

Design a quote generator similar to the one below. It calculates the total cost for vehicle testing based on the chosen parameters, and the cost breakdown must be shown, similar to that below.

**Notes:**

- ☐ Use a **Case statement** for setting the hourly price based on the vehicle choice.
- ☐ Use an **If statement** for setting the tax rate based on the province.
- ☐ The hourly costs are as follows: Hyundai Elantra GT - \$80, Audi TT - \$150, Ford Ranger - \$100, Toyota Corolla - \$80, Kia Forte - \$90, Chevy Volt - \$200. Unspecified vehicle is \$200.
- ☐ Engine tests require 3 hours, Exhaust System Tests require 1 hour and Electrical System Tests require 2 hours.
- ☐ If detailed diagnostics are to be included testing time doubles.
- ☐ A flat rate of a half an hour is added for the setup required for detailed diagnostic tests.
- ☐ If a type of test is not selected, it should NOT be shown on the quote.
- ☐ The tax rate must be shown on the quote.

**ALL PROGRAMS MUST ALSO INCLUDE THE FOLLOWING**

- ☐ The graphic interface shall be well designed such that all text boxes and buttons are clearly labelled and nicely positioned (use the ALIGN option from the Format menu).
- ☐ Use different colours for the window background and controls. Do not use the default colours.
- ☐ All controls should have descriptive names
- ☐ Code should be well commented
- ☐ The title of the running program should be appropriately descriptive.
- ☐ A Quit Button to exit the program is optional.
- ☐ Remember to include your name and Student Number in the code comments.

**Submission: Through blackboard submit a word document with:**

- ☐ Your code
- ☐ A screen capture of your design form – with the properties window for the date textbox visible.
- ☐ A screen capture of your running program after you press the Get Quote button.