

Re: Record Lookup

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vb/2007-09/msg00526.html>

- *From:* "Patrice" <<http://www.chez.com/scribe/>>
 - *Date:* Tue, 11 Sep 2007 19:34:32 +0200
-

For example a self contained sample :

```
Dim dt As New DataTable
dt.Columns.Add("Field1", GetType(String))
dt.Columns.Add("Field2", GetType(String))
dt.Columns.Add("Label", GetType(String))
dt.Rows.Add(New Object() {"1", "A", "This is row 1A."})
dt.Rows.Add(New Object() {"2", "B", "This is row 2B."})
```

```
Dim SelectedRows() As DataRow
SelectedRows = dt.Select("Field1=1")
MsgBox(SelectedRows(0)("Label"))
SelectedRows = dt.Select("Field2='B'")
MsgBox(SelectedRows(0)("Label"))
SelectedRows = dt.Select("Field2='Z'")
MsgBox(SelectedRows.Length)
```

Note that :

– The select method returns all rows matching the criteria. In your case you could make sure that you get only a single row back (or what if you use another criteria that returns more rows ?)

– Note that the length is 0 in the 3rd case and you can check that in case your criteria would return no records.

I suggest the online documentation :

– <http://msdn2.microsoft.com/en-us/library/63bf39c2.aspx> (all technologies in particular ADO.NET) for broad overviews/introductory material

– for example <http://msdn2.microsoft.com/en-us/library/63bf39c2.aspx> for particular references and you have often code samples

You can use the object browser to quickly browse classes or methods for a particular class before checking the doc for the method that looks the one you are looking for...

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Patrice

"MikeS" <MikeS@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> a écrit dans le message de news:
6B01D10B-5A7F-41ED-80E9-8D49B11763C5@xxxxxxxxxxxxxxxxxxxx

Patrice, thank you for your comments and effort. Unfortunately, that doesn't tell me what I need to know. As I originally mentioned, I am a novice and any help would have to be in the form of very precise syntax or at least a very good example. I also mentioned that I tried setting changing the primary key in the table to the field that I wanted to use for the search criteria and that didn't work.

Any additional information you could add would be greatly appreciated.

Thanks,

Mike

"Patrice" wrote:

From <http://msdn2.microsoft.com/en-us/library/ydd48eyk.aspx> (Find documentation) :

[To use the Find method, the DataTable object to which the DataRowCollection object belongs must have at least one column designated as a primary key column. See the PrimaryKey property for more information about how to create a primary key column.]

So Find can only search using the primary key...

Depending on what you are trying to do you could use the DataTable.Select method or DataTable.DefaultView.RowFilter property to select rows using a more general criteria.

A a side note (and I know this is not your code) IMO it would better to check explicitly if the criteria returns nothing. The code doesn't work if a row is not found. It raises an error and then display a message saying that the row is not found. Actually it will display the message regardless of the real reason for which the code fails (for example you could test

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if
the found row is nothing so that an error is raised only if you have a
real
error)...

Patrice

"MikeS" <MikeS@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> a écrit dans le message
de
news:
EF0501C3-CC9B-4A5E-A4F3-DBC53163777E@xxxxxxxxxxxxxxxxxxxx

The Access file name is "ItemMaster.dbf"
The table name is "Itemlist"
The field names are "ID (primary), ITNBR, ITDSC,
UCDEF"

This is the code that populates the combobox:

```
cboItemNum.DataSource =  
ItemMasterDataSet1.Tables("ItemList")  
cboItemNum.DisplayMember = "ID"
```

The following is the code snippet I found to search the table:

```
Dim strItemNum As String  
Dim drSelectedRecord As DataRow  
strItemNum = cboItemNum.Text  
  
drSelectedRecord =  
ItemMasterDataSet1.ItemList.Rows.Find(strItemNum)  
  
Try  
lblItemDesc2.Text = drSelectedRecord(1).ToString & _  
" - " & drSelectedRecord(2).ToString  
  
Catch ex As Exception  
MsgBox("Record " & strItemNum & " was not found.")  
  
End Try
```

The problem is I can only search by "ID" and I want to
search by
"ITNBR".
I
have
tried changing the primary field and "DisplayMember" to
"ITNBR". This
will

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change the field in my combo box but I get an error when I do the lookup.

Let me know if you need any additional information.

Thanks in advance.

Mike

"rowe_newsgroups" wrote:

On Sep 11, 9:18 am, MikeS
<Mi...@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote:

I have searched Google with every possible combination of key words I can imagine and have not been able to find an answer to what I think is a very simple question and probably has a very simple solution.

Keep in mind.....I am a NOVICE programmer, so you will have to spell it out for me.

I am trying to write a very simple program in VB.Net 2005. that will search a single Access database table and return the value of one field based on criteria that I provide for any other field I choose. The only way

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I
have
had any success is if I
search by the primary key
field, which does
not
give
me the versatility that I
need.

Can anyone point me to
some sample code that will
help me accomplish
this?

Thanks in advance.

Mike

You should connect with the OleDb
database providers and then do the
search with a simple Sql query.

If you post a bit of the target table's schema
(column names mainly)
and tell me which fields you need to search
I'll be more than happy to
write up some simple code for you.

Thanks,

Seth Rowe