

Re: Binding a grid to master/detail related datatables

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.general/2007-04/msg00412.html>

- *From:* "RobinS" <RobinS@xxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 18 Apr 2007 11:05:57 -0700
-

anonymous,

You know his next post is going to be, "I used the SqlCommandBuilder to build my command objects, but it won't update the database." ;-)

J.Matthews — I agree with anonymous that this is the way to go. But if you want to do updates, you will need to program them manually.

Robin S.

"anonymous" <anonymous@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:423648E4-5801-4C1F-A960-DD77927DE451@xxxxxxxxxxxxxxxxxxx

I would use Joins in your SQL Query that retrieves the data. Typically I recommend Stored Procedures for accessing your database, but that usually depends on your work environment. The SQL Query to pull the data you are looking for goes like this:

```
SELECT Person.PersonID,  
       Person.Forename,  
       Address.HouseName,  
       Street.StreeName  
FROM Person  
JOIN Address ON Adress.AddrId = Person.AddrId  
JOIN Street ON Sreet.StreetID = Address.StreetId
```

The above SQL Query should give you the data you need. You can take that data and bind it to your GridView. I have found the following website to be very useful in answering any questions I may have about SQL. I would also point out that performing an operation like this is usually most easily done in a language like SQL, not an imperative language like C#, but that may change in C# 3.0. <http://www.w3schools.com/sql/default.asp>

Re: Binding a grid to master/detail related datatables

"J.Matthews" wrote:

Picture the cut down scenario...

Say I have three datatables (Person, Address, Street) that are linked with datarelation objects using the PK/FK associations...

Person

PersonId {PK}
AddrId {FK}
Forename
...

Address

AddrId {PK}
StreetId {FK}
HouseName
...

Street

StreetId {PK}
StreetName

How can I BIND a datagrid to the Person datatable to show all person rows and include data from Parent table (HouseName from Address) and from the parent table again (StreetName from Street) for each row.

Grid example

PersonId | Forename | HouseName | StreetName

1 Bill billshouse York Street
2 Stan stanshouse York Street
3 Tom tomshouse New Street
etc

I know you can do the reverse. So for this scenario you could have a hierarchical grid binding to the master datatable Street and working down to the detail person but I don't want that.

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Any help appreciated!