```vbnet
'Serial programming - btooth
'Activity module
Sub Process_Globals
      Dim Serial1 As Serial
      Dim TextReader1 As TextReader
      Dim TextWriter1 As TextWriter
      Dim Timer1 As Timer
      Dim connected As Boolean
End Sub

Sub Globals
      Dim btnSend As Button
      Dim txtLog As EditText
      Dim txtSend As EditText
End Sub

Sub Activity_Create(FirstTime As Boolean)
      If FirstTime Then
            Serial1.Initialize("Serial1")
            Timer1.Initialize("Timer1", 200)
      End If
      Activity.LoadLayout("1")
      Activity.AddMenuItem("Connect", "mnuConnect")
      Activity.AddMenuItem("Disconnect", "mnuDisconnect")
End Sub
Sub Activity_Resume
      If Serial1.IsEnabled = False Then
            Msgbox("Please enable Bluetooth.", "")
      Else
            Serial1.Listen 'listen for incoming connections
      End If
End Sub
Sub mnuConnect_Click
      Dim PairedDevices As Map
      PairedDevices = Serial1.GetPairedDevices
      Dim l As List
      l.Initialize
      For i = 0 To PairedDevices.Size - 1
            l.Add(PairedDevices.GetKeyAt(i))
      Next
      Dim res As Int
      res = InputList(l, "Choose device", -1) 'show list with paired devices
      If res <> DialogResponse.CANCEL Then
            Serial1.Connect(PairedDevices.Get(l.Get(res))) 'convert the name
to mac address
      End If
End Sub

Sub Serial1_Connected (Success As Boolean)
      If Success Then
            ToastMessageShow("Connected successfully", False)
            TextReader1.Initialize(Serial1.InputStream)
            TextWriter1.Initialize(Serial1.OutputStream)
            Timer1.Enabled = True
            connected = True
      Else
            connected = False
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            Timer1.Enabled = False
            Msgbox(LastException.Message, "Error connecting.")
      End If
End Sub
Sub mnuDisconnect_Click
      Serial1.Disconnect
      connected = False
End Sub

Sub Activity_Pause (UserClosed As Boolean)

End Sub

Sub btnSend_Click
      If connected Then
            TextWriter1.WriteLine(txtSend.Text)
            TextWriter1.Flush
            txtSend.Text = ""
      End If
End Sub
Sub Timer1_Tick
      If connected Then
            If TextReader1.Ready Then 'check if there is any data waiting to
be read
                  txtLog.Text = txtLog.Text & TextReader1.ReadLine & CRLF
                  txtLog.SelectionStart = txtLog.Text.Length
            End If
      End If
End Sub
```
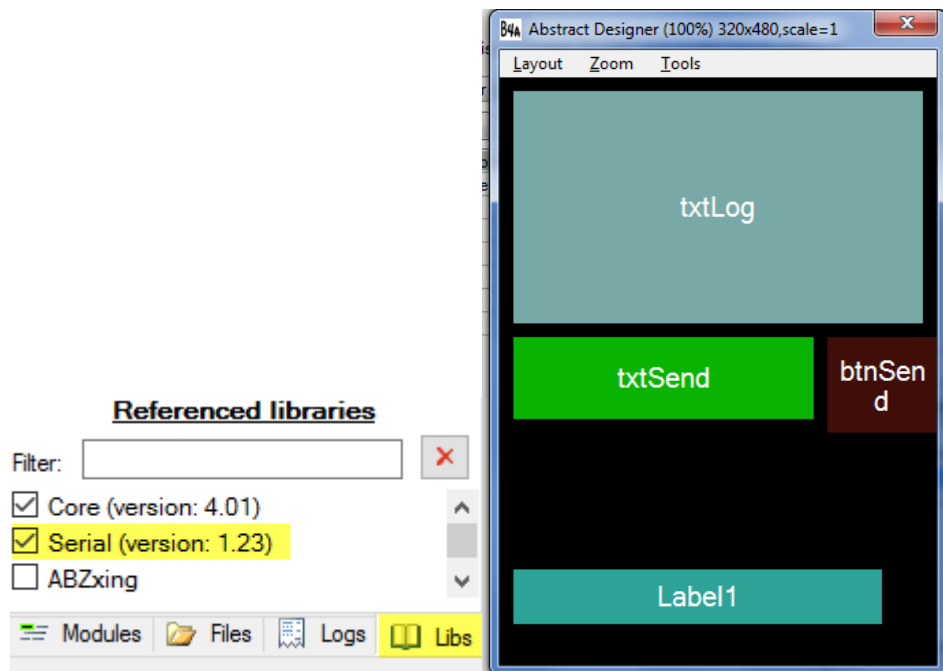
End of Exercise Set B.