

# Skateboard Designer

## Basic Steps in Creating your Program.

1. Plan your logic before working on the project and review the syntax you will use in the project. Think about how you want the output to display to the user. You might want to tell the user what the program does and what type of input you expect from the user. Your interface structure could do this. Select names of the variables you will use in the program.
2. Create a JAVA project Using **NetBeans IDE**.
  - Declare variables to hold input information.
  - Using the **JFrame Form** or **JPanel Form** to create the application.
3. Program created with JavaFX in the previous versions of NetBeans like 8.2 will work but the newest version of Apache NetBeans 12.6 does not automatically allow creation of JavaFX applications. There are a number of additions to the runtime that need to be set up and are not easily accomplished. The notation in 12.6 is that you use the Ant>Project and then add the JFrame to the project source. From there use the Panels to add the forms and controls.
4. Run the program. Debug the code, making sure all calculations are correct and the line spacing is suitable for readability.

## Your program Assignment

The Skate Shop sells skateboard products listed in Table 13-9.

Table 13-9 Skateboard products

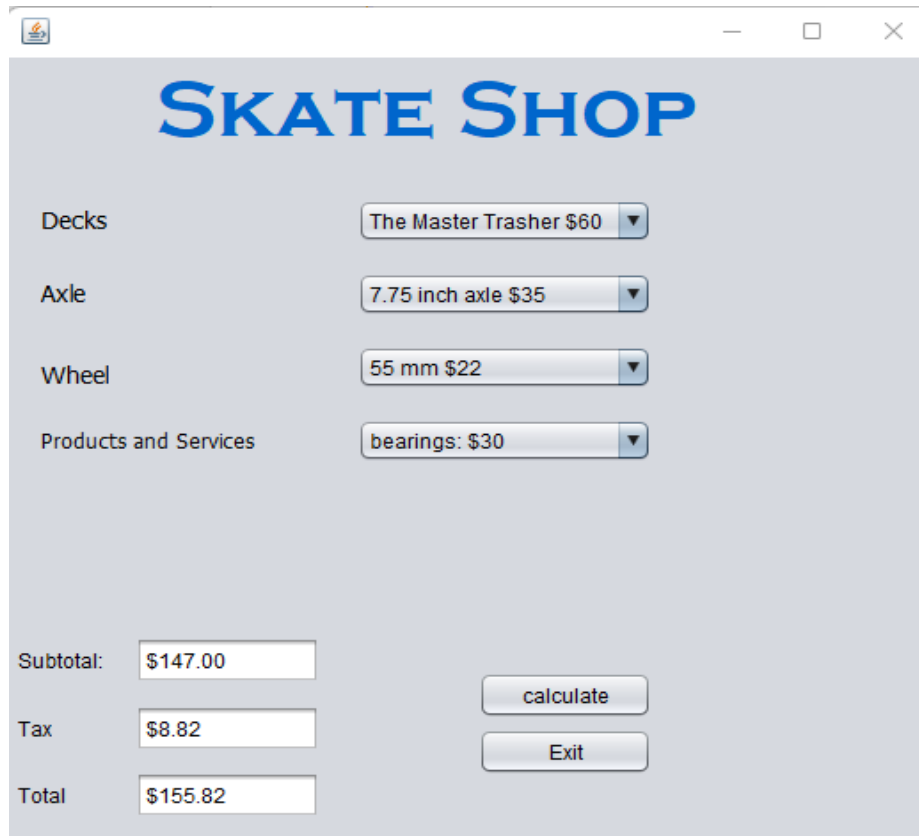
Decks	Truck Assemblies	Wheels
The Master Thrasher \$60	7. 75-inch	51 mm \$20
The Dictator \$45	axle \$35 8-inch	55 mm
The Street King \$50	axle \$40	\$22 58
	8. 5-inch	mm \$24
	axle \$45	61 mm
		\$28

In addition, the Skate Shop sells the following miscellaneous products:

- Grip tape: \$10 o Bearings: \$30
- Riser pads: \$2 o Nuts & bolts kit: \$3

Create an application that allows the user to select one deck, one truck assembly, and one wheel set from either List View controls or ComboBox controls. The application should also have a List View that allows the user to select multiple miscellaneous products. The application should display the subtotal, the amount of sales tax (at 7 percent), and the total of the order.

**Example:**



The screenshot shows a Windows application window titled "SKATE SHOP". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main content area has a light gray background. At the top, the title "SKATE SHOP" is displayed in a large, blue, serif font. Below the title, there are four rows of selection controls, each with a label on the left and a ComboBox on the right. The first row is labeled "Decks" and shows "The Master Trasher \$60". The second row is labeled "Axle" and shows "7.75 inch axle \$35". The third row is labeled "Wheel" and shows "55 mm \$22". The fourth row is labeled "Products and Services" and shows "bearings: \$30". At the bottom of the window, there are three text boxes for calculations. The first row is labeled "Subtotal:" and shows "\$147.00". The second row is labeled "Tax" and shows "\$8.82". The third row is labeled "Total" and shows "\$155.82". To the right of these text boxes are two buttons: "calculate" and "Exit".

Category	Selection	Price
Decks	The Master Trasher	\$60
Axle	7.75 inch axle	\$35
Wheel	55 mm	\$22
Products and Services	bearings	\$30

Label	Value
Subtotal:	\$147.00
Tax	\$8.82
Total	\$155.82

Buttons: calculate, Exit

Please Choose Which Parts You Need

Decks

The Master Thrasher--\$60

Wheel Assemblies

8in Axle--\$40

Wheels

61mm--\$28

Miscellaneous Parts

☒ Riser Pads--...

☐ Nuts/Bolts Kit--...

☐ Grip Tape--\$10

☒ Bearings--\$30

Subtotal

Sales Tax

Total

\$160.00

\$9.60

\$169.60

Exit