

## **Activity 1**

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## CONSOLE APPLICATION

Add 3 Cars to Inventory

```
Choose an action: | 0 Quit | 1 Add Car | 2 Add to Cart | 3 Checkout
2
Inventory:
0) Ford F150 $50000
1) Toyota Tacoma $45000
2) Chevy 1500 $48000
Which car would you like to add?
2
Shopping List:
0) Chevy 1500 $48000
Choose an action: | 0 Quit | 1 Add Car | 2 Add to Cart | 3 Checkout
2
Inventory:
0) Ford F150 $50000
1) Toyota Tacoma $45000
2) Chevy 1500 $48000
Which car would you like to add?
0
Shopping List:
0) Chevy 1500 $48000
1) Ford F150 $50000
Choose an action: | 0 Quit | 1 Add Car | 2 Add to Cart | 3 Checkout
```

### Add 2 Cars to Cart

```
Choose an action: | 0 Quit | 1 Add Car | 2 Add to Cart | 3 Checkout
2
Inventory:
0) Ford F150 $50000
1) Toyota Tacoma $45000
2) Chevy 1500 $48000
Which car would you like to add?
2
Shopping List:
0) Chevy 1500 $48000
Choose an action: | 0 Quit | 1 Add Car | 2 Add to Cart | 3 Checkout
2
Inventory:
0) Ford F150 $50000
1) Toyota Tacoma $45000
2) Chevy 1500 $48000
Which car would you like to add?
0
Shopping List:
0) Chevy 1500 $48000
1) Ford F150 $50000
Choose an action: | 0 Quit | 1 Add Car | 2 Add to Cart | 3 Checkout
```

### Checkout

```
Choose an action: | 0 Quit | 1 Add Car | 2 Add to Cart | 3 Checkout
3
Shopping List:
0) Chevy 1500 $48000
1) Ford F150 $50000
Your total is 98000
Choose an action: | 0 Quit | 1 Add Car | 2 Add to Cart | 3 Checkout
```

### Quit

```
Choose an action: | 0 Quit | 1 Add Car | 2 Add to Cart | 3 Checkout
0
Goodbye
```

## GUI APPLICATION

Add 3 Cars to Inventory

The screenshot shows a Windows-style application window titled "Form1". It contains three main panels. The left panel, "Create a Car:", has three text input fields: "Make:" with "Chevy", "Model:" with "1500", and "Price:" with "48000". Below these is a "Create Car" button. The middle panel, "Car Inventory:", is a list box containing three items: "Ford F150 \$50000", "Toyota Tacoma \$45000", and "Chevy 1500 \$48000". The first item is selected. Below the list box is an "Add to Cart" button. The right panel, "Shopping Cart:", is currently empty. Below it is a "Checkout" button and a "Total Cost:" label.

Car Inventory
Ford F150 \$50000
Toyota Tacoma \$45000
Chevy 1500 \$48000

Add 2 Cars to Cart

This screenshot shows the same application window after two cars have been added to the shopping cart. The "Car Inventory:" list box now contains "Ford F150 \$50000", "Toyota Tacoma \$45000", and "Chevy 1500 \$48000", with the last item selected. The "Shopping Cart:" list box now contains two items: "Ford F150 \$50000" and "Chevy 1500 \$48000", with the first item selected. The "Add to Cart" button is now disabled (grayed out). The "Checkout" button and "Total Cost:" label remain visible.

Car Inventory
Ford F150 \$50000
Toyota Tacoma \$45000
Chevy 1500 \$48000

Shopping Cart
Ford F150 \$50000
Chevy 1500 \$48000

## Checkout

Form1

Create a Car:

Make:

Model:

Price:

Create Car

Car Inventory:

Ford F150 \$50000

Toyota Tacoma \$45000

Chevy 1500 \$48000

Add to Cart

Shopping Cart:

Ford F150 \$50000

Chevy 1500 \$48000

Checkout

Total Cost: 98000