

# TICKETMASTER PROGRAMMING ASSIGNMENT

TicketMaster has run into a major crisis: their online and telephone ordering system has crashed. It's Friday night and tomorrow morning they're expecting a flood of calls from customers wishing to purchase playoff tickets for the highly anticipated Toronto Raptors vs. New Jersey Nets series. They're looking for anyone to come up with a program that will help their customer service representatives manage ticket sales tomorrow morning.

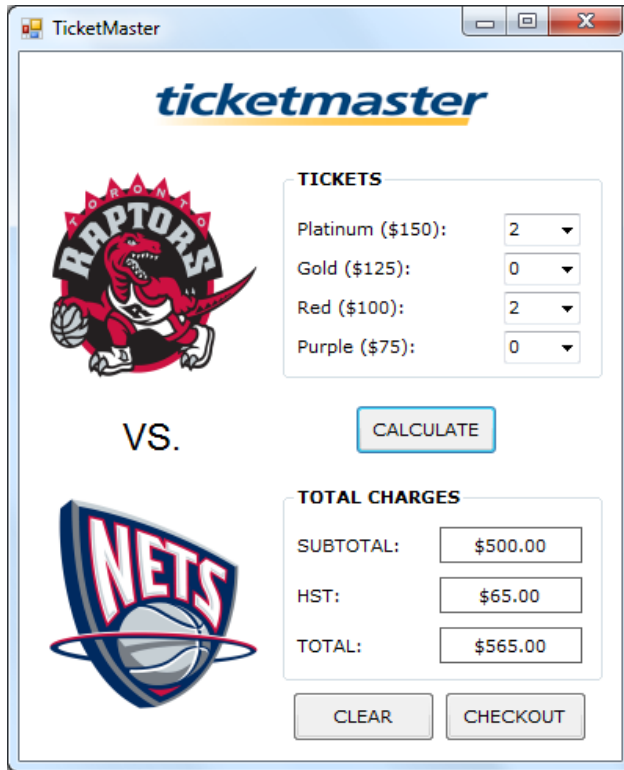


Your task is to create a program using Visual Basic that will allow users to enter any number of **Platinum**, **Gold**, **Red** and **Purple** tickets and that will calculate a SUBTOTAL, HST and GRAND TOTAL.

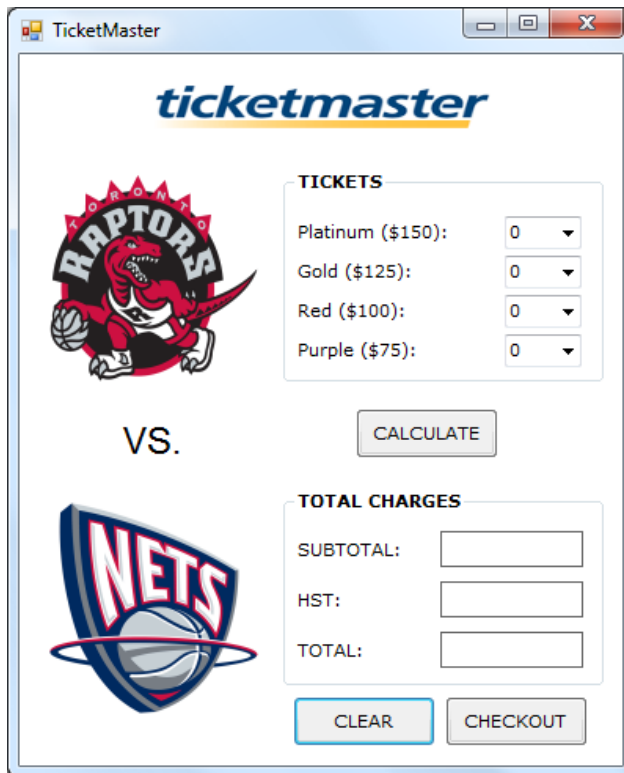
1. Create the following user interface:

You can find the TicketMaster logo and team logos in the **Classroom Rosters** folder.

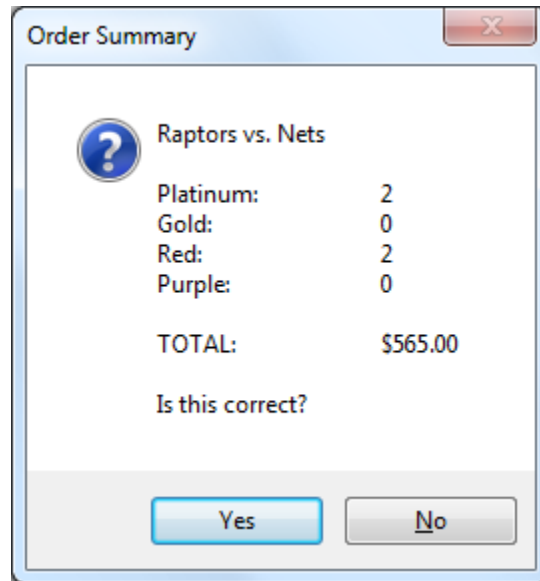
2. Declare and initialize the variables and constants you will need in the **btnCalculate\_Click** section of your code.
3. Write code for the **CALCULATE** button so that when the user clicks on the button it will calculate the SUBTOTAL, HST (13%), and the GRAND TOTAL, and output the result in the corresponding labels.



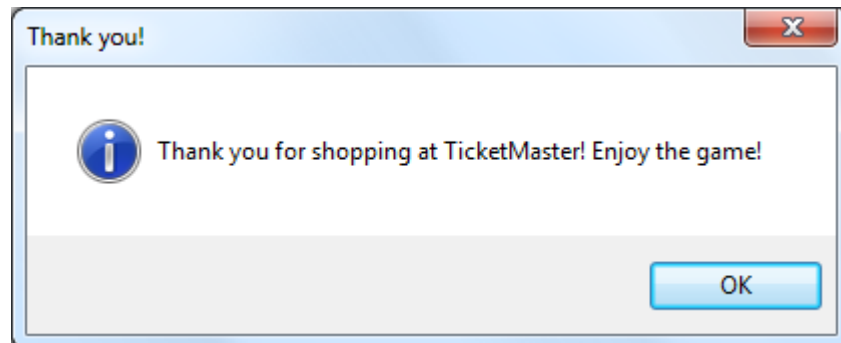
- Write code for the **CLEAR** button so that when the user clicks on the button the combo boxes are reset to 0 and the totals are cleared from the labels.



5. Write the code for the **CHECKOUT** command button so that when the user clicks on the button a message box appears summarizing their order and asking them if the order is correct.

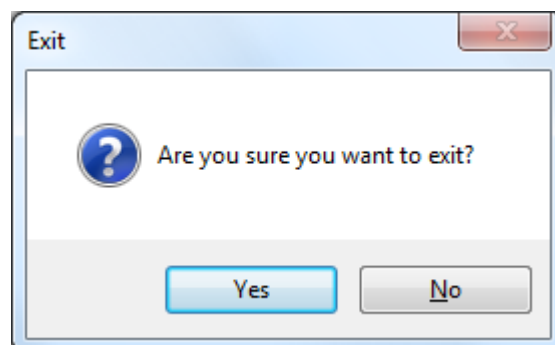


If the user selects **YES**, the following message box should appear before the program exits.



If the user selects **NO**, the user should be returned to the main screen.

6. When the user clicks the **CLOSE** button, a message box should appear asking users if they are sure they want to exit.



If the user selects **YES**, the program should just end. If the user selects **NO**, the user should be returned to the main screen. You will need to write the code for the close button in the **FormClosing** procedure.

7. Run the program and test it by entering different values in the combo boxes.
8. Save the project as **TicketMaster** in your COMPLETED ASSIGNMENTS folder.

# PROGRAMMING ASSIGNMENT: TICKETMASTER PROGRAM

CATEGORY	CRITERIA	LEVEL 1 50 – 59%	LEVEL 2 60 – 69%	LEVEL 3 70 – 79%	LEVEL 4 80 – 100%	MARK
<b>Knowledge and Understanding</b>	Demonstrates an understanding of how to write a program(s) that uses variables and takes input from the user	<ul style="list-style-type: none"> <li>Demonstrates limited understanding of how to use variables and takes input from the user</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates some understanding of how to use variables and takes input from the user</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates considerable understanding of how to use variables and takes input from the user</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates thorough understanding of how to use variables and takes input from the user</li> </ul>	<b>/10</b>
	Names variables and components according to the naming conventions learned in class	<ul style="list-style-type: none"> <li>Names variables and components with limited success</li> </ul> <p style="text-align: center;"><b>5.0-5.9</b></p>	<ul style="list-style-type: none"> <li>Names variables and components with some success</li> </ul> <p style="text-align: center;"><b>6.0-6.9</b></p>	<ul style="list-style-type: none"> <li>Names variables and components with considerable success</li> </ul> <p style="text-align: center;"><b>7.0-7.9</b></p>	<ul style="list-style-type: none"> <li>Names variables and components with great success</li> </ul> <p style="text-align: center;"><b>8.0-10</b></p>	
<b>Thinking</b>	The output is calculated and formatted correctly	<ul style="list-style-type: none"> <li>Calculates and formats the output with limited success</li> </ul>	<ul style="list-style-type: none"> <li>Calculates and formats the output with some success</li> </ul>	<ul style="list-style-type: none"> <li>Calculates and formats the output with considerable success</li> </ul>	<ul style="list-style-type: none"> <li>Calculates and formats the output with great success</li> </ul>	<b>/10</b>
	Validates program to ensure the program produces correct results	<ul style="list-style-type: none"> <li>Validates program with limited success</li> </ul> <p style="text-align: center;"><b>5.0-5.9</b></p>	<ul style="list-style-type: none"> <li>Validates program with some success</li> </ul> <p style="text-align: center;"><b>6.0-6.9</b></p>	<ul style="list-style-type: none"> <li>Validates program with considerable success</li> </ul> <p style="text-align: center;"><b>7.0-7.9</b></p>	<ul style="list-style-type: none"> <li>Validates program with great success</li> </ul> <p style="text-align: center;"><b>8.0-10</b></p>	
<b>Communication</b>	Provides internal documentation that clearly explains program logic	<ul style="list-style-type: none"> <li>Documents program logic with limited success</li> </ul> <p style="text-align: center;"><b>5.0-5.9</b></p>	<ul style="list-style-type: none"> <li>Documents program logic with some success</li> </ul> <p style="text-align: center;"><b>6.0-6.9</b></p>	<ul style="list-style-type: none"> <li>Documents program logic with considerable success</li> </ul> <p style="text-align: center;"><b>7.0-7.9</b></p>	<ul style="list-style-type: none"> <li>Documents program logic with great success</li> </ul> <p style="text-align: center;"><b>8.0-10</b></p>	<b>/10</b>
<b>Application</b>	Effectively applies programming skills and knowledge of Visual Basic to create a program	<ul style="list-style-type: none"> <li>Applies programming knowledge and skills with limited success</li> </ul> <p style="text-align: center;"><b>5.0-5.9</b></p>	<ul style="list-style-type: none"> <li>Applies programming knowledge and skills with some success</li> </ul> <p style="text-align: center;"><b>6.0-6.9</b></p>	<ul style="list-style-type: none"> <li>Applies programming knowledge and skills with considerable success</li> </ul> <p style="text-align: center;"><b>7.0-7.9</b></p>	<ul style="list-style-type: none"> <li>Applies programming knowledge and skills with great success</li> </ul> <p style="text-align: center;"><b>8.0-10</b></p>	<b>/10</b>

**CURRICULUM EXPECTATIONS THAT ARE COVERED IN THIS ASSIGNMENT:**

- B1. Describe fundamental programming concepts and constructs.
- B2. Plan and write simple programs using fundamental programming concepts.
- B3. Apply basic code maintenance techniques when writing programs.