Lab – Car Shopping

You just got a job at a local car dealership. Customers choose a base car model for a certain price and then they will be able to add different features for an additional cost. You are in charge of details reports on cars sold. You decide to make a program to aide you in calculating the total of each car.

Starting code:

```
import java.util.Scanner;

public class CarShopping
{
   private static Scanner in = new Scanner(System.in);

   public static void main(String[] args)
   {
      int totalCost = 0;
      totalCost += base();
      totalCost += automaticWindows();
      //TODO: call methods that you write for each feature
      //TODO: print the total cost of the vehicle
   }

   public static int base()
   {
      System.out.println("Our inventory:");
      System.out.println("Model 1 - $15,000");
      System.out.println("Model 2 - $24,000");
      System.out.println("Model 3 - $40,000");
      System.out.println("Which base model did the customer choose? “
                         + “(enter full model name) > ");
      String model = in.nextLine();
      if(model.equalsIgnoreCase("Model 1"))
         return 15000;
      //...
   }

   public static int automaticWindows()
   {
      System.out.print("Automatic Windows for $500? (y/n) > ");
      //...
   }
}
```

These are other the features that customers can add to their cars:

- Remote keyless entry $1000
- OnStar System $1000
- Anti-lock Brakes (ABS) $500
- Telescoping steering wheel/adjustable pedals $1000
- Sunroof $800
- Cold Weather Package (Heated seats/windshield heater $1500
- GPS Navigation System $750
- You should come up with three more of your own additional features

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Sample output:

```
Our inventory:
Model 1 - $15,000
Model 2 - $24,000
Model 3 - $40,000
Which base model did the customer choose? (enter full model name) >
model 2
Automatic Windows for $500? (y/n) > y

***** CAR TOTAL $24500 ******
```

Added Fun: Think. Is there a way this code could have been much more compact and reusable using a single method for each of the added features?