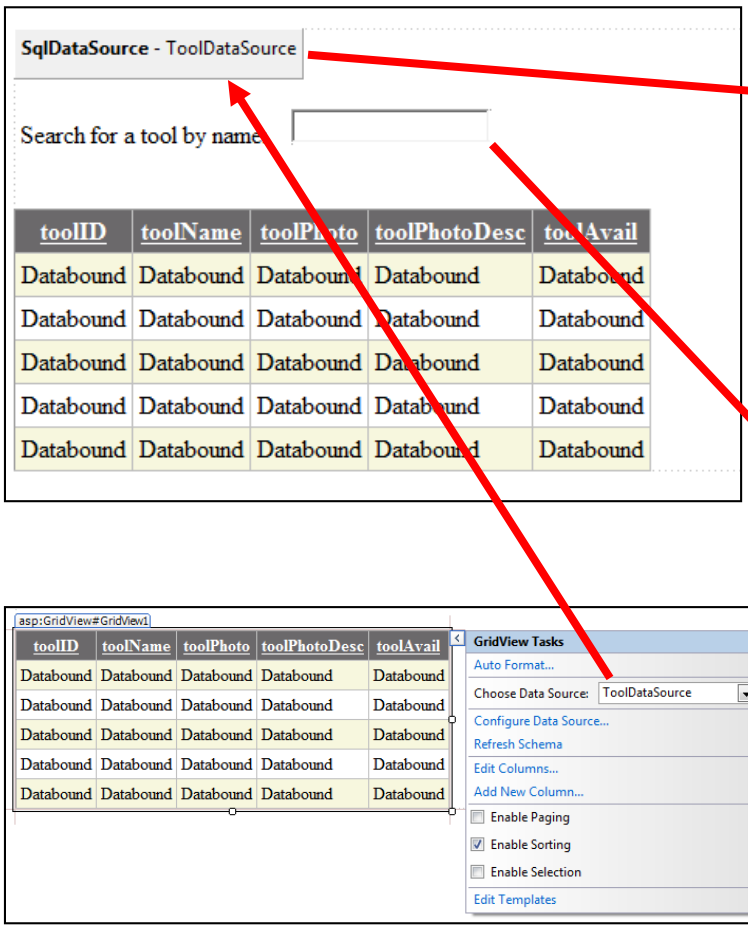
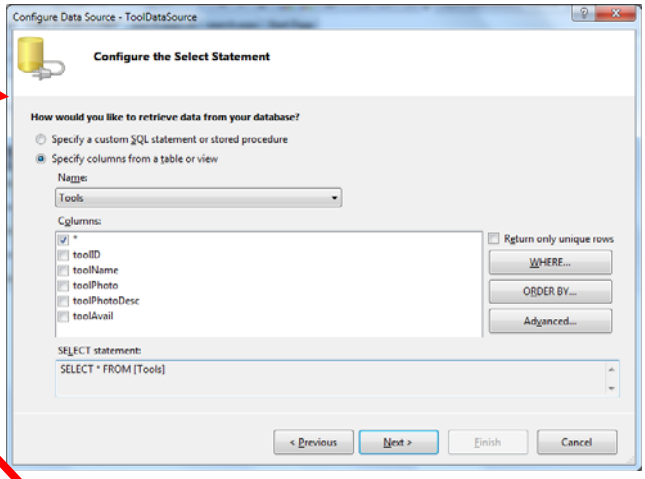
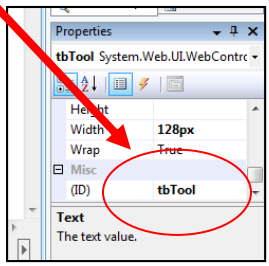
Creating a Search Page

1. Create a new ASP page named search.aspx

2. From Design view (search.aspx)
    a. Configure an SQL Data Source for the table(s) you want to query.
    b. Insert a textbox and give it a unique ID.
    c. Insert a gridview and configure it to use the data source you configured above.

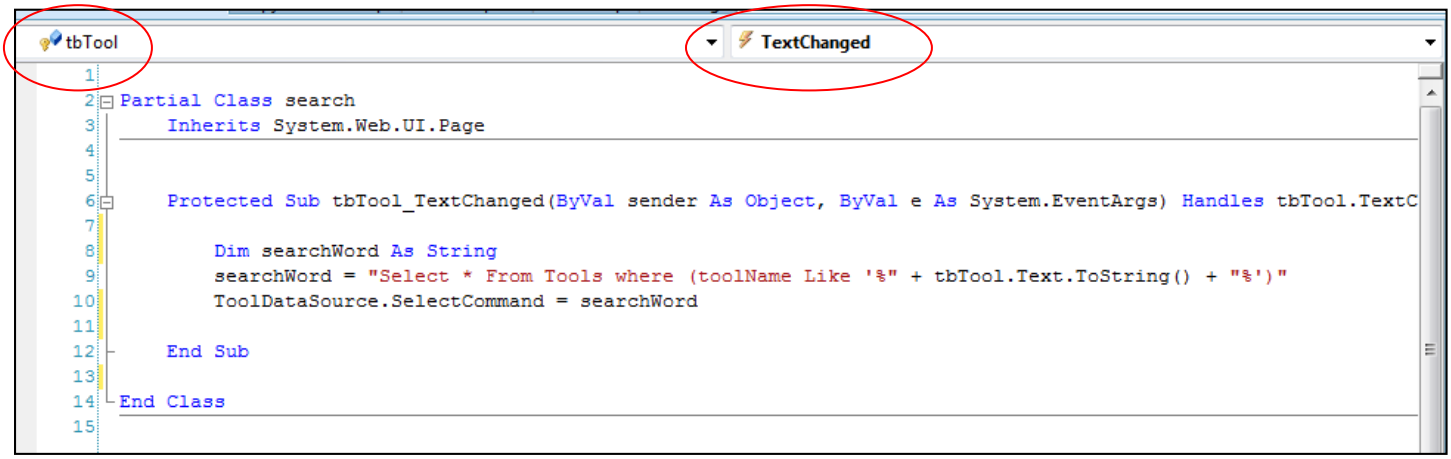






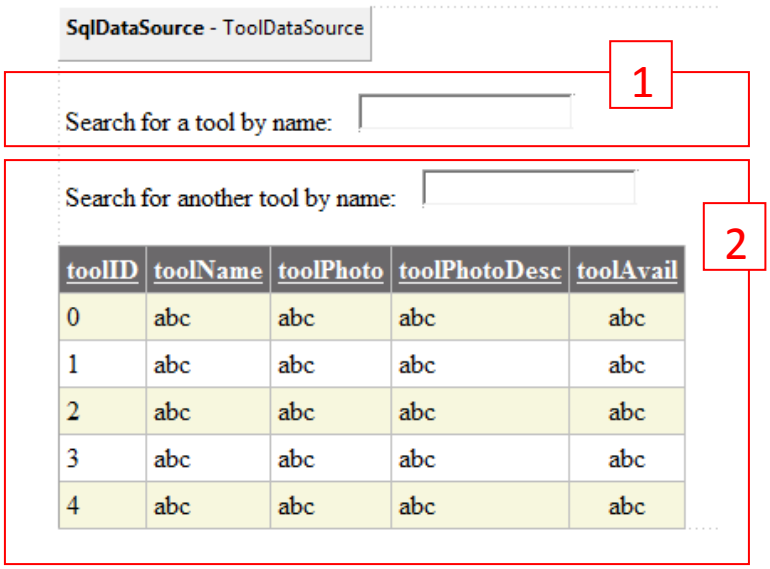
3. From the code behind page (search.aspx.vb)
    a. Select the unique ID you created for the textbox (tbTool) for the object.
    b. Select the TextChanged method.
        i. An event handler will be created.
    c. Enter the code to take the words entered in the text box and search for matching values in a particular database field.

```
‘ Declare a variable
Dim searchWord As String

‘ Set the variable equal to the SQL statement to perform the search
searchWord = "Select * From Tools where (toolName Like '%" _
                                                + tbTool.Text.ToString() + "%')"

‘ Apply the variable (SQL statement) to the data source
ToolDataSource.SelectCommand = searchWord
```



When the search page is loaded the text box is presented for the user to enter their search. After the user enters their word(s) to search and presses <Enter> the TextChanged event handler fires. The word(s) from the search box are collected and written to the variable searchWord, which also includes the SQL statement to search the table and field for the words. After the string searchWord is built, it is passed to the data source that connects to the database. The results of the search are returned to the gridview.

Add More Functionality To Search Using PostBack



If the page is not in postback, part 1 is the only piece of the page that will display. When a user enters a search term and presses <enter> the page enters postback. The search results are displayed in the gridview. In postback the user is presented with another search box so they can search for another keyword (part 2).

1. Follow the procedure above for creating a search page.
2. Add a second text box, and give it a unique ID.
3. Switch to source view.
4. Create the logic to test for postback
    a. Test to see if the page is in postback

```
<% If Not IsPostBack Then%>
```

    b. If this is the first time the page has loaded, display Textbox #1 .
    c. If the page is in postback (the user has enter a search term and clicked <enter>.

```
<% Else %>
```

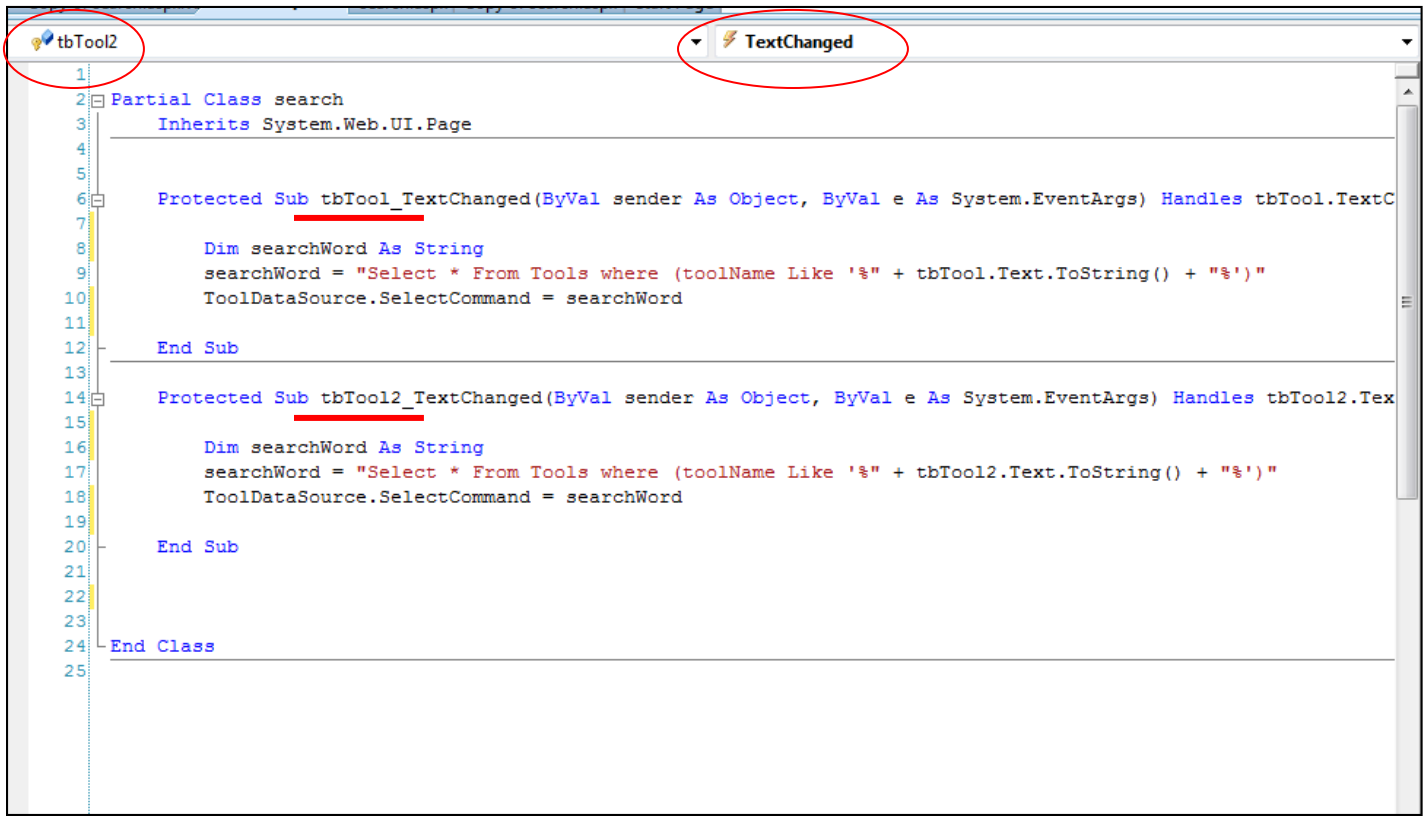
    d. Then display the results in gridview and display Textbox #2.
5. End the logic

```
<% End If %>
```

6. Modify the code behind (.aspx.vb) file to account for the additional textbox in postback.

NOTE: See source code on the next pages.

```
<% If Not IsPostBack Then%>

        Search for a tool by name:   
        <asp:TextBox ID="tbTool" runat="server" AutoPostBack="True"></asp:TextBox>


<% Else%>

   Search for another tool by name:   
        <asp:TextBox ID="tbTool2" runat="server" AutoPostBack="True"></asp:TextBox>
        <br />
        <br />

        <asp:GridView ID="GridView1" runat="server" AllowSorting="True"
            AutoGenerateColumns="False" BackColor="White" BorderColor="#DEDFDE"
            BorderStyle="None" BorderWidth="1px" CellPadding="4" DataKeyNames="toolID"
            DataSourceID="ToolDataSource" ForeColor="Black" GridLines="Vertical">
            <RowStyle BackColor="#F7F7DE" />
            <Columns>
                <asp:BoundField DataField="toolID" HeaderText="toolID"
InsertVisible="False"
                    ReadOnly="True" SortExpression="toolID" />
                <asp:BoundField DataField="toolName" HeaderText="toolName"
                    SortExpression="toolName" />
                <asp:BoundField DataField="toolPhoto" HeaderText="toolPhoto"
                    SortExpression="toolPhoto" />
                <asp:BoundField DataField="toolPhotoDesc" HeaderText="toolPhotoDesc"
                    SortExpression="toolPhotoDesc" />
                <asp:BoundField DataField="toolAvail" HeaderText="toolAvail"
                    SortExpression="toolAvail" >
                <ItemStyle HorizontalAlign="Center" />
                </asp:BoundField>
            </Columns>
            <FooterStyle BackColor="#CCCC99" />
            <PagerStyle BackColor="#F7F7DE" ForeColor="Black" HorizontalAlign="Right" />
            <SelectedRowStyle BackColor="#CE5D5A" Font-Bold="True" ForeColor="White" />
            <HeaderStyle BackColor="#6B696B" Font-Bold="True" ForeColor="White" />
            <AlternatingRowStyle BackColor="White" />
        </asp:GridView>
<% End If %>
```



To configure your text box to search more than one database field

(ie. toolName & toolDescription)

searchToolName = "Select * From Tools where (toolName Like '%" + tbToolNameSearch.Text.ToString() + "%') or (toolPhotoDesc Like '%" + tbToolNameSearch.Text.ToString() + "%')"