Select Case Blocks

Instructor: Dmitri A. Gusev

Fall 2007

CS 113: Introduction to Computers

Lecture 10, November 1, 2007
Selector and Case Clauses

- A selector is an expression that determines the choices. A Case clause is a statement of the form

```
Case valueList
```

where valueList itemizes the values of the selector for which the action following this Case clause should be taken. The items on the valueList must evaluate to a constant of the same type as the selector.
Select Case Block

Select Case selector
    Case valueList1
        action1
    Case valueList2
        action2
    ...
    Case Else
        action of last resort
End Select
Select Case Block Flowchart

1. Evaluate selector

2. If value is in list 1?
   - Yes: Action 1
   - No: Go to step 3

3. If value is in list 2?
   - Yes: Action 2
   - No: Go to step 4

4. If value is in list n?
   - Yes: Action n
   - No: Perform action of last resort
Private Sub cmdInterpret_Click()
    Dim x As Integer, y As Integer, num As Integer
    'One, Two, Buckle My Shoe
    picPhrase.Cls
    x = 2
    y = 3
    num = Val(txtNumber.Text)
    Select Case num
        Case y-x, x
            picPhrase.Print "Buckle my shoe."
        Case Is <= 4  'Is refers to the selector value
            picPhrase.Print "Shut the door."
        Case x+y To x*y  'The range is covered inclusively
            picPhrase.Print "Pick up sticks."
        Case 7,8
            picPhrase.Print "Lay them straight."
        Case Else
            picPhrase.Print "Start all over again."
    End Select
End Sub