Class **TasksClass**

Friend StrArg As String

Friend RetVal As Boolean

Sub **SomeTask()**

' Use the StrArg field as an argument.

MsgBox("The StrArg contains the string " & StrArg)

RetVal = True ' Set a return value in the return argument.

End Sub

End Class

' To use the class, set the properties or fields that store parameters,

' and then asynchronously call the methods as needed.

Sub DoWork()

Dim Tasks As New **TasksClass**

Dim **Thread1** As New System.Threading.Thread(AddressOf Tasks.**SomeTask**)

Tasks.StrArg = "Some Arg" ' Set a field that is used as an argument

**Thread1**.Start() ' Start the new thread.

**Thread1**.Join() ' Wait for thread 1 to finish.

' Display the return value.

MsgBox("Thread 1 returned the value " & Tasks.RetVal)

End Sub

**Thread1**.Start(**Thread1**.Join()) ' Wait for the thread to finish.

**POOL PASANDO PARAMETROS**

Friend Class StateObj

Friend StrArg As String

Friend IntArg As Integer

Friend RetVal As String

End Class

Sub **ThreadPool** Test()

Dim TPool As System.Threading.ThreadPool

Dim StObj1 As New StateObj

Dim StObj2 As New StateObj

' Set some fields that act like parameters in the state object.

StObj1.IntArg = 10

StObj1.StrArg = "Some string"

StObj2.IntArg = 100

StObj2.StrArg = "Some other string"

' Queue a task

TPool.QueueUserWorkItem(New System.Threading.WaitCallback(AddressOf **SomeOtherTask**), StObj1)

' Queue another task

TPool.QueueUserWorkItem(New System.Threading.WaitCallback(AddressOf **AnotherTask**), StObj2)

End Sub

Sub **SomeOtherTask**(ByVal StateObj As Object) ' Use the state object fields as arguments.

Dim StObj As StateObj

StObj = CType(StateObj, StateObj) ' Cast to correct type.

MsgBox("StrArg contains the string " & StObj.StrArg)

MsgBox("IntArg contains the number " & CStr(StObj.IntArg))

' Use a field as a return value.

StObj.RetVal = "Return Value from SomeOtherTask"

End Sub

Sub **AnotherTask**(ByVal StateObj As Object)

' Use the state object fields as arguments. The state object is passed as an Object.

' Casting it to its specific type makes it easier to use.

Dim StObj As StateObj

StObj = CType(StateObj, StateObj)

MsgBox("StrArg contains the String " & StObj.StrArg)

MsgBox("IntArg contains the number " & CStr(StObj.IntArg))

' Use a field as a return value.

StObj.RetVal = "Return Value from AnotherTask"

End Sub