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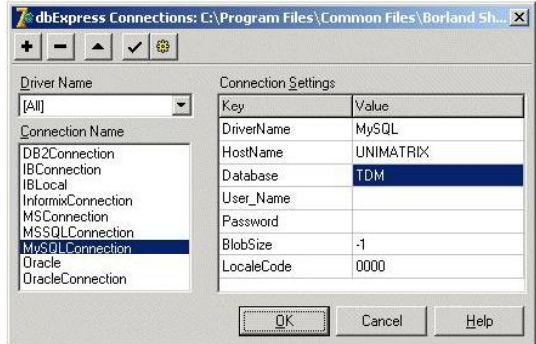
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'old' DLL with version 3.23.x include the fact that you will not see table names, can only access the first 10 fields of records, and get frequent access violations).

Apart from the `LibraryName`, we must also take a look at the `VendorLib` which gets set to `LIBMYSQL.dll`. Unfortunately, after you install MySQL, this DLL is not added to the search path. It can be found in `c:\MySQL\bin`, and you can either add `c:\MySQL\bin` to the search path, or copy the `MySQL.dll` somewhere in the path, like the `WinNT\System32` directory. A third alternative consists of using a hardcoded `c:\mysql\bin\ LIBMYSQL.dll` property value. Finally, you may want to edit the `Connection` properties to specify the correct database to connect to (see Figure 2).

» **Figure 2: dbExpress MySQL Connection Properties.**



When you want to make the connection, the correct username/ password combination is either empty (for the `Test` database), or just `root` as the username (for all other databases), unless you have already created some new users with one of the MySQL administration tools. You can use a `TSQLTable`, `TSQLDataSet` or `TSQLQuery` component connected to the `TSQLConnection` to open the customer table that we've just created using the MySQL monitor. Since this table is empty, you may want to

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» **Table 1**

Component	Property	Value
TSQLTable	Name SQLConnection TableName	SQLTableCustomer SQLConnection1 customer
TDataSetProvider	Name DataSet	dspCustomer SQLTableCustomer
TClientDataSet	Name ProviderName	cdsCustomer dspCustomer
TDataSource	Name DataSet	dsCustomer cdsCustomer

The most important difference between using dbExpress and the BDE is that we need the `DataSetProvider` and `ClientDataSet` between our (unidirectional and read-only) dbExpress data access components and the `DataSource` and data-aware controls. This takes some time to get used to, but will quickly become second nature.

With a `DBNavigator` and a number of `DBEdits` (or a `DBGrid`) connected to the `DataSource` component, you can finish this data entry form. Note, however, that in order to save the changes back into the MySQL customer table we have to explicitly call `ApplyUpdates`. This can be done in the `OnAfterPost` or `OnAfterDelete` event handler of the `cdsCustomer`, or you can use an explicit `OnClick` event handler for a button (if you decide to use the latter, then make sure you also include a check for the `cdsCustomer.ChangeCount` in the `OnClose` event handler of your form, to prevent your users from accidentally closing the form without saving the

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