

## Program TWO

### Due

The written part is due at the beginning of class, the electronic part (if any) has to be sent to the instructor using Blackboard.

### Objectives

1. To learn how to use Netbeans Java IDE (Integrated Development Environment).
2. To learn how to program using multiple classes, how to use arrays, how to use static variables, how to use OOP design for the classes

### References

1. Lecture Chapters,
2. Powerpoints
3. Netbeans Examples

### Software Required

1. Netbeans
2. Blackboard

### Assignment

1. You are to write a simple program that consists of two classes. The program will allow the user to place an order for a Tesla Model X car.
2. Your project name should use the following standard xxxTesla. xxx is your initials taken from the first three characters of your Cal Poly email
3. Present the user with a menu selection for each option on the site. We will use JOptionPane to generate different options for the user. See the examples posted for how to use JOptionPane.
4. Each menu will have multiple items each item will be in the following format "**Description,Price**". For example "**Long Range, 84990**". Where **Long Range** is the description of the item and **84990** is the price for that item
5. The ordering process will be done in 5 steps. See the Tesla website for an example <https://www.tesla.com/modelx/>

#### Steps

1. Select the Car
2. Select Exterior
3. Select Interior
4. Select Autopilot
5. Enter Payment Info

- a. Enter Customer Info
- b. Enter Card Info


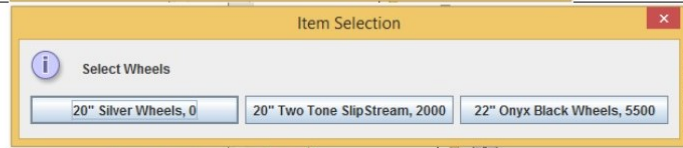

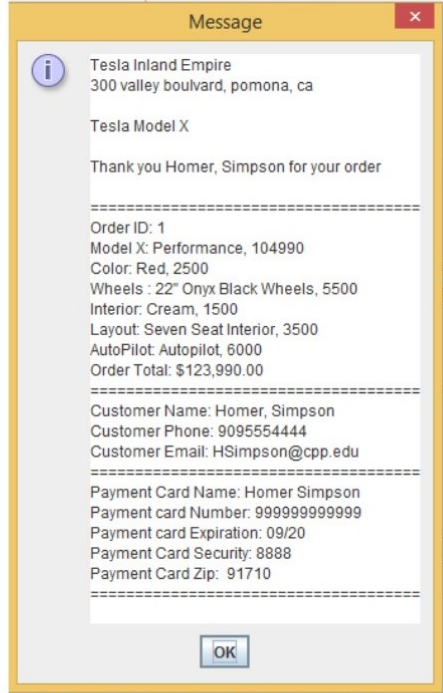

6. At the end of the process you will need to display a confirmation receipt that shows the purchase made (Screen #7)
7. Next you can ask the user if they want to place a new order (Screen #8)
8. Keep processing orders and displaying their receipts as long as the user chooses to continue placing orders
9. Once the user selects not to place any more new orders you can display the summary of all sales for the store.

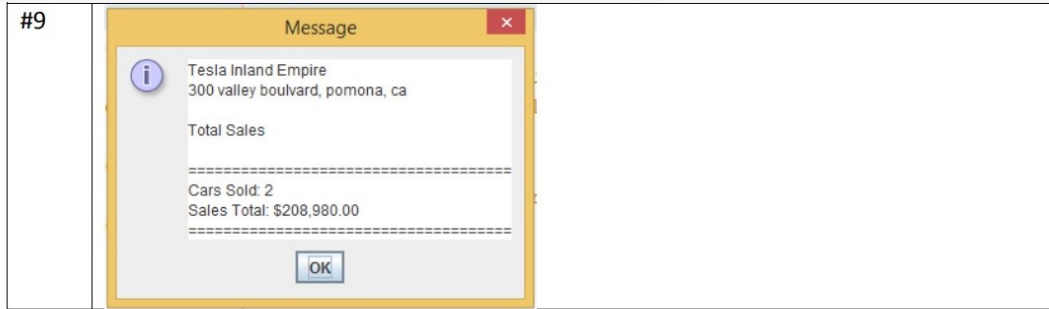
#### Test Data

Customer	Car Type, Color, Wheels, Interior, Seat Layout, Autopilot option
Homer Simpson	Performance, Red, 22" Onyx Black, Cream, 7 seats, Autopilot
Lisa Simpson	Long Range, Pearl White, 20" Silver Wheels, Black, Five Seat, No Autopilot
Bart Simpson	Performance, Solid Black, 20" Two Tone Slipstream, Black and White, Six Seat Interior, No Autopilot
Marge Simpson	Performance, Midnight Silver, 22" Onyx Black Wheels, Cream, Six Seat Interior, No Autopilot Order Total: \$119,990.00
<b>For All Customers</b>	Phone: 9095554444 Email: <CUSTOMER FIRST NAME>@cpp.edu Payment Card Name: <CUSTOMER FULL NAME> Payment card Number: 999999999999 Payment card Expiration: 09/20 Payment Card Security: 8888 Payment Card Zip: 91710
Customer	

#### Screen Examples

#1	
#2	
#3	

#4	
#5	
#6	
#7	
#8	
<p>After Homer Place Order for Lisa Simpson  Long Range, Pearl White, Black, Five Seats, 20" Silver Wheels, No Autopilot</p>	



### Deliverables

#### 1. Electronic:

- Your .zip file from Netbeans must be upload to blackboard and it must be sent by the beginning of class. Upload your project by the time specified on blackboard otherwise the program is late and will not be accepted so make sure you turn-in whatever you have on time to get partial credit. (Do not wait until the last minute to test blackboard). The clock on blackboard site is the official clock.

#### 2. Printed:

- Printout your source code
- Print out of the java output screens
- Place the cover page supplied at the end of this assignment in the front of your assignment.