

Possible to pass strings back to ASP from ActiveX?

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2006-05/msg00257.html>

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-

I posted earlier and Chris told me it was possible to pass strings from ASP to an ActiveX object. Is it also possible to pass it back from ActiveX, written in C++, to ASP. I tried to create a new "MFC Smart Device ActiveX control" in VS2005. My methods were visible to ASP and the IObjectSafety was implemented by default but I couldn't return any strings. I couldn't even call a method which didn't return anything and didn't have any in-parameters without getting a:

```
#####
```

HTTP 500.100 – Internal server error – ASP-error

Error type:

(0x8000FFFF)

irrevocable error

/tabletestcpp.asp, line 3

Page:

GET /tabletestcpp.asp

```
#####
```

In AxTestTemplateCtrl1.h I changed:

```
afx_msg int AboutBox(); // Actually AboutBox returned void previously
```

to

```
afx_msg int AboutBox();
```

```
int Question();
```

```
#####
```

In Resource.h I changed:

```
#define IDD_ABOUTBOX_AXTEMPLATETEST1 1
```

to

```
#define IDD_ABOUTBOX_AXTEMPLATETEST1 1
```

```
#define IDD_QUESTION_AXTEMPLATETEST1 1
```

```
#####
```

In AXTemplate.idl I changed:

```
[id(DISPID_ABOUTBOX)] int AboutBox();
```

to

```
[id(DISPID_ABOUTBOX)] int AboutBox();
```

```
[id(DISPID_QUESTION)] int Question();
```

A major part of the file:

```
#define DISPID_QUESTION (-804)
```

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```
[ uuid(DF4F7FC6-E01D-4FFE-8EC5-5916BEE8E034), version(1.0),
helpfile("AxTemplateTest1.hlp"),
helpstring("AxTemplateTest1 ActiveX Control module"),
control ]
library AxTemplateTest1Lib
{
importlib(STDOLE_TLB);

// Primary dispatch interface for CAxTemplateTest1Ctrl

[ uuid(F009FE68-00BB-40AF-822B-09498C1D7961),
helpstring("Dispatch interface for AxTemplateTest1 Control")]
dispinterface _DAxTemplateTest1
{
properties:
methods:

[id(DISPID_ABOUTBOX)] int AboutBox();
[id(DISPID_QUESTION)] int Question();
};

// Event dispatch interface for CAxTemplateTest1Ctrl

[ uuid(FF7AEE09-2089-4978-B6DB-C94EB843A932),
helpstring("Event interface for AxTemplateTest1 Control") ]
dispinterface _DAxTemplateTest1Events
{
properties:
// Event interface has no properties

methods:
};

// Class information for CAxTemplateTest1Ctrl

[ uuid(789AC977-B160-41BE-902A-1D032D722E89),
helpstring("AxTemplateTest1 Control"), control ]
coclass AxTemplateTest1
{
[default] dispinterface _DAxTemplateTest1;
[default, source] dispinterface _DAxTemplateTest1Events;
};

};
#####
```

In AxTestTemplateCtrl1.h I changed:

```
// Dispatch map
```

```
#define DISPID_QUESTION (-804)
```

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```
BEGIN_DISPATCH_MAP(CAxTemplateTest1Ctrl, COleControl)
DISP_FUNCTION_ID(CAxTemplateTest1Ctrl, "AboutBox",
DISPID_ABOUTBOX, AboutBox, VT_I4, VTS_NONE)
//DISP_FUNCTION_ID( theClass, pszName, dispid, pfnMember, vtRetVal,
vtsParams )
END_DISPATCH_MAP()
```

to

```
// Dispatch map
```

```
#define DISPID_QUESTION (-804)
```

```
BEGIN_DISPATCH_MAP(CAxTemplateTest1Ctrl, COleControl)
DISP_FUNCTION_ID(CAxTemplateTest1Ctrl, "AboutBox",
DISPID_ABOUTBOX, AboutBox, VT_I4, VTS_NONE)
DISP_FUNCTION_ID(CAxTemplateTest1Ctrl, "Question", DISPID_QUESTION,
Question, VT_I4, VTS_NONE)
//DISP_FUNCTION_ID( theClass, pszName, dispid, pfnMember, vtRetVal,
vtsParams )
END_DISPATCH_MAP()
#####
```

In AxTestTemplateCtrl1.h I changed:

```
// CAxTemplateTest1Ctrl::AboutBox – Display an "About" box to the user
```

```
int CAxTemplateTest1Ctrl::AboutBox()
{
CDialog dlgAbout(IDD_ABOUTBOX_AXTEMPLATETEST1);
dlgAbout.DoModal();
}
```

to

```
// CAxTemplateTest1Ctrl::AboutBox – Display an "About" box to the user
```

```
int CAxTemplateTest1Ctrl::AboutBox()
{
return 321;
CDialog dlgAbout(IDD_ABOUTBOX_AXTEMPLATETEST1);
dlgAbout.DoModal();
}
```

```
int CAxTemplateTest1Ctrl::Question()
```

```
{
return 321;
}
#####
```

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