* What are the named variables you will use?  List their names, data types, and purpose.

-int quanItem,

-double costItem, totCost, totShip, overallCost

double stores double-precision floating point numbers

int stores natural size integer

* What are the unnamed variables you will use?  List their data type and purpose.

Unnamed variables are destroyed after they return a value.

-Int quan - uses the user input quantity value stored

-Double cost – uses the user input cost value stored

-double totalCost - stores the total cost of the items in the calcCost function, then returns a value

-double totalShip – stores the total shipping cost, and returns a value.

* What input data is needed by the program?

The item name, the quantity of the item desired, and the cost of the item.

* What output data is generated by the prorgam?  
  The program outputs the cost of items without shipping, the cost of shipping, and the total cost, which is shipping plus items costs.
* Describe how the input data will be transformed into the output data.

-Using a while loop, the user is prompted to enter the item name or q to quit, (itemName), quantity of item(quanItem), and cost of item(costItem). After the “enter item name or q to quit: “ input, I put an if itemName == “q”, break, to break out of the loop if the user enters quit.

-functions are declared before main

-using the functions declared, and quanItem, costItem inputs, it is put into the calcCost, and shipCost functions.

-In the calcCost function, unnamed variables, quan and cost is used. Total cost is quan \* cost, then it returns the totalCost.

-In the shipCost function, it goes through an if, else statement. If quan \* cost is less or equal than 200, total ship will equal quan \* 10, else return 0 if the cost of items is greater then 200.

-After these functions return the shipping and items costs, I use the += to keep the running total of the costs of shipping and item costs.

-Then it goes through an if statement, if totCost is greater or equal 200, totship = 0,

-Then I put cin.ignore, to ignore the space or enter sign entered after the “how much does your item cost?” question.

-I store the overall cost using overallCost = totCost + totShip.

-The while loop will keep on running until the user inputs q and break out of the loop.

-Finally after the loop, I cout the total w/o shipping, shipping costs, and overallTotal.