

Symptoms

If you dimension an object as a **Recordset** and then set that object to **databaseobject.OpenRecordset(source)**, you may receive the following error message:

```
Run time error '13': Type mismatch
```

Cause

If your project contains references to both the **Data Access Objects (DAO)** library and the **ActiveX Data Objects (ADO)** library, you may see multiple Recordset entries in the list when you dimension the **Recordset** object.

This error occurs when you list the **ADO** library with a higher priority than the **DAO** library in the **References** dialog box, regardless of which **Recordset** entry you select from the list.

Resolution

If you need only the **DAO Recordset** object, make sure that the reference for the **DAO** object library has a higher priority in the **References** dialog box, or clear the reference to **Microsoft ActiveX Data Objects**.

If you must reference and use both **DAO** and **ADO Recordset** objects, dimension the objects explicitly as follows:

```
Dim adoRS As ADODB.Recordset
```

```
Dim daoRS As DAO.Recordset
```

Steps to reproduce the behavior

- Start **Visual Studio**. The **New Project** dialog box appears.
- Click **Open**. The **Form1** form appears.
- Right-click the **Form1** form, and then click **View Code**. The **Project1 - Form1 (Code)** window appears.

Paste the following code in the **Project1** code page:

```
Dim dbs AS Database
Dim rs AS Recordset ' When you press the spacebar after "AS," the
                    ' list box includes multiple Recordset entries.
                    ' Pick any Recordset item, or type "Recordset."

Private Sub Form_Load()
Set dbs=OpenDatabase(dbname)
Set rs=dbs.OpenRecordset(source) ' The error occurs when this line
                                ' of code executes.

End Sub
```

- On the Project menu, click **References**. The **References - Project1** dialog box appears.
- Click **Microsoft DAO 3.x Object Library**, click **Microsoft ActiveX Data Objects 2.x Library**, and then click **OK**.

NOTE: Make sure that the **ADO** library has the higher priority in the References dialog box list above the **DAO** library.

- On the **Run** menu, click **Start** to run the program. You may receive the error message that is mentioned in the "**Symptoms**" section.