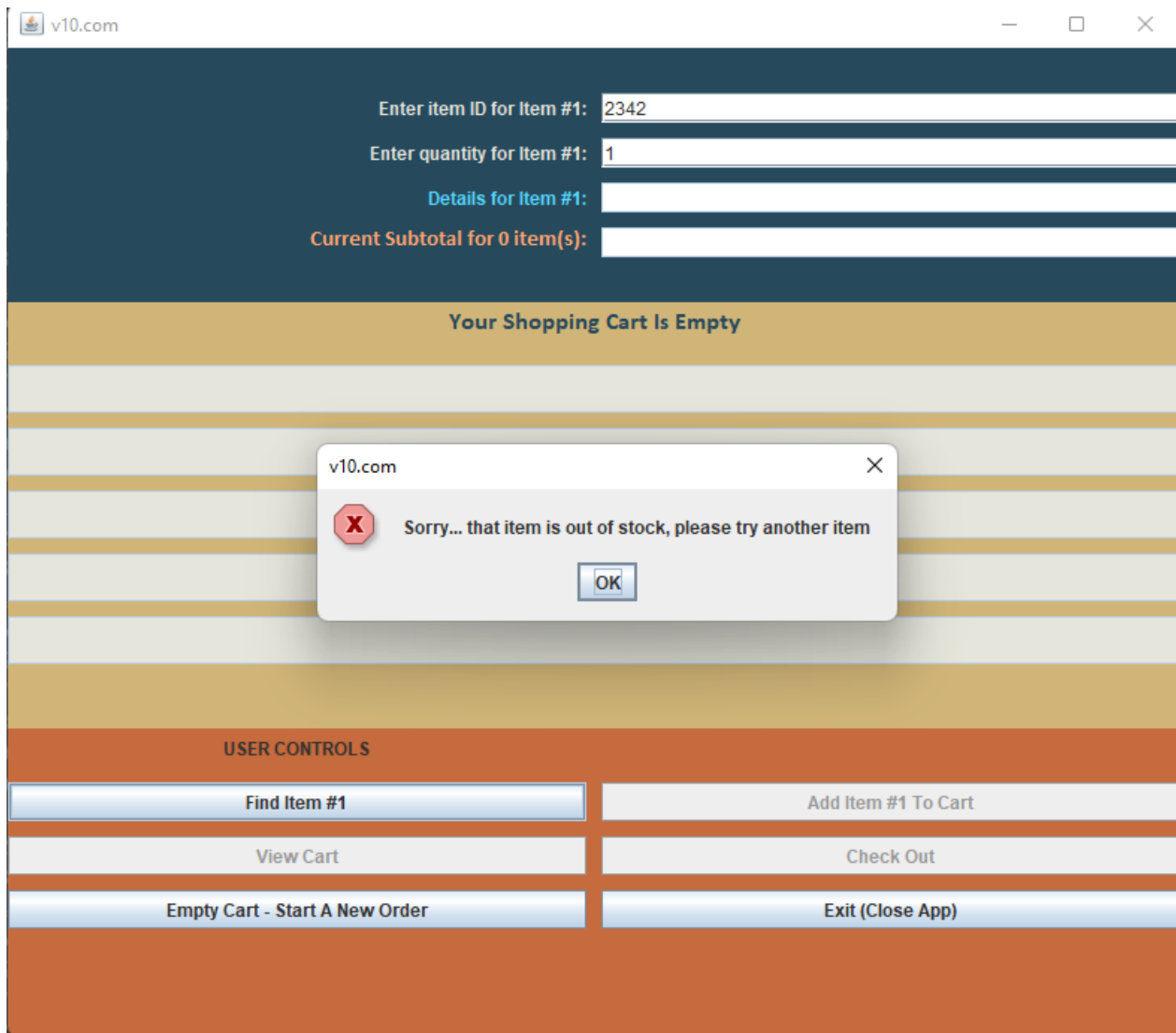
f. The message dialog box when the user clicks the “Check Out” button for an order containing multiple items.



g. The GUI and the message dialog box when the user has entered an item number (ID) and quantity where the quantity is greater than the number in stock.



h. The GUI and the message dialog box when the item the user has selected is out of stock (like number 13 below).





i. The GUI and the message dialog box when the item the user has selected is not contained in the inventory file.

