

# Program III

## 1. APPLICATION

- The **CarSelector** Application allows a user to review different attributes for cars. It uses 3 classes.
- The application consists of a **main menu** and a series of similar **sub menus**. Below are screenshots of the menus.
- When the user click on an option from the main menu it either displays a **result screen** for that operation or a **Sub Menu** that has 4 options.
- In the sub menu the user can Select from **Average, Highest Value, Lowest Value** and **Return to Main menu** options
- When the user clicks on one of the options a result is displayed with the corresponding information. See example of **Compare Acceleration** displayed below.
- Make sure you display the results as shown in the example. Make sure you format the data accordingly.

**HINT:** focus on making **ONE** of the buttons on the main menu to work EX: **Compare Acceleration**. Then focus on getting the submenu to work and display results. The rest will be very similar.

### Main Menu



When the user clicks on a button on the main menu one of the operations below is triggered. Some of the buttons result in a second menu to be displayed. See example of Compare Acceleration below

### Operations

#### 1. List Cars Result



**2. Compare Acceleration Sub Menu** (When user clicks on Return to menu they go back to the Main Menu)

Operation Selection ✕

**i** Select Operation

Average Acceleration Highest Acceleration Lowest Acceleration Return to Menu

Display Average Acceleration

Message ✕

**i** The average Acceleration of the cars is: 4.66

OK

Display Highest Acceleration

Message ✕

**i**

Make	Model	Acceleration	Range	Price	Speed
TESLA	MODEL S	2.4	373	\$70,000.00	155

OK

Display Lowest Acceleration

Message ✕

**i**

Make	Model	Acceleration	Range	Price	Speed
TESLA	TRUCK	6.5	250	\$39,000.00	110

OK

**3. Compare Top Speed Sub Menu** (Same type of result boxes are displayed as Example Above)

Operation Selection ✕

**i** Select Operation

Average Speed Highest Speed Lowest Speed Return to Menu

**4. Compare Price Sub Menu**

Operation Selection ✕

**i** Select Operation

Average price Highest price Lowest price Return to Menu

**5. Compare Mileage Sub Menu**

<b>6. Exit</b>
Exits the application

## 2. Cars Data

MAKE	MODEL	ACCELERATION	RANGE	PRICE	TOP SPEED
TESLA	MODEL S	2.4	373	\$70,000	155
TESLA	MODEL 3	4.4	322	\$49,490	145
TESLA	MODEL X	4.5	328	\$75,315	155
TESLA	MODEL Y	5.5	300	\$43,700	130
TESLA	CYBERTRUCK	6.5	250	\$39,000	110

## 3. Deliverables:

### **No PRINTING NECESSARY**

Name the project XXX\_CarSelector where XXX stands for your initials. Follow similar standards to previous projects to name this project's zip file

- 1 Test data screenshots document  
Use the sample page at the end of this assignment to complete your screenshots.
- 2 Export your netbeans project into a .zip file. XXX\_CarSelector.zip
- 3 Upload your two items to blackboard  
.zip file for your project  
Screenshots document

## Project #3 Screenshots

Student Name: \_\_\_\_\_

a) Screenshot of Main Menu

b) Screenshot of List Cars

c) Screenshot of Compare Acceleration Menu

i) Screenshot of Result #1

ii) Screenshot of Result #2

iii) Screenshot of Result #3

d) Screenshot of Compare Top Speed Menu

i) Screenshot of Result #1

ii) Screenshot of Result #2

iii) Screenshot of Result #3

e) Screenshot of Compare Price Menu

i) Screenshot of Result #1

ii) Screenshot of Result #2

iii) Screenshot of Result #3

f) Screenshot of Compare Mileage Menu

i) Screenshot of Result #1

ii) Screenshot of Result #2

iii) Screenshot of Result #3