Location of database.
This is connstr
Using the CurrencyManager and DataBinding.
Without the where that links the tables I get every possible combination.
DataSet
table: Sql.Donor
table: Sql.Donation
```vbnet
Sub FillTextBoxes()
    Dim Text as string
    Text = CStr(donation.Tables("Donor20000").Rows(r).Cells("ID")).ToString() 'Or CStr(donation.Tables("Donor20000").Rows(r).Cells("ID")).ToString()
    txtID.Text = Text
    txtName.Text = CStr(donation.Tables("Donor20000").Rows(r).Cells("Name")).ToString()
    txtDOB.Text = CStr(donation.Tables("Donor20000").Rows(r).Cells("DOB")).ToString()
End Sub
```

```vbnet
Private Sub btnView_Click(sender As System.Object, e As System.EventArgs) Handles btnView.Click
    Dim roundCount As Integer = 0
    Dim roundIndex As Integer = 0
    Dim SourceLink As String = "C:\Donation\Donor20000.csv"
    Dim table As String = "Donor20000".
    Dim connection As String = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=Donation20000.csv; Persist Security Info=False; User ID=; Password=""
    Dim accessToken As String = "your_access_token"
    Dim accessTokenSecret As String = "your_access_token_secret"
    Dim requestToken As String = "request_token".ToString()
    Dim requestSecret As String = "request_secret".ToString()
    Dim authorizationCode As String = "authorization_code".ToString()
    Dim donor As New Excel.WoWDataAdaptor()
    donor.Connect(connection)
    donor.LoadTableData(table)
    donor.Dispose()
End Sub
```

```vbnet
Private Sub btnMatch_Click(sender As System.Object, e As System.EventArgs) Handles btnMatch.Click
    Dim donation As New Donation.DataAdaptor()
    donation.Connect(connection)
    donation.LoadTableData(table)
    donation.Dispose()
End Sub
```

```vbnet
Private Sub btnPrevious_Click(sender As System.Object, e As System.EventArgs) Handles btnPrevious.Click
    If roundIndex = 0 Then
        FillTextBoxes()
    Else
        roundIndex = roundIndex - 1
        FillTextBoxes()
    End If
End Sub
```
```csharp
Private Sub btnCheckGPA_Click(sender As System.Object, e As System.EventArgs) Handles btnCheckGPA.Click
    Dim lowGPA As Decimal
    Dim highGPA As Decimal
    lowGPA = InputBox("Enter the low GPA range")
    highGPA = InputBox("Enter the high GPA range")
    If lowGPA > highGPA Then
        MsgBox("Please enter the major you want")
    Else
        Dim sqlString As String = "SELECT * FROM table1 WHERE GPA BETWEEN " & lowGPA & " AND " & highGPA
        Dim oleDbConnection As New OleDbConnection(me.dbconnection)
        Dim oleDbDataAdapter As New OleDbDataAdapter(sqlString, oleDbConnection)
        oleDbDataAdapter.Fill(tabGPA)
    End If
End Sub
```

```csharp
Private Sub btnCheckGPAMajor_Click(sender As System.Object, e As System.EventArgs) Handles btnCheckGPAMajor.Click
    Dim lowGPA As Decimal
    Dim highGPA As Decimal
    lowGPA = InputBox("Enter the low GPA range")
    highGPA = InputBox("Enter the high GPA range")
    If lowGPA > highGPA Then
        MsgBox("Please enter the major you want")
    Else
        Dim sqlString As String = "SELECT * FROM table1 WHERE GPA BETWEEN " & lowGPA & " AND " & highGPA
        Dim oleDbConnection As New OleDbConnection(me.dbconnection)
        Dim oleDbDataAdapter As New OleDbDataAdapter(sqlString, oleDbConnection)
        oleDbDataAdapter.Fill(tabGPAMajor)
    End If
End Sub
```

```csharp
Private Sub btnCheckGPA bodyParser_Click(sender As System.Object, e As System.EventArgs) Handles btnCheckGPA bodyParser.Click
    Dim lowGPA As Decimal
    Dim highGPA As Decimal
    lowGPA = InputBox("Enter the low GPA range")
    highGPA = InputBox("Enter the high GPA range")
    If lowGPA > highGPA Then
        MsgBox("Please enter the low GPA range")
    Else
        Dim sqlString As String = "SELECT * FROM table1 WHERE GPA BETWEEN " & lowGPA & " AND " & highGPA
        Dim oleDbConnection As New OleDbConnection(me.dbconnection)
        Dim oleDbDataAdapter As New OleDbDataAdapter(sqlString, oleDbConnection)
        oleDbDataAdapter.Fill(tabGPA bodyParser)
    End If
End Sub
```
Good notes to review SQL are under my CIS159 class.

<table>
<thead>
<tr>
<th>idno</th>
<th>name</th>
<th>major</th>
<th>gpa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1234</td>
<td>Mary Smith</td>
<td>CI</td>
<td>3.40</td>
</tr>
<tr>
<td>2222</td>
<td>Linda French</td>
<td>CI</td>
<td>3.60</td>
</tr>
<tr>
<td>2345</td>
<td>David Costa</td>
<td>CI</td>
<td>3.50</td>
</tr>
</tbody>
</table>

3 rows in set (0.00 sec)

```sql
mysql> select idno, name, major, gpa
    -> from testfirst
    -> where major = 'CI' or gpa < 3;
```

<table>
<thead>
<tr>
<th>idno</th>
<th>name</th>
<th>major</th>
<th>gpa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1111</td>
<td>John Doe</td>
<td>CI</td>
<td>3.20</td>
</tr>
<tr>
<td>1234</td>
<td>Mary Smith</td>
<td>CI</td>
<td>3.40</td>
</tr>
<tr>
<td>2222</td>
<td>Linda French</td>
<td>CI</td>
<td>3.60</td>
</tr>
<tr>
<td>2345</td>
<td>David Costa</td>
<td>CI</td>
<td>3.50</td>
</tr>
<tr>
<td>3333</td>
<td>Robert Brooks</td>
<td>BU</td>
<td>2.95</td>
</tr>
<tr>
<td>3456</td>
<td>Amy Richards</td>
<td>CI</td>
<td>2.80</td>
</tr>
</tbody>
</table>

6 rows in set (0.00 sec)

```sql
mysql> select idno, name, major, gpa
    -> from testfirst
    -> where major = 'CI' and (gpa > 3.5 or gpa < 3);```

<table>
<thead>
<tr>
<th>idno</th>
<th>name</th>
<th>major</th>
<th>gpa</th>
</tr>
</thead>
<tbody>
<tr>
<td>2222</td>
<td>Linda French</td>
<td>CI</td>
<td>3.60</td>
</tr>
<tr>
<td>3456</td>
<td>Amy Richards</td>
<td>CI</td>
<td>2.80</td>
</tr>
</tbody>
</table>

2 rows in set (0.00 sec)
## Table 1: Test Results

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Major</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2222</td>
<td>Linda</td>
<td>CI</td>
<td>3.20</td>
</tr>
<tr>
<td>1234</td>
<td>Mary</td>
<td>CI</td>
<td>3.40</td>
</tr>
<tr>
<td>3333</td>
<td>Robert</td>
<td>CI</td>
<td>3.60</td>
</tr>
<tr>
<td>2222</td>
<td>Linda</td>
<td>CI</td>
<td>3.20</td>
</tr>
<tr>
<td>2345</td>
<td>David</td>
<td>CI</td>
<td>3.50</td>
</tr>
</tbody>
</table>

## Table 2: Test Results

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Major</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1234</td>
<td>Mary</td>
<td>CI</td>
<td>3.40</td>
</tr>
<tr>
<td>2222</td>
<td>Linda</td>
<td>CI</td>
<td>3.60</td>
</tr>
<tr>
<td>2345</td>
<td>David</td>
<td>CI</td>
<td>3.50</td>
</tr>
</tbody>
</table>

## Table 3: Test Results

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Major</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1234</td>
<td>Mary</td>
<td>CI</td>
<td>3.40</td>
</tr>
<tr>
<td>2222</td>
<td>Linda</td>
<td>CI</td>
<td>3.60</td>
</tr>
<tr>
<td>2345</td>
<td>David</td>
<td>CI</td>
<td>3.50</td>
</tr>
</tbody>
</table>