

Re: Storing wave files in database

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2006-03/msg01042.html>

- *From:* "Vayse" <vayse@xxxxxxxxxxxxxx>
 - *Date:* Wed, 29 Mar 2006 15:01:07 +0100
-

"nicolasr" <nicolasrNOSPAMATSIGNgm.net> wrote in message
news:%23m8%23XYsUGHA.5592@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hi,

in my current project I need to record audio data
analyse them and store everything in some sort of database.

I have not much experience with databases except for
some small tests with ADO and MS Access, MySql
and Paradox.

I think MS Access will do you fine. Unless you are planning to store over a
million different sounds, it should suit you.

You don't store the Wave files in the database. Leave them on your local
hard drive, or network hard drive.

In your database, you would store the path to the wave file. Heres a sample
of what I mean

SoundID Name FilePath

1 Humming Bird C:\Sounds\Humming.Wav

2 Bass Test C:\Sounds\BassText.Wav

So the user scrolls through your data, in a form you design. Then add a
button to your form to play the file.

It would have code like: `fHandleFile(FilePath, WIN_NORMAL)`

I've posted the code for `fHandleFile` below. This code will open the file,
using whichever program your PC is configured to use.

The code is in Visual Basic 6.

Regards

Vayse

***** Code Start *****

' This code was originally written by Dev Ashish.

' It is not to be altered or distributed,

' except as part of an application.

Re: Storing wave files in database

' You are free to use it in any application,
' provided the copyright notice is left unchanged.

' Code Courtesy of
' Dev Ashish

```
Private Declare Function apiShellExecute Lib "shell32.dll" _  
Alias "ShellExecuteA" _  
(ByVal hwnd As Long, _  
ByVal lpOperation As String, _  
ByVal lpFile As String, _  
ByVal lpParameters As String, _  
ByVal lpDirectory As String, _  
ByVal nShowCmd As Long) _  
As Long
```

App Window Constants

```
Public Const WIN_NORMAL = 1 'Open Normal  
Public Const WIN_MAX = 3 'Open Maximized  
Public Const WIN_MIN = 2 'Open Minimized
```

Error Codes

```
Private Const ERROR_SUCCESS = 32&  
Private Const ERROR_NO_ASSOC = 31&  
Private Const ERROR_OUT_OF_MEM = 0&  
Private Const ERROR_FILE_NOT_FOUND = 2&  
Private Const ERROR_PATH_NOT_FOUND = 3&  
Private Const ERROR_BAD_FORMAT = 11&
```

*****Usage Examples*****

```
'Open a folder: ?fHandleFile("C:\TEMP",WIN_NORMAL)  
'Call Email app: ?fHandleFile("mailto:dash10@xxxxxxxxxxx",WIN_NORMAL)  
'Open URL: ?fHandleFile("http://home.att.net/~dashish, WIN_NORMAL)  
'Handle Unknown extensions (call Open With Dialog):  
' ?fHandleFile("C:\TEMP\TestThis".Win_Normal)  
'Start Access instance:  
' ?fHandleFile("I:\mdbs\CodeNStuff.mdb", Win_NORMAL)
```

```
Function fHandleFile(stFile As String, IShowHow As Long)  
Dim lRet As Long, varTaskID As Variant  
Dim stRet As String
```

'First try ShellExecute

```
lRet = apiShellExecute(hwndAccessApp, vbNullString, _  
stFile, vbNullString, vbNullString, IShowHow)
```

```
If lRet > ERROR_SUCCESS Then
```

```
stRet = vbNullString
```

```
lRet = -1
```

```
Else
```

Re: Storing wave files in database

Re: Storing wave files in database

```
Select Case IRet  
Case ERROR_NO_ASSOC:  
'Try the OpenWith dialog  
varTaskID = Shell("rundll32.exe shell32.dll,OpenAs_RunDLL "  
-  
& stFile, WIN_NORMAL)  
IRet = (varTaskID <> 0)  
Case ERROR_OUT_OF_MEM:  
stRet = "Error: Out of Memory/Resources. Couldn't Execute!"  
Case ERROR_FILE_NOT_FOUND:  
stRet = "Error: File not found. Couldn't Execute!"  
Case ERROR_PATH_NOT_FOUND:  
stRet = "Error: Path not found. Couldn't Execute!"  
Case ERROR_BAD_FORMAT:  
stRet = "Error: Bad File Format. Couldn't Execute!"  
Case Else:  
End Select  
End If  
fHandleFile = IRet &  
If(stRet = "", vbNullString, " " & stRet)  
End Function
```

.