

## Assignment 7

Date Due \_\_\_\_\_

### Program

Create a Visual Basic application named ASG7-1 to solve the following problem:

Justine 'Just' Rich makes all of her income from the stock market. She has invented the following technique for making decisions about stock purchases.

On Thursday morning she examines the stock prices of her stocks for the preceding three days (Monday, Tuesday, and Wednesday). If a stock's price has increased for two consecutive days and the second increase is greater than the first increase then she buys that stock. If a stock's price has decreased for two consecutive days and the second decrease is greater than the first decrease then she sells that stock. Otherwise she holds the stock.

Justine has hired you to write a Visual Basic application to assist her in making the Thursday morning decisions. She wants an application that will allow her to enter a stock's name and the stock's price on Monday, Tuesday, and Wednesday. The program will display if she should buy, sell or hold the stock for this week based on the algorithm she has invented.

The application should use the following menu:

<u>F</u> ile	<u>E</u> dit	<u>H</u> elp
<u>E</u> xit	<u>C</u> alculate	<u>A</u> bout
	<u>C</u> lear	
	<u>S</u> ummary	

The summary should display the total stocks that she has decided to buy, sell, or hold this week.

### Local and Module Level Variables

The only module level variables you need are those for keeping track of summary information. All other variables should be local.

### **Sub Procedure(s)**

Use one or more sub procedures to validate the user input. You will need to pass any required local variables as arguments.

### **Function**

Create a function to return the decision for a stock. Pass the stocks prices on Monday, Tuesday, and Wednesday by value to this function. The function will determine whether the stock should be bought, sold, or held and return that value to the calling procedure.

### **Context Menu**

Create a context menu with the same functionality as the Edit menu item on the main menu. The code for these menu items should simply call the click event code for the main menu items.

## Chapter 1 Program Grading Check List

	Asg1-1	Asg1-3	Asg1-5
Functions according to specification			
Output is formatted and accurate			
Correct solution folder name			
Correct form file name			
Correct control names			
Variable names and Scope			
Form comments			
Procedure comments			
Form title bar			
Program Compiles			
Tab order and Tab stops			
Focus in code			
Access Keys			
Menu's			
Input Validation			
Trapping Errors			
Accept and Cancel buttons			