



Sample: Visual basic - Stock Project

```
Imports System.IO

Public Class MainForm
    'Structure Item
    Structure Item
        Public ID As String
        Public name As String
        Public price As Double
    End Structure
    'array of Structure Items
    Private Items(100) As Item
    'Total number of items in list
    Private count As Integer = 0
    ''' <summary>
    ''' Main form
    ''' </summary>
    ''' <param name="sender"></param>
    ''' <param name="e"></param>
    ''' <remarks></remarks>
    Private Sub MainForm_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MyBase.Load
        'open file Stock.txt
        Dim reader As StreamReader = New StreamReader("Stock.txt")
        Dim line As String
        'read data from file
        While reader.Peek <> -1
            line = reader.ReadLine
            Dim words As String() = line.Split(New Char() {"", "c"})
            Items(count) = New Item()
            'add data to array of Items
            Items(count).ID = words(0)
            Items(count).name = words(1)
            Items(count).price = Double.Parse(words(2))
            count += 1
        End While
        'close file
        reader.Close()
        'show data in list box
        For i As Integer = 0 To count - 1
            lstResult.Items.Add(Items(i).ID + " " + Items(i).name + " $" +
Items(i).price.ToString())
        Next

    End Sub
    ''' <summary>
    ''' FIND ITEM button click Click
    ''' </summary>
    ''' <param name="sender"></param>
    ''' <param name="e"></param>
    ''' <remarks></remarks>
    Private Sub btnFINDITEM_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnFINDITEM.Click
        If txtIDNumber.Text <> "" Then
            lstResult.Items.Clear() 'clae r list box
            Dim isFound As Boolean = False
            'search by id
            For i As Integer = 0 To count - 1
                If Items(i).ID.Equals(txtIDNumber.Text) Then
```



```
        'show items in listbox
        lstResult.Items.Add(Items(i).ID + " " + Items(i).name + " $" +
Items(i).price.ToString())
        'set isFound to true
        isFound = True
    End If
Next
'If Not isFound show message box
If Not isFound Then
    MessageBox.Show("No such id in file", "No found", MessageBoxButtons.OK,
MessageBoxIcon.Information)
    For i As Integer = 0 To count - 1
        lstResult.Items.Add(Items(i).ID + " " + Items(i).name + " $" +
Items(i).price.ToString())
    Next
End If
Else
    'show messagebox with message "Enter id"
    MessageBox.Show("Enter id!", "No found", MessageBoxButtons.OK,
MessageBoxIcon.Information)
End If

End Sub
End Class
```