

Project 6-1 – BigEventCalculator

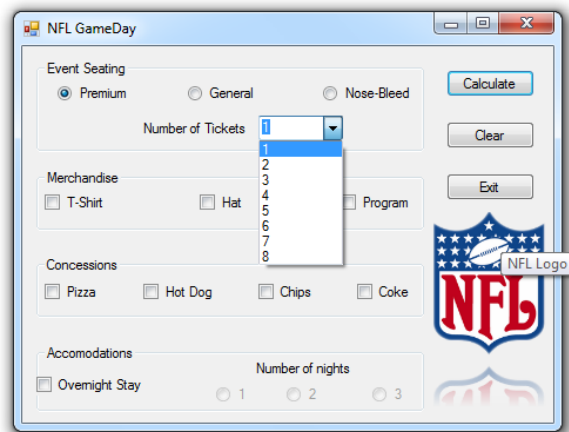


Figure 1

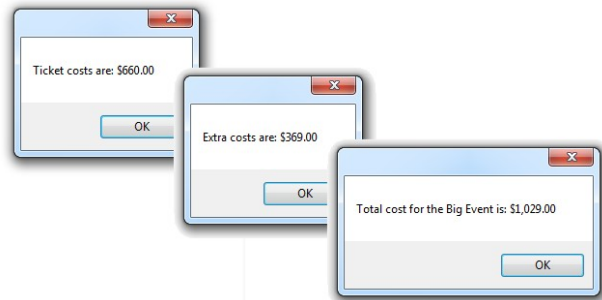


Figure 2

The big event is here and you're ready to go. Whether it be a Bon Jovi concert, NFL game, or Gardening Spectacular – as long as you have the cash, you and your friends are there! But exactly how much cash will you need? You will be tasked with creating a program that calculates the total cost of going to the big event. It will include the number of tickets needed, merchandise, concessions, and possible overnight accommodations.

Project Objectives:

- Use of functions and procedures
- Use of radio buttons and check boxes
- Use of ToolTips
- Use of ComboBox
- Use of mathematical operations
- Currency format

The event you choose and merchandise/concessions you sell are irrelevant to the project. Be creative and design/write the program to something that interests you. What is important is that you adhere to the following price schedule:

Prices:

- Tickets
 - Premium Seating - \$220
 - General - \$125
 - Nose-Bleed - \$55
- Extras (Merchandise)
 - T-Shirt - \$25
 - Hat - \$18
 - Program - \$12
- Extras (Concessions)
 - Pizza - \$5.50
 - Hot Dog - \$4.00
 - Chips - \$3.25
 - Coke - \$2.25
- Extras (Overnight Stay)
 - First night - \$185
 - Each additional night - \$125

Requirements

- Comment your code!!!
- Write Functions to:
 - Calculate Ticket Cost - Calculate and return the cost of the tickets
 - Calculate Total Cost – Calculate and return the total cost of going to the big event.
- Write Procedures to:
 - Display message box for ticket cost, extras cost, and total cost (Figure 2) – these three MessageBoxes are displayed using one procedure
 - Clear the Overnight Radio buttons
 1. This procedure will be used to toggle Overnight checkbox and with the Clear button
- Calculate button performs the calculations
- Clear button resets form to start-up (default) settings
- Exit button quits the program
- Calculate is the form's AcceptButton & Exit is the form's CancelButton Must use (Figure 1)
 - ToolTips for at least six controls
 - Radio buttons for Event Seating (general, premium, and box) and Number of Overnights (1, 2, or 3)
 - CheckBoxes for Merchandise (T-Shirt, Hat, and Program)
 - CheckBoxes for Concessions (Pizza, Hot Dog, Chips, and Coke)
 - ComboBox for number of tickets
 1. Maximum of 8
 2. Default selection of 1
- Number of nights radio buttons are only accessible when overnight stay is selected. They should be reset when user toggles on/off Overnight checkbox

Sample data: 3 Premium tickets: \$660
 T-Shirt, Hat, Hot Dog, and a two night stay: \$369
 Total: \$1,029.00

7 Nose-Bleed: \$385
 T-Shirt, Hat, Program, Pizza, Hot Dog, Chips, Coke, and a three night stay: \$505
 Total: \$890