

# Simple ASP Demonstration Application

## Quickstart Guide

This Guide is designed to help you build your own ASP database applications using Westfaro Corporation's ASP Scripts as the starting point.

## A preview

To see what you can generate, navigate to:

<http://www.westfaro.com/software/kickstart/demo/asp/DemoASP01/default.asp>

This will show a page like Figure 1 with two menus. The body of the page is blank but you could include typical Home page information. This demo uses the Northwind demonstration database shipped with Microsoft Access so the LHS menu items list the tables from that Database.



Figure 1 - Default Page

Click on the Products link. This will show a page with a Search form for Products. At the bottom is a Key that explains the Icons used by the application. Enter  as the **Productname** and  as the **Unitprice** and then click the search icon. The search operation will return a page showing the products that satisfy the search conditions; Products names that start with C and cost less than 30. If the database has not been updated then the page will look like that shown in Figure 2.

### Maintain Products Table

Home Westfaro

	Action	Productname	Quantityperunit	Unitprice	Unitsinstock	Unitsonorder	Reorderlev
<a href="#">Home</a>		C*		<30	0	0	0
<a href="#">Categories</a>		Chai	10 boxes x 20 bags	18	39	0	
<a href="#">Customers</a>		Chang	24 - 12 oz bottles	19	17	40	
<a href="#">Employees</a>		Chef Anton's Cajun Seasoning	48 - 6 oz jars	22	53	0	
<a href="#">OrderDetails</a>		Chartreuse verte	750 cc per bottle	18	69	0	
<a href="#">Orders</a>		Chocolade	10 pkgs.	12.75	15	70	
<a href="#">Products</a>							
<a href="#">Shippers</a>							
<a href="#">Suppliers</a>							

**Key**

- Search based on criteria. % or \* are wild-cards. Fields may be preceded by <=, >=, <>, <, > and =.

- Insert a new row    - View current row    - Edit current row    - Delete curent row

**Figure 2 - Results of Products search**

To see a detailed view for a particular item, click on the View icon in the action column. This will display a page like the one shown in Figure 3.

### Maintain Products Table

Home Westfaro

	View Products	
<a href="#">Home</a>	Productname	Chef Anton's Cajur
<a href="#">Categories</a>	Quantityperunit	48 - 6 oz jars
<a href="#">Customers</a>	Unitprice	22
<a href="#">Employees</a>	Unitsinstock	53
<a href="#">OrderDetails</a>	Unitsonorder	0
<a href="#">Orders</a>	Reorderlevel	0
<a href="#">Products</a>	Discontinued	<input type="checkbox"/>
<a href="#">Shippers</a>	CategoryID	2
<a href="#">Suppliers</a>	SupplierID	2
	<a href="#">Back to list</a>	

**Figure 3 - Detail view of Product record 1**

## ***Creating the application***

1. Download the SimpleASP01.zip file and extract the scripts (.ksc extension).

2. Connect to the Northwind database using Kickstart.
3. Open up the Utility.KSC script and change the database connection constants as required for your database type.
4. Select the ASP Script IncludeAll.ksc
5. Select a destination folder on your web server
6. Click the Generate button
7. Extract the Images folder from SimpleASP01.zip and create an Images subfolder in the destination folder to hold the images.
8. Navigate to Default.ASP using your browser
9. Repeat for your own databases

### ***Next steps***

The raw generated code could obviously do with some cleaning up. The biggest problem is the way it displays foreign keys (lookups). Since the Database doesn't know which columns in the **Categories** and **Suppliers** tables should be displayed to the user, Kickstart uses the referenced column by default. However, you can use Kickstart to choose which columns should be displayed in a foreign key relationship. For **Categories**, you might choose **Categoryname** or **Description** or both.

A second problem is that the application shows every column in the Search form, the search results and the detailed view. In the first two cases, you will probably want to reduce the number of columns to those most useful for searching.

A third problem is that labels are taken directly from Database column names. You will probably want to change a few of them. If you use the convention of using meaningful column names with the component words separated by underscores, then Kickstart will display them better.

### ***Customizing the generated code***

Some application generators attempt to generate working applications but they are often difficult to customize. Others generate source code only a computer could like.

The thinking behind Kickstart is different. Lots of database and application code is repetitive. Programmers develop a template that works for one table and then cut and paste that code for the next table. Kickstart automates that grunt work. Write your best code for one table, convert that code into a Kickstart script and you've written the code for every table. When you have a large database with dozens or hundreds of tables, being able to replicate your best database code at the touch of a button is awesome.

Appendix 1 shows the ASP code that Kickstart created for one database table using the demonstration ASP script:

## Appendix 1 – ASP Code created using demonstration ASP script

```
<SCRIPT LANGUAGE="VBScript" RUNAT="Server"></SCRIPT>
<%Option Explicit%>
<%Response.Buffer = true%>
<HTML>
<HEAD>
<META NAME="GENERATOR" Content="Kickstart Script TableMaster.KSC">
<TITLE>Products</TITLE>
<link rel="stylesheet" type="text/css" href="PageStyle.css">
</HEAD>
<script language="JavaScript1.2" >
function validateForm(form)
{
    return (true);
}
</script>
<!-- #Include file="utility.asp" -->
<%
'
' ADO connection object
Dim m_cConnection
'
' URL action variable
Dim m_strAction
'
' Zero date
Dim m_dteUninitialized
'
' Table Columns & Search Relational Operator
Dim m_lngProductID
Dim m_strProductIDRelop
Dim m_strProductName
Dim m_strProductNameRelop
Dim m_lngSupplierID
Dim m_strSupplierIDRelop
Dim m_lngCategoryID
Dim m_strCategoryIDRelop
Dim m_strQuantityPerUnit
Dim m_strQuantityPerUnitRelop
Dim m_curUnitPrice
Dim m_strUnitPriceRelop
Dim m_intUnitsInStock
Dim m_strUnitsInStockRelop
Dim m_intUnitsOnOrder
Dim m_strUnitsOnOrderRelop
Dim m_intReorderLevel
Dim m_strReorderLevelRelop
Dim m_blnDiscontinued
Dim m_strDiscontinuedRelop

Sub GetSearchCriteria
    Dim strField

    ParseField Request.Form("ctlProductID") & "", strField, m_strProductIDRelop
    m_lngProductID = NumVal(strField)
    ParseField Request.Form("ctlProductName") & "", strField, m_strProductNameRelop
    m_strProductName = strField
    ParseField Request.Form("ctlSupplierID") & "", strField, m_strSupplierIDRelop
    m_lngSupplierID = NumVal(strField)
    ParseField Request.Form("ctlCategoryID") & "", strField, m_strCategoryIDRelop
    m_lngCategoryID = NumVal(strField)
    ParseField Request.Form("ctlQuantityPerUnit") & "", strField, m_strQuantityPerUnitRelop
    m_strQuantityPerUnit = strField
    ParseField Request.Form("ctlUnitPrice") & "", strField, m_strUnitPriceRelop
    m_curUnitPrice = NumVal(strField)
    ParseField Request.Form("ctlUnitsInStock") & "", strField, m_strUnitsInStockRelop
    m_intUnitsInStock = NumVal(strField)
    ParseField Request.Form("ctlUnitsOnOrder") & "", strField, m_strUnitsOnOrderRelop
```

```

m_intUnitsOnOrder = NumVal(strField)
ParseField Request.Form("ctlReorderLevel") & "", strField, m_strReorderLevelRelop
m_intReorderLevel = NumVal(strField)
ParseField Request.Form("ctlDiscontinued") & "", strField, m_strDiscontinuedRelop
m_blnDiscontinued = BoolVal(strField)

```

End Sub

Sub GetFormFields

```

m_strProductName = Request.Form("ctlProductName") & ""
m_lngSupplierID = NumVal(Request.Form("ctlSupplierID"))
m_lngCategoryID = NumVal(Request.Form("ctlCategoryID"))
m_strQuantityPerUnit = Request.Form("ctlQuantityPerUnit") & ""
m_curUnitPrice = NumVal(Request.Form("ctlUnitPrice"))
m_intUnitsInStock = NumVal(Request.Form("ctlUnitsInStock"))
m_intUnitsOnOrder = NumVal(Request.Form("ctlUnitsOnOrder"))
m_intReorderLevel = NumVal(Request.Form("ctlReorderLevel"))
m_blnDiscontinued = BoolVal(Request.Form("ctlDiscontinued"))

```

End Sub

Sub CopyFormFieldsToSqlObject(cSQL)

```

With cSQL
.AddColVal "ProductID", SQLVal(m_lngProductID,"Long"), True
.AddColVal "ProductName", SQLVal(m_strProductName,"String"), False
.AddColVal "SupplierID", SQLVal(m_lngSupplierID,"Long"), False
.AddColVal "CategoryID", SQLVal(m_lngCategoryID,"Long"), False
.AddColVal "QuantityPerUnit", SQLVal(m_strQuantityPerUnit,"String"), False
.AddColVal "UnitPrice", SQLVal(m_curUnitPrice,"Currency"), False
.AddColVal "UnitsInStock", SQLVal(m_intUnitsInStock,"Long"), False
.AddColVal "UnitsOnOrder", SQLVal(m_intUnitsOnOrder,"Long"), False
.AddColVal "ReorderLevel", SQLVal(m_intReorderLevel,"Long"), False
.AddColVal "Discontinued", SQLVal(m_blnDiscontinued,"Boolean"), False
.Table = "[Products]"
.AddWhere "[Products].ProductID = " & m_lngProductID
End With

```

End Sub

Sub SaveSearchCriteriaInCookies

```

Dim dteExpires

Response.Cookies("[Products]")( "ctlProductID" ) = m_lngProductID
Response.Cookies("[Products]")( "relProductID" ) = m_strProductIDRelop
Response.Cookies("[Products]")( "ctlProductName" ) = m_strProductName
Response.Cookies("[Products]")( "relProductName" ) = m_strProductNameRelop
Response.Cookies("[Products]")( "ctlSupplierID" ) = m_lngSupplierID
Response.Cookies("[Products]")( "relSupplierID" ) = m_strSupplierIDRelop
Response.Cookies("[Products]")( "ctlCategoryID" ) = m_lngCategoryID
Response.Cookies("[Products]")( "relCategoryID" ) = m_strCategoryIDRelop
Response.Cookies("[Products]")( "ctlQuantityPerUnit" ) = m_strQuantityPerUnit
Response.Cookies("[Products]")( "relQuantityPerUnit" ) = m_strQuantityPerUnitRelop
Response.Cookies("[Products]")( "ctlUnitPrice" ) = m_curUnitPrice
Response.Cookies("[Products]")( "relUnitPrice" ) = m_strUnitPriceRelop
Response.Cookies("[Products]")( "ctlUnitsInStock" ) = m_intUnitsInStock
Response.Cookies("[Products]")( "relUnitsInStock" ) = m_strUnitsInStockRelop
Response.Cookies("[Products]")( "ctlUnitsOnOrder" ) = m_intUnitsOnOrder
Response.Cookies("[Products]")( "relUnitsOnOrder" ) = m_strUnitsOnOrderRelop
Response.Cookies("[Products]")( "ctlReorderLevel" ) = m_intReorderLevel
Response.Cookies("[Products]")( "relReorderLevel" ) = m_strReorderLevelRelop
Response.Cookies("[Products]")( "ctlDiscontinued" ) = m_blnDiscontinued
Response.Cookies("[Products]")( "relDiscontinued" ) = m_strDiscontinuedRelop
Response.Cookies("[Products]")( "table" ) = "Products"
dteExpires = DateAdd("YYYY",1,Date)
Response.Cookies("[Products]").Expires = dteExpires

```

End Sub

Sub LoadSearchCriteriaFromCookies



```

        <td class="TableHead">
            Supplierid
        </td>
    </tr>
    <tr bgcolor=#77aaff valign="top">
        <td class="TableHead" align="center">
            <a href="#"
                onclick="frmSearch.action='ProductsMaster.ASP?Action=<%=SHOW_NEW%>';
                frmSearch.submit();"></a>
            <a href="#"
                onclick="frmSearch.action='ProductsMaster.ASP?Action=<%=SHOW_SEARCH_RESULTS%>';
                frmSearch.submit();"></a>
        <td class="TableHead">
            <%=ShowTextBox("", "ctlProductName", m_strProductNameRelop, m_strProductName, 16,
40, False, False)%>
        </td>
        <td class="TableHead">
            <%=ShowTextBox("", "ctlQuantityPerUnit", m_strQuantityPerUnitRelop,
m_strQuantityPerUnit, 16, 20, False, False)%>
        </td>
        <td class="TableHead">
            <%=ShowTextBox("", "ctlUnitPrice", m_strUnitPriceRelop, m_curUnitPrice, 16, 19,
False, False)%>
        </td>
        <td class="TableHead">
            <%=ShowTextBox("", "ctlUnitsInStock", m_strUnitsInStockRelop, m_intUnitsInStock,
5, 5, False, False)%>
        </td>
        <td class="TableHead">
            <%=ShowTextBox("", "ctlUnitsOnOrder", m_strUnitsOnOrderRelop, m_intUnitsOnOrder,
5, 5, False, False)%>
        </td>
        <td class="TableHead">
            <%=ShowTextBox("", "ctlReorderLevel", m_strReorderLevelRelop, m_intReorderLevel,
5, 5, False, False)%>
        </td>
        <td class="TableHead">
            <%=ShowCheckBox("", "ctlDiscontinued", m_blnDiscontinued, False)%>
        </td>
        <td class="TableHead">
            <%=ShowDropDown("", "Categories", "CategoryID", "CategoryID", "ctlCategoryID",
SQLVal(m_lngCategoryID,"Supplierid"), CBO_ALL, false)%>
        </td>
        <td class="TableHead">
            <%=ShowDropDown("", "Suppliers", "SupplierID", "SupplierID", "ctlSupplierID",
SQLVal(m_lngSupplierID,"CategoryID"), CBO_ALL, false)%>
        </td>
    </tr>
<%
End Sub

Sub ShowSearchFormBottom
%>

        </table>
    </form>
</td>
</tr>
</table>
<%
End Sub
'
' Add pagination to search results
Sub ShowSearchResults
    Dim blnNoRecords
    Dim cSQL
    Dim blnShade
    Dim strBGColor
    Dim strReferenceColumnNames()

```

```

Dim strPKList
Dim lngCount
Dim lngFlushCount

lngFlushCount = 50

'
' Primary keys
Dim lngProductID
Redim strReferenceColumnNames(1)
'
' Show the search results
ShowSearchFormTop

set cSQL = new clsSQL
With cSQL
    set .Connection = m_cConnection
    .PageSize = 64
    .AddColumn "[Products].ProductID", ""
    .AddColumn "[Products].ProductName", ""
    .AddColumn "[Products].SupplierID", ""
    .AddColumn "[Products].CategoryID", ""
    .AddColumn "[Products].QuantityPerUnit", ""
    .AddColumn "[Products].UnitPrice", ""
    .AddColumn "[Products].UnitsInStock", ""
    .AddColumn "[Products].UnitsOnOrder", ""
    .AddColumn "[Products].ReorderLevel", ""
    .AddColumn "[Products].Discontinued", ""
    .AddColumn "Categories_1.CategoryID", "CategoryID_1"
    strReferenceColumnNames(0) = "Categories_1.CategoryID"
    .AddColumn "Suppliers_2.SupplierID", "SupplierID_2"
    strReferenceColumnNames(1) = "Suppliers_2.SupplierID"
    .AddFrom "[Products]", ""
    .AddFrom "Categories", "Categories_1"
    .AddFrom "Suppliers", "Suppliers_2"
    .AddWhere "[Products].CategoryID = " & strReferenceColumnNames(0)
    .AddWhere "[Products].SupplierID = " & strReferenceColumnNames(1)
    If m_lngProductID <> 0 then
        .AddWhere MakeWhereClause("[Products].ProductID", m_strProductIDRelop, NumVal(m_lngProductID))
    End If
    If m_strProductName <> vbNullString then
        .AddWhere MakeWhereClause("[Products].ProductName", m_strProductNameRelop,
CharVal(m_strProductName))
    End If
    If m_lngSupplierID <> 0 then
        .AddWhere MakeWhereClause("[Products].SupplierID", m_strSupplierIDRelop,
NumVal(m_lngSupplierID))
    End If
    If m_lngCategoryID <> 0 then
        .AddWhere MakeWhereClause("[Products].CategoryID", m_strCategoryIDRelop,
NumVal(m_lngCategoryID))
    End If
    If m_strQuantityPerUnit <> vbNullString then
        .AddWhere MakeWhereClause("[Products].QuantityPerUnit", m_strQuantityPerUnitRelop,
CharVal(m_strQuantityPerUnit))
    End If
    If m_curUnitPrice <> 0 then
        .AddWhere MakeWhereClause("[Products].UnitPrice", m_strUnitPriceRelop, NumVal(m_curUnitPrice))
    End If
    If m_intUnitsInStock <> 0 then
        .AddWhere MakeWhereClause("[Products].UnitsInStock", m_strUnitsInStockRelop,
NumVal(m_intUnitsInStock))
    End If
    If m_intUnitsOnOrder <> 0 then
        .AddWhere MakeWhereClause("[Products].UnitsOnOrder", m_strUnitsOnOrderRelop,
NumVal(m_intUnitsOnOrder))
    End If
    If m_intReorderLevel <> 0 then
        .AddWhere MakeWhereClause("[Products].ReorderLevel", m_strReorderLevelRelop,
NumVal(m_intReorderLevel))
    End If
End If

```

```

    If m_blnDiscontinued <> False then
        .AddWhere MakeWhereClause("[Products].Discontinued", m_strDiscontinuedRelop,
BoolVal(m_blnDiscontinued))
    End If
    '.AddOrderBy "You decide!!!"
    ''' Response.write .buildsqlstatement ''' Debugging
    .ExecuteQuery ""
    If .Recordset is nothing then
        blnNorecords = True
    Else
        If .Recordset.EOF and .Recordset.BOF then
            blnNorecords = True
        End If
    End If
    If blnNorecords Then
        Response.Write "<tr bgcolor=""#e8f8ff""><td colspan=3 align=""center"">No matching rows
found</td></tr>"
    Else
        With .Recordset
            blnShade = False
            Do while not .eof
                lngCount = lngCount + 1
                If blnShade then
                    strBGColor = ""#e8f8ff"
                Else
                    strBGColor = ""#ffffff"
                End If
                blnShade = not blnShade
                strPKList = vbNullString
                strPKList = strPKList & ""ProductID=" & NumVal(.Fields("ProductID"))
%>
                <tr bgcolor=<%=strBGColor%>>
                    <td Class ="TableBody">
                        <a href=""#"
onclick=""frmSearch.action='ProductsMaster.ASP?Action=<%=SHOW_FORM%><%=strPKList%>';
frmSearch.submit();"><img src=""images/closeup.gif" alt=""View Products details"
border=""0""></a>
                        <a href=""#"
onclick=""frmSearch.action='ProductsMaster.ASP?Action=<%=SHOW_EDIT%><%=strPKList%>';
frmSearch.submit();"><img src=""images/edit.gif" alt=""Edit Products details"
border=""0""></a>
                        <a href=""#"
onclick=""frmSearch.action='ProductsMaster.ASP?Action=<%=DELETE_ROW%><%=strPKList%>';
frmSearch.submit();"><img src=""images/delete.gif" alt=""Delete Products row"
border=""0""></a>
                    </td>
                    <td class=""TableBody" align=""Left">
                        <%=.Fields("ProductName")%>
                    </td>
                    <td class=""TableBody" align=""Left">
                        <%=.Fields("QuantityPerUnit")%>
                    </td>
                    <td class=""TableBody" align=""right">
                        <%=.Fields("UnitPrice")%>
                    </td>
                    <td class=""TableBody" align=""right">
                        <%=.Fields("UnitsInStock")%>
                    </td>
                    <td class=""TableBody" align=""right">
                        <%=.Fields("UnitsOnOrder")%>
                    </td>
                    <td class=""TableBody" align=""right">
                        <%=.Fields("ReorderLevel")%>
                    </td>
                    <td class=""TableBody" align=""center">
                        <% if boolval(.Fields("Discontinued")) then %>
                            <img src=""images/Check_On.gif" alt=""True" border=""0">

```

```

                <% else %>
                
                <% end If %>
            </td>
            <td class="TableBody">
                <%=.Fields("CategoryID_1")%>
            </td>
            <td class="TableBody">
                <%=.Fields("SupplierID_2")%>
            </td>
        </tr>
<%
        .MoveNext
        If lngCount = lngFlushCount Then
            lngCount = 0
            Response.Flush
        end if
    loop
    End With
End If
ShowSearchFormBottom
End With

End Sub

Sub ShowForm(intMode)
    Dim strNextAction
    Dim strMode
    Dim blnReadOnly
    Dim strPK

    Select case intMode
        Case SHOW_FORM
            strNextAction = GO_BACK
            strMode = "View"
            blnReadOnly = True
        Case SHOW_EDIT
            strNextAction = UPDATE_ROW
            strMode = "Edit"
            blnReadOnly = False
        Case SHOW_NEW
            strNextAction = INSERT_ROW
            strMode = "New"
            blnReadOnly = False
    End select

    strPK = ""
    strPK = strPK & "&ProductID=" & m_lngProductID
%>
<table cellspacing="1" cellpadding="2" border="0" width="100%">
    <tr>
        <td>
            <form name="frmEdit"
                method="post"
                action="ProductsMaster.ASP?Action=<%=strNextAction%><%=strPK%>"
                onSubmit="return validateForm(frmEdit);">
                <table cellspacing="1" cellpadding="2" border="0" width="100%" bgcolor=#0033cc>
                    <tr bgcolor=#0033cc>
                        <td colspan=2 align="center" class="TableHead">
                            <%=strMode%> Products
                        </td>
                    </tr>
                    <tr bgcolor=#e8f8ff>
                        <td class="TableBody">
                            Productname
                        </td>
                        <td class="TableBody">
                            <%=ShowTextBox("", "ctlProductName", "", m_strProductName, 16, 40, False,
blnReadOnly)%>
                        </td>
                    </tr>
                </table>
            </td>
        </tr>
    </tr>

```

```

        <tr bgcolor=#e8f8ff>
            <td class="TableBody">
                Quantityperunit
            </td>
            <td class="TableBody">
                <%=ShowTextBox("", "ctlQuantityPerUnit", "", m_strQuantityPerUnit, 16, 20, False,
blnReadOnly)%>
            </td>
        </tr>
        <tr bgcolor=#e8f8ff>
            <td class="TableBody">
                Unitprice
            </td>
            <td class="TableBody">
                <%=ShowTextBox("", "ctlUnitPrice", "", m_curUnitPrice, 16, 19, False,
blnReadOnly)%>
            </td>
        </tr>
        <tr bgcolor=#e8f8ff>
            <td class="TableBody">
                Unitsinstock
            </td>
            <td class="TableBody">
                <%=ShowTextBox("", "ctlUnitsInStock", "", m_intUnitsInStock, 5, 5, False,
blnReadOnly)%>
            </td>
        </tr>
        <tr bgcolor=#e8f8ff>
            <td class="TableBody">
                Unitsonorder
            </td>
            <td class="TableBody">
                <%=ShowTextBox("", "ctlUnitsOnOrder", "", m_intUnitsOnOrder, 5, 5, False,
blnReadOnly)%>
            </td>
        </tr>
        <tr bgcolor=#e8f8ff>
            <td class="TableBody">
                Reorderlevel
            </td>
            <td class="TableBody">
                <%=ShowTextBox("", "ctlReorderLevel", "", m_intReorderLevel, 5, 5, False,
blnReadOnly)%>
            </td>
        </tr>
        <tr bgcolor=#e8f8ff>
            <td class="TableBody">
                Discontinued
            </td>
            <td class="TableBody">
                <%=ShowCheckBox("", "ctlDiscontinued", m_blnDiscontinued, blnReadOnly)%>
            </td>
        </tr>
        <tr bgcolor=#e8f8ff>
            <td class="TableBody">
                CategoryID
            </td>
            <td class="TableBody">
                <%=ShowDropDown("", "Categories", "CategoryID", "CategoryID", "ctlCategoryID",
m_lngCategoryID, "< Select one >", blnReadOnly)%>
            </td>
        </tr>
        <tr bgcolor=#e8f8ff>
            <td class="TableBody">
                SupplierID
            </td>
            <td class="TableBody">
                <%=ShowDropDown("", "Suppliers", "SupplierID", "SupplierID", "ctlSupplierID",
m_lngSupplierID, "< Select one >", blnReadOnly)%>
            </td>
        </tr>
    </tr>

```

```

                <tr bgcolor=#77aaff>
                    <td colspan=2 align="center">
<%
    Select case intMode
        Case SHOW_FORM
%>
                <input type="button" name="cmdBack" class="TableBody" value="Back to list"
onclick="history.back();">

<%
        Case SHOW_EDIT
%>
                <input type="submit" name="cmdSave" class="TableBody" value="Save">
                <input type="button" name="cmdCancel" class="TableBody" value="Cancel"
onclick="history.back();">
<%
        Case SHOW_NEW
%>
                <input type="submit" name="cmdSave" class="TableBody" value="Save">
                <input type="button" name="cmdCancel" class="TableBody" value="Cancel"
onclick="history.back();">
<%
    End select
%>

                </td>
            </tr>
        </table >
    </form>
</td>
</tr>
</table>
<%
End Sub

Sub ReadRecord
    Dim cSQL
    Dim blnNoRecord

    set cSQL = new clsSQL
    With cSQL
        set .Connection = m_cConnection
        .PageSize = 64
        .AddColumn "*", ""
        .AddFrom "[Products]", ""
        .AddWhere "[Products].ProductID = " & SQLVal(m_lngProductID, "Long")
        '' response.write .buildsqlstatement '' Debug
        .ExecuteQuery ""
        If .Recordset is nothing then
            blnNoRecord = True
        Else
            If .Recordset.EOF and .Recordset.BOF then
                blnNoRecord = True
            End If
        End If
        If blnNoRecord Then
            Response.Write "<tr bgcolor=""#e8f8ff""><td colspan=3 align=""center"">No matching row
found</td></tr>"
        Else
            With .Recordset
                m_lngProductID = .Fields("ProductID")
                m_strProductName = .Fields("ProductName")
                m_lngSupplierID = .Fields("SupplierID")
                m_lngCategoryID = .Fields("CategoryID")
                m_strQuantityPerUnit = .Fields("QuantityPerUnit")
                m_curUnitPrice = .Fields("UnitPrice")
                m_intUnitsInStock = .Fields("UnitsInStock")
                m_intUnitsOnOrder = .Fields("UnitsOnOrder")
                m_intReorderLevel = .Fields("ReorderLevel")
                m_blnDiscontinued = .Fields("Discontinued")
            End With
        End If
    End With
End Sub

```

```

        End If
    End With
    set cSQL = Nothing

End Sub

Sub InsertRow
    Dim cSQL

    set cSQL = new clsSQL
    GetFormFields
    CopyFormFieldsToSqlObject cSQL
    With cSQL
        set .Connection = m_cConnection
        If not .RowInserted Then

            End If
        End With

End Sub

Sub UpdateRow
    Dim cSQL

    set cSQL = new clsSQL
    GetFormFields
    CopyFormFieldsToSqlObject cSQL
    With cSQL
        set .Connection = m_cConnection
        If not .RowUpdated Then

            End If
        End With

End Sub

Sub DeleteRow
    Dim cSQL

    set cSQL = new clsSQL
    CopyFormFieldsToSqlObject cSQL
    With cSQL
        set .Connection = m_cConnection
        If not .RowDeleted Then

            End If
        End With

End Sub

%>
<BODY>
<table border=0>
    <tr>
        <td colspan=2>
<%
ShowPageHeader "Products"
%>
        </td>
    </tr>
    <tr valign="top">
        <td>
<%
ShowSideMenu "Products"
%>
        </td>
        <td>
<%
'
' Mainline
Set m_cConnection = GetConnectedToAccess(DB_PATH_NAME)

```

```

m_dteUninitialized = DateSerial(0, 0, 0)
m_strAction = Request.QueryString("Action")
m_lngProductID = NumVal(Request.QueryString("ProductID"))
Select case m_strAction
  Case "", SHOW_SEARCH
    ShowSearchFormTop
    ShowSearchFormBottom
  Case SHOW_SEARCH_RESULTS
    GetSearchCriteria
    SaveSearchCriteriaInCookies
    ShowSearchResults
  Case SHOW_FORM, SHOW_EDIT
    ReadRecord
    ShowForm m_strAction
  Case SHOW_NEW
    ShowForm m_strAction
  Case UPDATE_ROW
    UpdateRow
    LoadSearchCriteriaFromCookies
    ShowSearchResults
  Case INSERT_ROW
    InsertRow
    LoadSearchCriteriaFromCookies
    ShowSearchResults
  Case DELETE_ROW
    DeleteRow
    LoadSearchCriteriaFromCookies
    ShowSearchResults
End select

CloseConnection(m_cConnection)
%>
  </td>
</tr>
<tr>
  <td>
    <!-- Under menu -->
    &nbsp;
  </td>
  <td>
<%
ShowPageFooter "Products"
%>
  </td>
</tr>
</table>
</BODY>
</HTML>

```