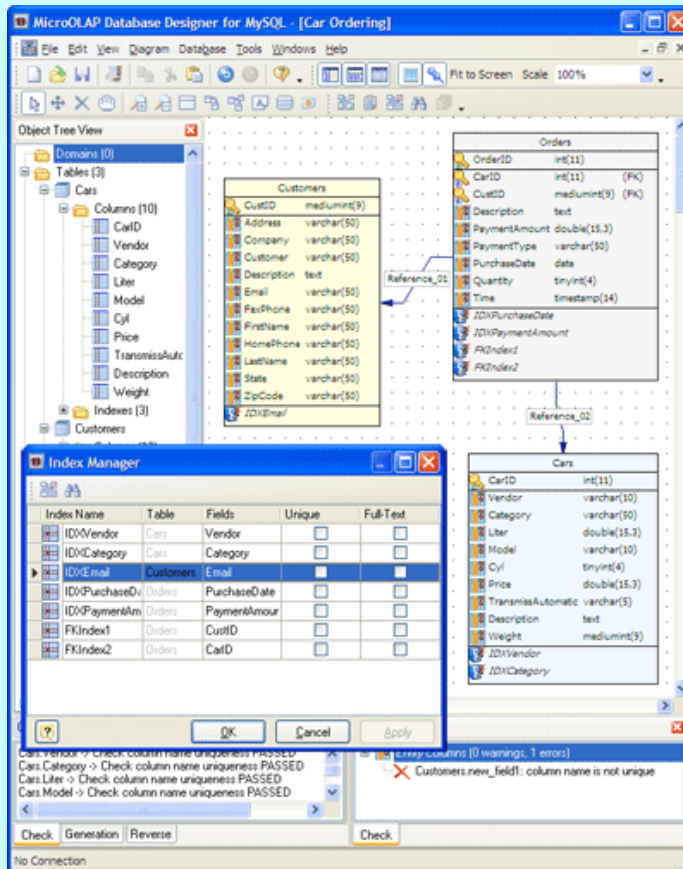


Database Systems



Topic 11 : SQL Server Database - Content Management

Unit 12: **Relational Database on SQL Server**

Objective :

- At the end of this unit, you should be able to:
 - Import established Web forms and database into Visual Studio
 - Bind the web form to the database
 - Manipulate data in database with programming code.

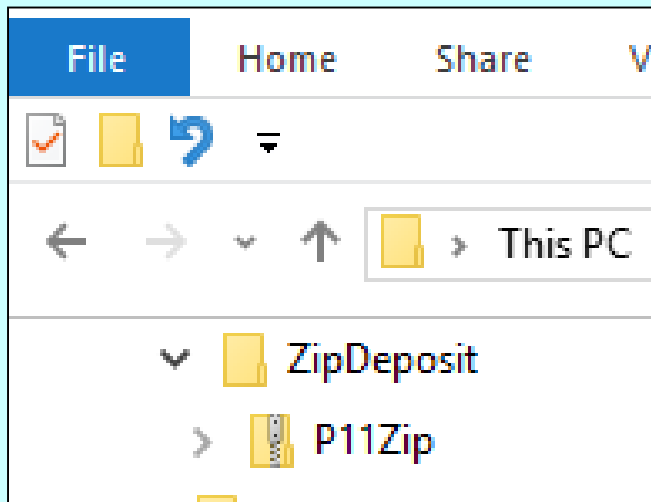
Relational Database in SQL Server

- 1) How to import established **Web forms** and **database** ?
- 2) Insertion, update, Deletion of records through web forms
- 3) Use of Data Grid for content management

Import established Web forms and Database

Start from Windows Explorer

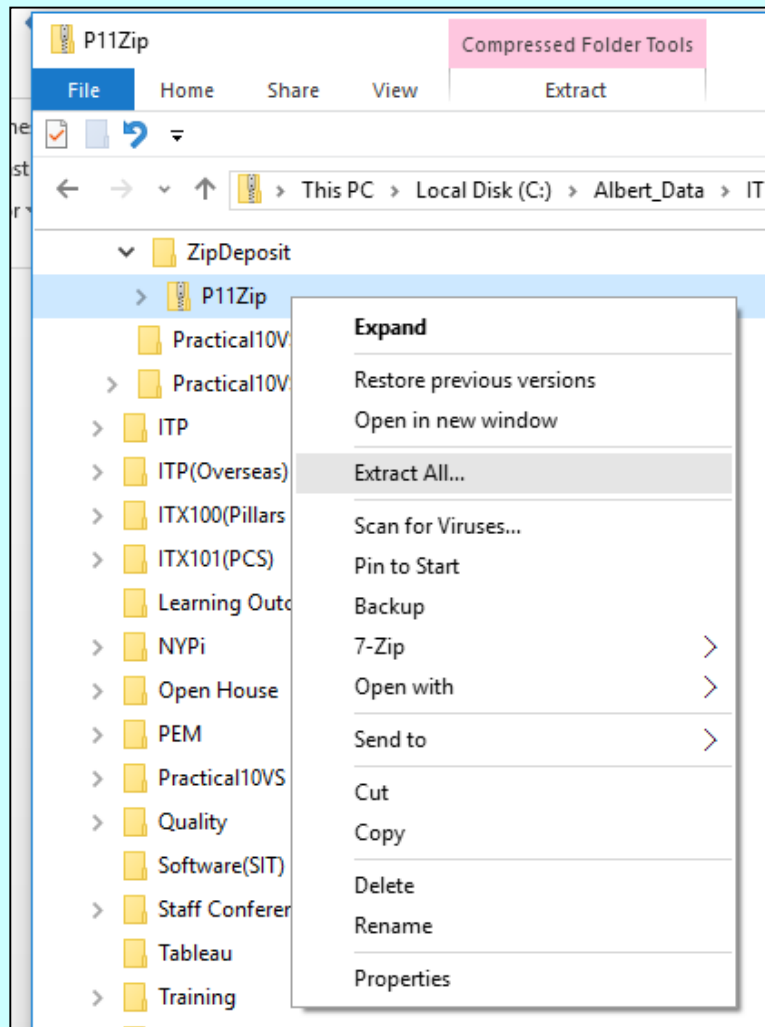
1) Create a working folder (e.g. ZipDeposit)



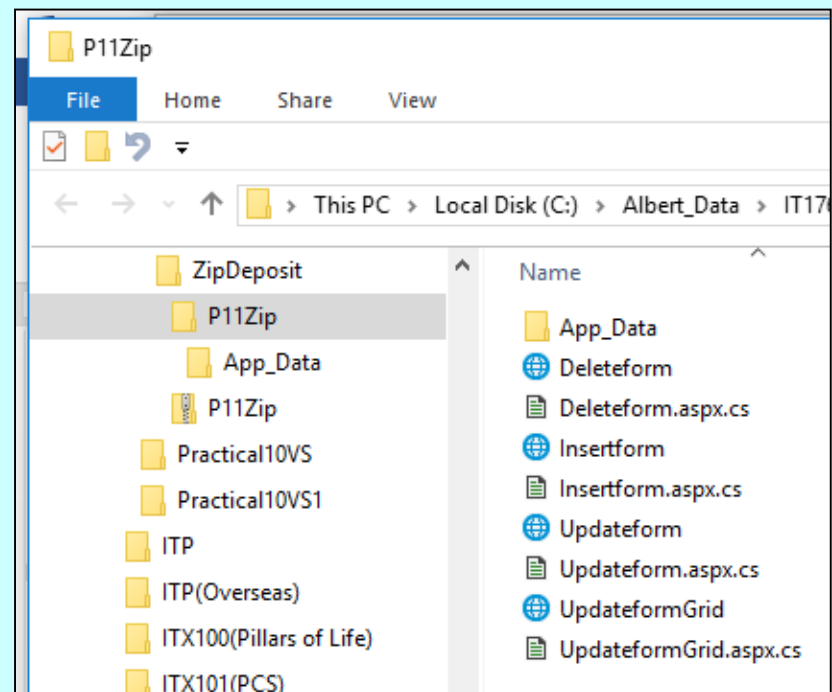
2) Import a zip folder (P11Zip) with established web forms and database

Import established Web forms and Database

3) Extract P11Zip

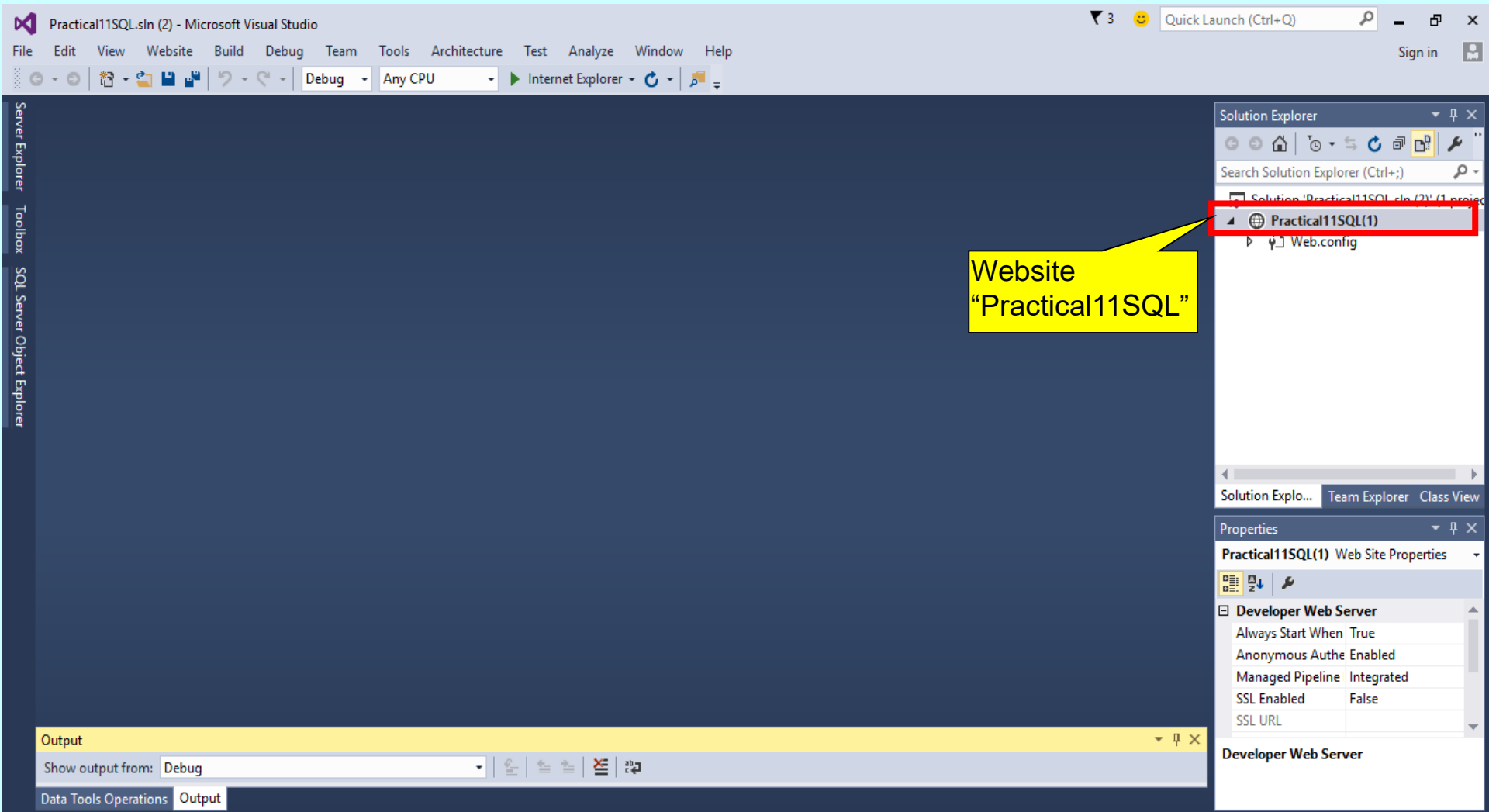


4) Extracted web forms



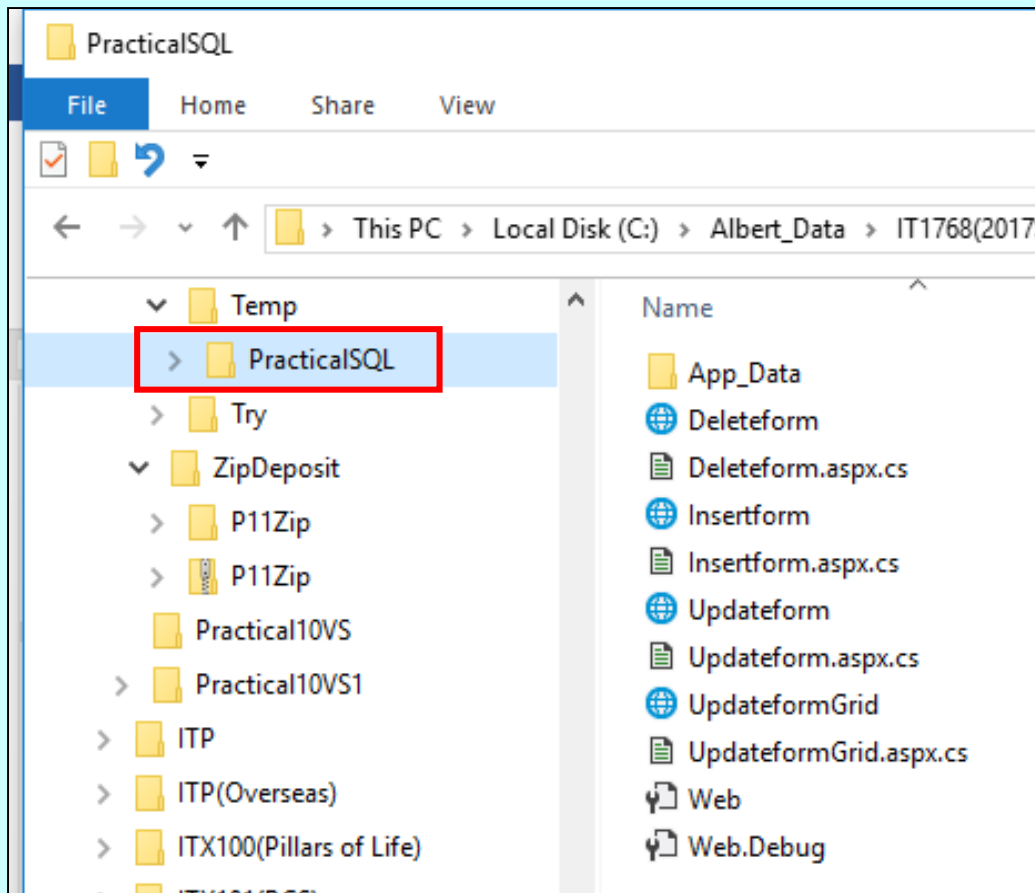
Import established Web forms and Database

Create a new website “Practical11SQL”



Import established Web forms and Database

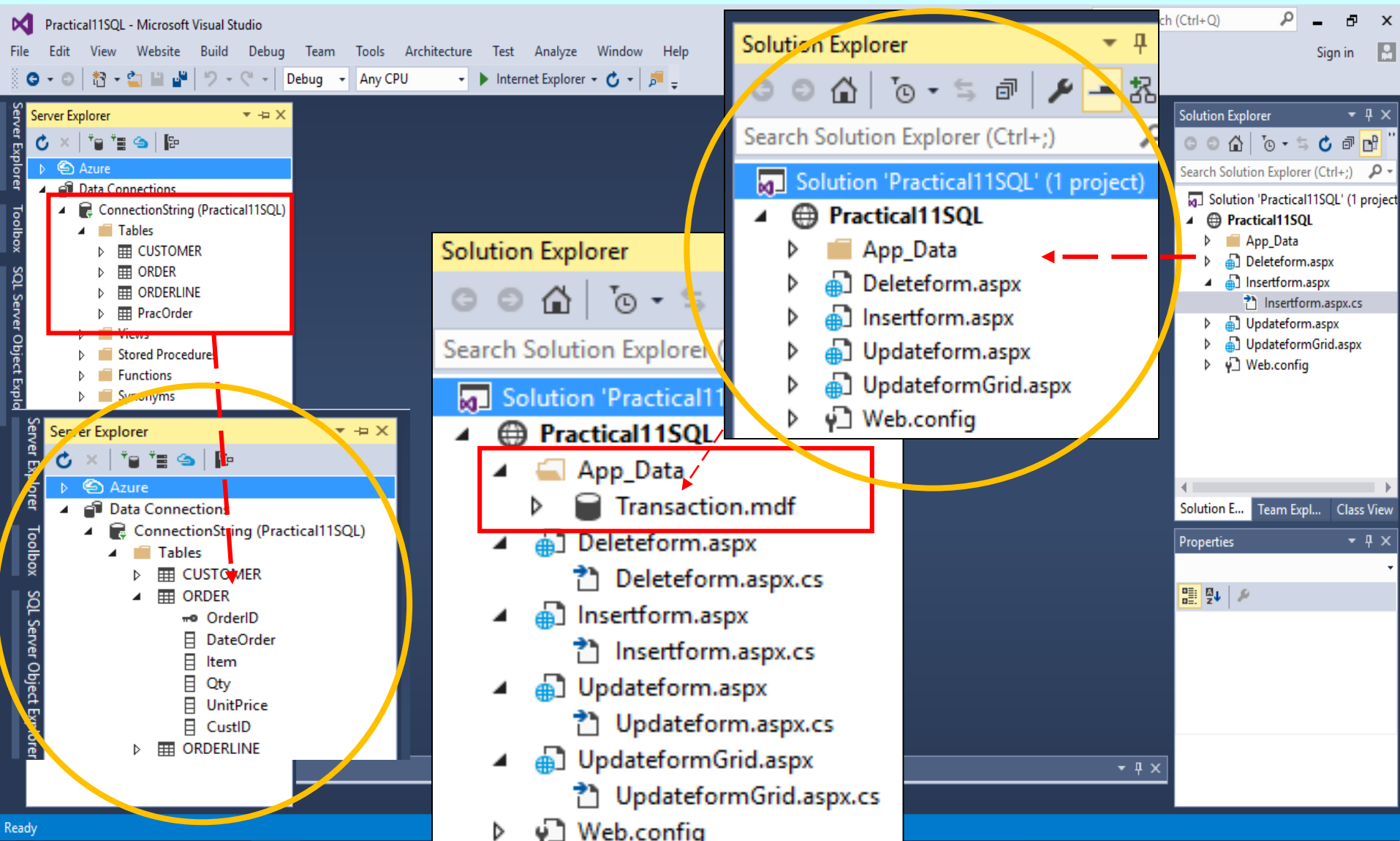
In Window ExplorerMove the entire unzip P11Zip folder under “Practical11SQL” website



Note:

A SQL server database “Transact.mdf” has been embedded under App_Data folder.

Import established Web forms and Database



Relational Database in SQL Server

- 1) How to import **database** in SQL Server Express ?
- 2) Insertion, Update and Deletion of records through web forms
- 3) Use of Data Grid for content Management

Launching of established Insertform.aspx

Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team Tools Architecture Test Analyze Window Help

Debug Any CPU Internet Explorer

InsertForm.aspx

Source View of web Form

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Insertform.aspx.cs" Inherits="Insert1" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-tr

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body bgcolor="#99ff99">
  <form id="form1" runat="server">
    <h2>Order Form</h2>
    <h3 style="font-family: Arial, Helvetica, sans-serif; font-weight: bold; color: #000080">Add New Order
      <table border="1" width="50%" cellpadding="5" cellspacing="0">
        <tr>
          <td align="right" class="style1"
            style="font-size: large; font-weight: bold; font-family: Arial, Helvetica, sans-serif
            width="40%" bgcolor="#FFFF66">
            &nbsp;&nbsp;&nbsp;Existing Order ID</td>
          <td bgcolor="#FFFF66" class="style1">
            <asp:DropDownList ID="ddlOrderID" runat="server" AutoPostBack="True"
              onselectedindexchanged="ddlOrderID_SelectedIndexChanged1" DataSourceID="SqlDataS
```

InsertForm.aspx

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'Practical11SQL' (1 project)

- Practical11SQL
 - App_Data
 - Deleteform.aspx
 - Insertform.aspx**
 - Insertform.aspx.cs
 - Updateform.aspx
 - UpdateformGrid.aspx
 - Web.config

Properties

Insertform.aspx Web File Properties

Misc	
File Name	Insertform.aspx
Full Path	C:\Albert_Data\IT176

Output

Show output from:

Data Tools Operations Output

Ready Ln 1 Col 1 Ch 1 INS

Insertform.aspx - Design View

Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team Format Table Tools Architecture Test Analyze Window Help

Debug Any CPU Internet Explorer (New Inline Styl (None) (Default B I U A

body

Order Form

Add New Order Records

Existing Order ID	Databound (1)
Order ID	
Date of Order	
Item	
Quantity	
Unitprice	
Customer ID	
INSERT (2)	

[lblMsg]

SqlDataSource - SqlDataSource1

Design Split Source <html> <body>

Output

Show output from:

Data Tools Operations Output

Solution Explorer

Search Solution Explorer (Ctrl+;)

Practical11SQL (1 project)

- App_Data
- Deleteform.aspx
- Insertform.aspx
- Insertform.aspx.cs
- Updateform.aspx
- UpdateformGrid.aspx
- Web.config

Properties

DOCUMENT

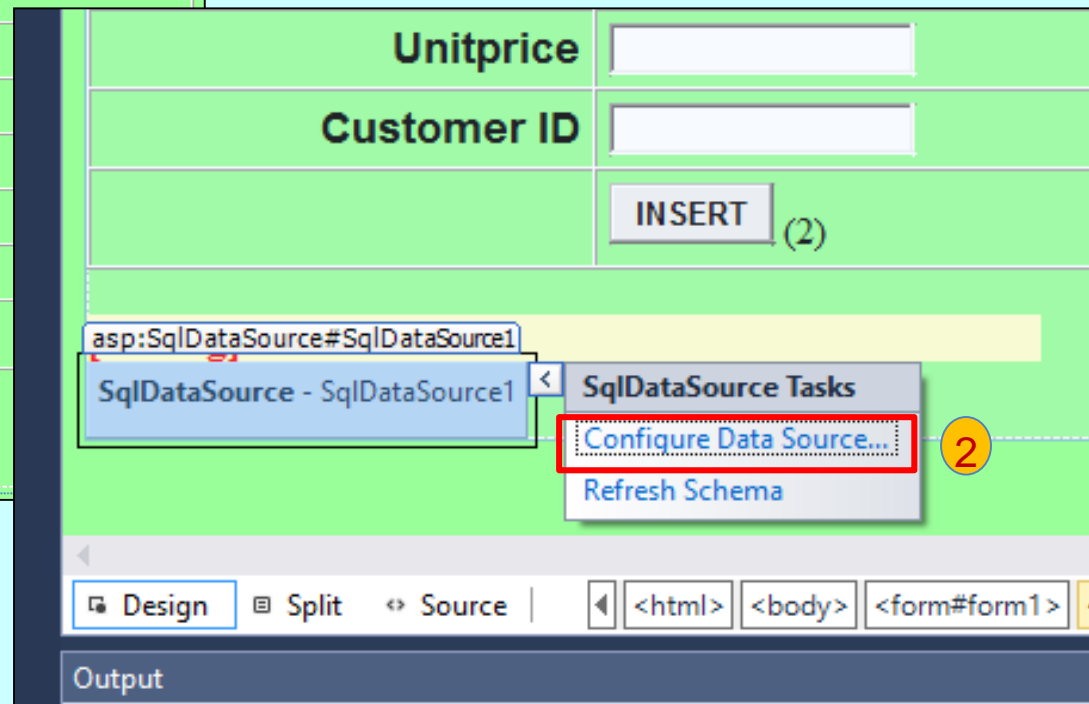
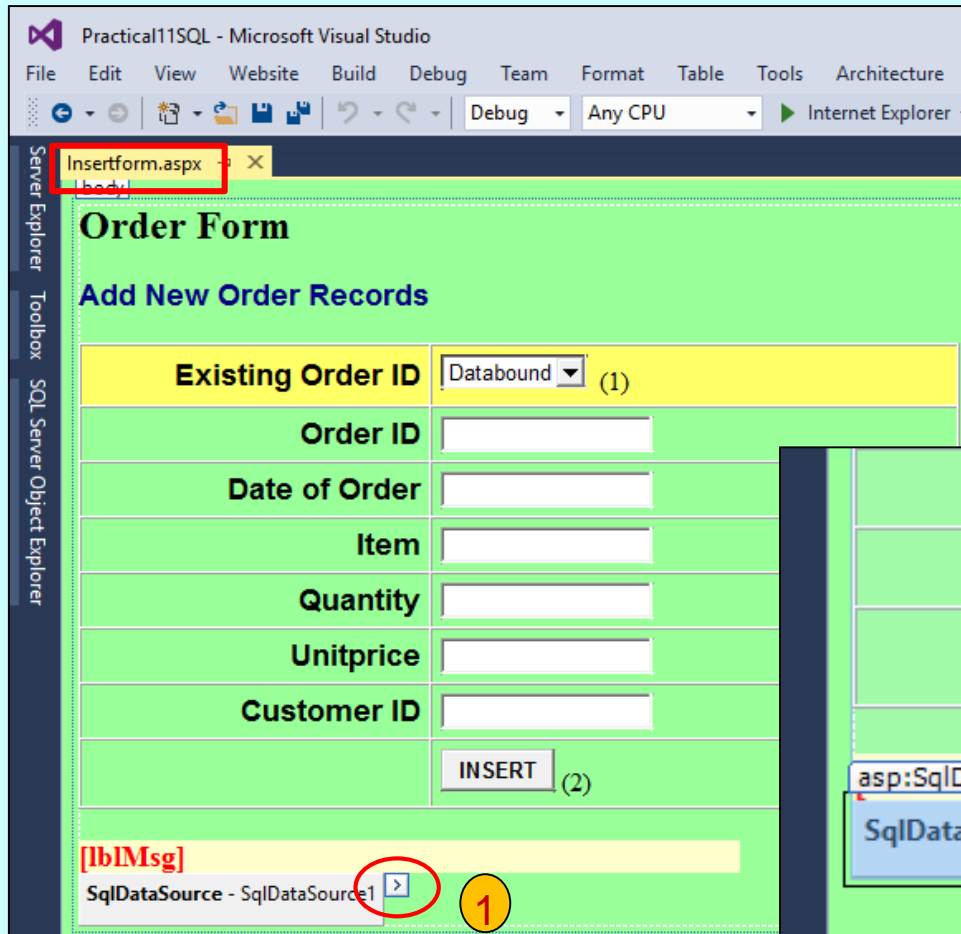
ASP.NET

Culture	
Debug	
EnableSessionSt	
Language	C#
MasterPageFile	

Ready

Ln 1 Col 1 Ch 1 INS

Configuration of SqlDataSource1



Configuration of SqlDataSource1

The screenshot shows the Visual Studio IDE with the 'Practical11SQL' project open. The 'Design' view of 'Order Form' is visible, showing a table with columns: Existing Order ID, Order ID, Date of Order, Item, Quantity, Unitprice, and Customer ID. The 'SqlDataSource1' control is selected in the Design view, and its properties are shown in the Properties window. The 'ConnectionString' property is highlighted. The 'Configure Data Source - SqlDataSource1' dialog is open, showing the 'Choose Your Data Connection' step. The 'ConnectionString' option is selected, and the 'Next >' button is highlighted with a red box. A red dashed arrow points from the 'ConnectionString' option in the dialog to the 'ConnectionString' property in the 'asp:SqlDataSource#SqlDataSource1' control in the Design view.

Configuration of SqlDataSource1

Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team Format Table Tools Architecture Test Analyze Window Help

Server Explorer Toolbox SQL Server Object Explorer

Order Form

Add New Order Records

Existing Order ID	Databou
Order ID	
Date of Order	
Item	
Quantity	
Unitprice	
Customer ID	
INSERT	

asp:SqlDataSource#SqlDataSource1

SqlDataSource - SqlDataSource1

Configure D

Refresh Sch

Design Split Source <html>

Output

Configure Data Source - SqlDataSource1

Configure the Select Statement

How would you like to retrieve data from your database?

☐ Specify a custom SQL statement or stored procedure

☒ Specify columns from a table or view

Name:

ORDER

Columns:

☒ *

☐ OrderID

☐ DateOrder

☐ Item

☐ Qty

☐ UnitPrice

☐ CustID

☐ Return only unique rows

WHERE...

ORDER BY...

Advanced...

SELECT statement:

SELECT * FROM [ORDER]

< Previous

Next >

Finish

Cancel

Select table

Choose fields for display

Configuration of SqlDataSource1

Configure Data Source - SqlDataSource1

Test Query

To preview the data returned by this data source, click Test Query. To complete this wizard, click Finish.

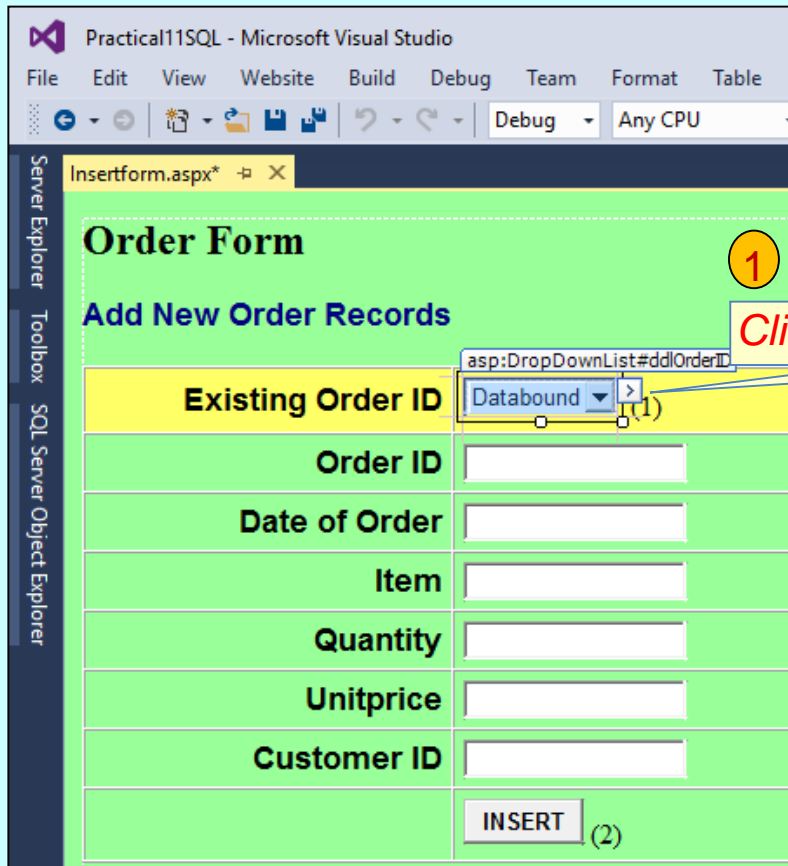
OrderID	DateOrder	Item	Qty	UnitPrice	CustID
ON-11-01	2012-01-23	Press printer	3	12000.0000	CN-11
ON-11-02	2012-01-26	Paper rolls	500	800.0000	CN-11
ON-12-35	2016-08-02	Sheet roll	20	400.0000	CN-12
ON-12-39	2012-07-12	3-in stainless steel rod	50	250.0000	CN-12
ON-13-65	2012-03-22	Pumps	10	300.0000	CN-13
ON-13-66	2012-03-23	Hose clips	100	20.0000	CN-13
ON-14-88	2012-04-02	AA Alkaline battery	100	1.2000	CN-13
ON-14-89	2012-04-05	Transformer	15	850.0000	CN-12
ON-14-90	2013-07-23	Propeller	10	750.0000	CN-12

SELECT statement:
SELECT * FROM [ORDER]

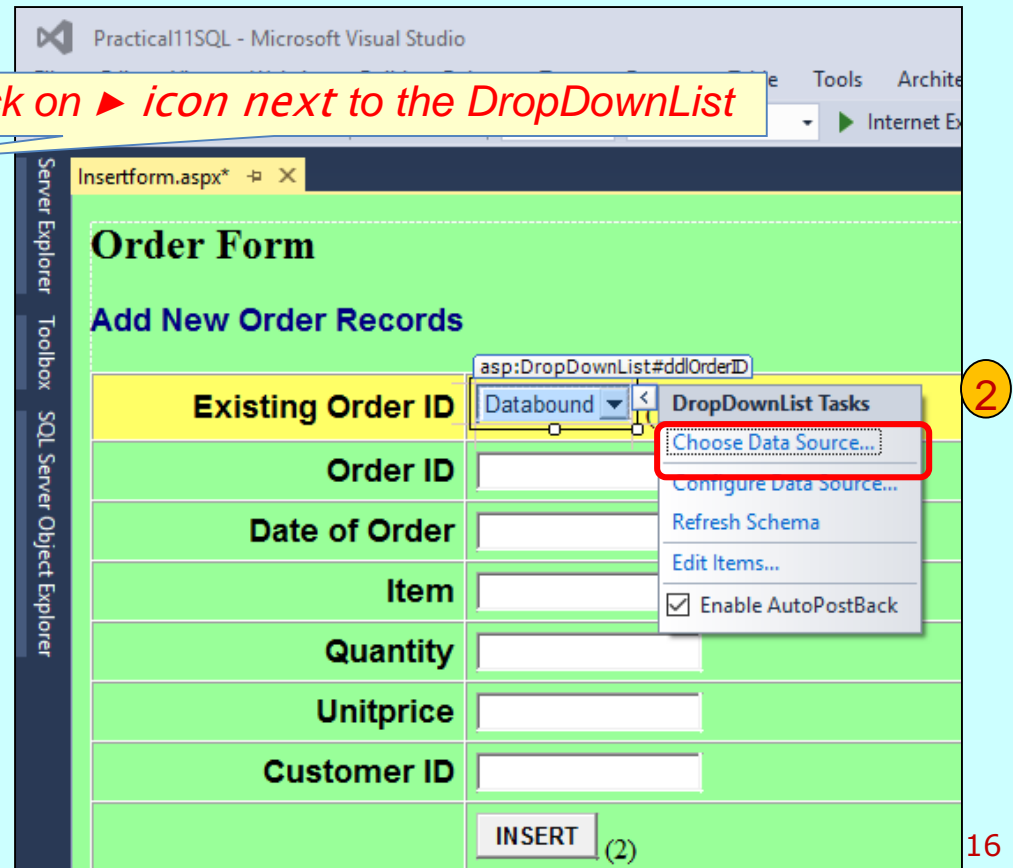
Click Test Query to show all records

Click Finish to end the configuration process

Bind the selected table object to a SqlDataSource1



Click on ► icon next to the DropDownList



Bind DropDownList to a SqlDataSource1

The screenshot shows the Visual Studio IDE with a web application project named "Practical11SQL". The "Order Form" is visible in the Design view, featuring a table with columns: Existing Order ID, Order ID, Date of Order, Item, Quantity, Unitprice, and Customer ID. An "INSERT" button is at the bottom right of the table. A "SqlDataSource1" control is shown in the Server Explorer.

The "Data Source Configuration Wizard" is open, titled "Choose a Data Source". It has three sections:

- Select a data source:** A dropdown menu showing "SqlDataSource1".
- Select a data field to display in the DropDownList:** A dropdown menu showing "OrderId".
- Select a data field for the value of the DropDownList:** A dropdown menu showing "OrderId".

A red dashed arrow points from the "OrderId" field in the "Select a data field to display in the DropDownList" section to the "OrderId" field in the "Select a data field for the value of the DropDownList" section. The "OK" button is highlighted with a red box.

The "Data Source Configuration Wizard" is a dialog box with a title bar and a close button. It contains a database icon and the text "Choose a Data Source". The three sections are separated by horizontal lines. The "OK" and "Cancel" buttons are at the bottom right.

Run Insertform.aspx

The screenshot shows the Microsoft Visual Studio IDE with the file `Insertform.aspx` open. The web form contains a table for adding new order records with fields for Existing Order ID, Order ID, Date of Order, Item, Quantity, Unitprice, and Customer ID, along with an INSERT button. The bottom status bar shows the file is in Design view.

Annotations on the image include:

- A red circle around the **Run** button (a green play icon) in the top toolbar, with a callout box saying: *Click ► to Run program*
- The **Debug** menu is open, with a red circle around the **Debug** menu item and a callout box saying: *Or Click Debug*
- Inside the Debug menu, the **Start Debugging** option is highlighted with a red box, and a callout box says: *Or simply Press F5*

The Debug menu options visible are:

- Windows
- Graphics
- Show Diagnostic Tools (Ctrl+Alt+F2)
- Start Debugging** (F5)
- Start Without Debugging (Ctrl+F5)
- Start Diagnostic Tools Without Debugging... (Alt+F2)
- Attach to Process... (Ctrl+Alt+P)
- Other Debug Targets
- Profiler
- Step Into (F11)
- Step Over (F10)
- Toggle Breakpoint (F9)
- New Breakpoint
- Delete All Breakpoints (Ctrl+Shift+F9)
- Options...
- Practical11SQL Properties...

Insert new data in Insertform.aspx

File Edit View Favorites Tools Help

Order Form

Add New Order Records

Existing Order ID	ON-15-90 (1)
Order ID	ON-17-11
Date of Order	2017-03-09
Item	3D Printer
Quantity	2
Unitprice	920.0000
Customer ID	CN-11 x
	INSERT (1)

Edit the data in the texboxes for a new record !

File Edit View Favorites Tools Help

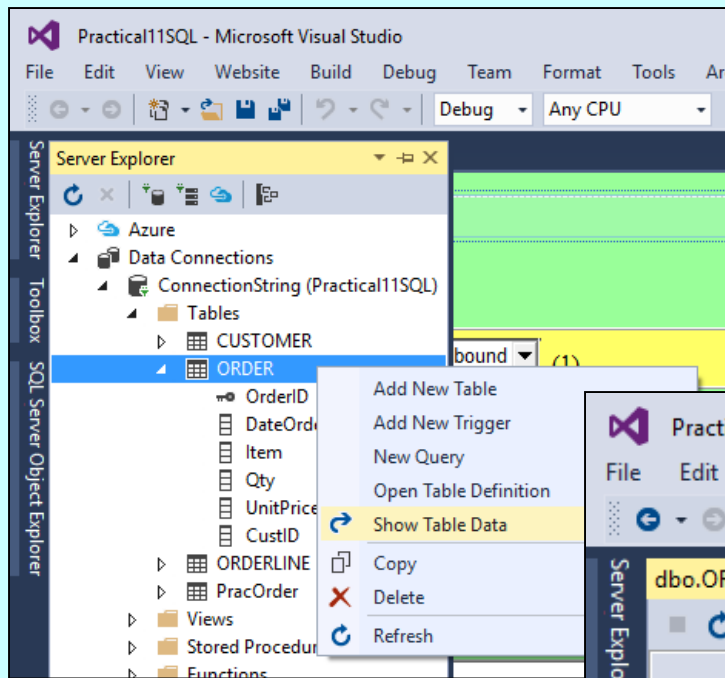
Order Form

Add New Order Records

Existing Order ID	ON-15-90 (1)
Order ID	ON-17-11
Date of Order	2017-03-09
Item	3D Printer
Quantity	2
Unitprice	920.0000
Customer ID	CN-11
	INSERT (2)

One new order record has been added successfully!

New record added into the table



Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team SQL Tools Architecture Test Analyze Window

Server Explorer Toolbox SQL Server Object Explorer

dbo.ORDER [Data] Insertform.aspx

Max Rows: 1000

ORDER table

OrderID	DateOrder	Item	Qty	UnitPrice	CustID
ON-11-01	2012-01-23	Press printer	3	12000.0000	CN-11
ON-11-02	2012-01-26	Paper rolls	500	800.0000	CN-11
ON-12-35	2016-08-02	Sheet roll	20	400.0000	CN-12
ON-12-39	2012-07-12	3-in stainless st...	50	250.0000	CN-12
ON-13-65	2012-03-22	Pumps	10	300.0000	CN-13
ON-13-66	2012-03-23	Hose clips	100	20.0000	CN-13
ON-14-88	2012-04-02	AA Alkaline bat...	100	7000.0000	CN-13
ON-14-89	2012-04-05	Transformer	15	7000.0000	CN-12
ON-14-90	2013-07-23	Propeller	10	750.0000	CN-12
ON-17-11	2017-03-09	3D Printer	2	920.0000	CN-11
NULL	NULL	NULL	NULL	NULL	NULL

New record

Launching of established Updateform.aspx

Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team Format Table Tools Architecture Test Analyze Window Help

Debug Any CPU Internet Explorer (New Inline Style) (None) (Default) B / U

Updateform.aspx

body

Order Form

Update Existing Order Records

Existing Order ID	Databound (1)	
Order ID	[lblOrderID]	
Date of Order		[lblNote1]
Item		[lblNote2]
Quantity		[lblNote3]
Unit price		[lblNote4]
Customer ID	[lblCustID]	
	UPDATE (2)	

[lblMsg]

SqlDataSource - SqlDataSource1

Design Split Source <html> <body>

Output Data Tools Operations Output

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'Practical11SQL' (1 project)

- Practical11SQL
 - App_Data
 - Deleteform.aspx
 - Insertform.aspx
 - Updateform.aspx
 - Updateform.aspx.cs
 - UpdateformGrid.aspx
 - Web.config

Solution E... Team Expl... Class View

Properties

DOCUMENT

ASP.NET

- Culture
- Debug
- EnableSessionSt
- Language C#
- MasterDataFile

ASP.NET

Ready Ln 1 Col 1 Ch 1 INS

Configuration of SqlDataSource1

The screenshot displays the Microsoft Visual Studio IDE with the 'Updateform.aspx' file open. The page title is 'Order Form' and the subtitle is 'Update Existing Order Records'. The form contains several input fields: 'Existing Order ID' (a dropdown menu), 'Order ID' (a text box with a red border), 'Date of Order' (a text box), 'Item' (a text box), 'Quantity' (a text box), 'Unit price' (a text box), and 'Customer ID' (a text box with a red border). There are two 'UPDATE' buttons, one at the bottom right of the form and another at the bottom right of the page. A red box highlights the 'UPDATE' button at the bottom right of the page, with a yellow circle containing the number '2' next to it. Another red box highlights the 'UPDATE' button at the bottom right of the form, with a yellow circle containing the number '1' next to it. The 'SqlDataSource - SqlDataSource1' task pane is open on the right side of the IDE, showing the 'Configure Data Source...' option selected. The 'Design' tab is active at the bottom of the IDE.

Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team Format Table

Updateform.aspx

Order Form

Update Existing Order Records

Existing Order ID Databound (1)

Order ID [lblOrderID]

Date of Order

Item

Quantity

Unit price

Customer ID [lblCustID]

UPDATE (2)

[lblMsg]

SqlDataSource - SqlDataSource1

asp:SqlDataSource#SqlDataSource1

SqlDataSource - SqlDataSource1

SqlDataSource Tasks

Configure Data Source...


Refresh Schema

Design Split Source

<html> <body> <form#

Configuration of SqlDataSource1

Configure Data Source - SqlDataSource1

 **Configure the Select Statement**

How would you like to retrieve data from your database?

☐ Specify a custom SQL statement or stored procedure

☒ Specify columns from a table or view

Name:

ORDER

Columns:

☒ *

☐ OrderID

☐ DateOrder

☐ Item

☐ Qty

☐ UnitPrice

☐ CustID

Select ORDER table

Bind DropDownList to a SqlDataSource1

Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team Format Table Tools Architect

Updateform.aspx* X

Order Form

Update Existing Order Records

Existing Order ID		
Order ID	[lblOrderID]	
Date of Order		
Item		
Quantity		[lblNote3]
Unit price		[lblNote4]
Customer ID	[lblCustID]	
		UPDATE (2)

asp:DropDownList#ddlOrderID

Databound

DropDownList Tasks

- Choose Data Source...
- Configure Data Source...
- Refresh Schema
- Edit Items...
- ☒ Enable AutoPostBack

Data Source Configuration Wizard

Choose a Data Source

Select a data source:

SqlDataSource1

Select a data field to display in the DropDownList:

OrderID

Select a data field for the value of the DropDownList:

OrderID

Run Updateform.aspx

Order Form

Update Existing Order Records

Existing Order ID	ON-11-01 (1)
Order ID	
Date of Order	
Item	
Quantity	
Unit price	
Customer ID	
	UPDATE (2)

Order Form

Update Existing Order Records

Existing Order ID	ON-11-01 (1)
Order ID	ON-11-02
Date of Order	ON-12-35
Item	ON-12-39
Quantity	ON-13-65
Unit price	ON-13-66
Customer ID	ON-14-88
	ON-14-89
	ON-14-90
	ON-17-11
	UPDATE (2)

Update record data in Updateform.aspx

Order Form

Update Existing Order Records

Existing Order ID	ON-17-11 ▼ (1)
Order ID	ON-17-11
Date of Order	2017-03-09 *E
Item	3D Printer *E
Quantity	5 *E
Unit price	920.0000 *E
Customer ID	CN-11
	UPDATE (2)

Order Form

Update Existing Order Records

Existing Order ID	ON-17-11 ▼ (1)
Order ID	ON-17-11
Date of Order	2017-03-09
Item	3D Printer
Quantity	4
Unit price	999.0000
Customer ID	CN-11
	UPDATE (2)

Edited fields

Updated record in the table

The screenshot shows the SQL Server Enterprise Manager interface. In the left pane, the 'Server Explorer' shows the 'Data Connections' folder expanded, with 'ConnectionString (Practical11SQL)' selected. Under 'Tables', the 'ORDER' table is selected. A context menu is open over the 'ORDER' table, with 'Show Table Data' highlighted. The right pane displays the 'ORDER [Data]' table with columns: OrderID, DateOrder, Item, Qty, UnitPrice, and CustID. The record for OrderID 'ON-17-11' is highlighted in blue and enclosed in a red box. A yellow callout bubble points to this record with the text 'Updated record'.

OrderID	DateOrder	Item	Qty	UnitPrice	CustID
ON-11-01	2012-01-23	Press printer	3	12000.0000	CN-11
ON-11-02	2012-01-26	Paper rolls	500	800.0000	CN-11
ON-12-35	2016-08-02	Sheet roll	20	400.0000	CN-12
ON-12-39	2012-07-12	3-in stainless st...	50	250.0000	CN-12
ON-13-65	2012-03-22	Pumps	10	300.0000	CN-13
ON-13-66	2012-03-23	Hose clips	100	20.0000	CN-13
ON-14-88	2012-04-02	AA Alkaline bat...	100		CN-13
ON-14-89	2012-04-05	Transformer	15		CN-12
ON-14-90	2013-07-23	Propeller	10	750.0000	CN-12
ON-17-11	2017-03-09	3D Printer	4	999.0000	CN-11
NULL	NULL	NULL	NULL	NULL	NULL

Launching of Deleteform.aspx

Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team Format Table Tools Architecture Test Analyze Window Help

Debug Any CPU Internet Explorer (New Inline Style) (None) (Default) B I U A

Quick Launch (Ctrl+Q)

Sign in

Server Explorer Toolbox SQL Server Object Explorer

Deleteform.aspx

body

Order Form

Delete Existing Order Records

Existing Order ID	Databound (1)
Order ID to delete	<input type="text"/>
	DELETE (2)

[lblMsg]

SqlDataSource - SqlDataSource1

Design Split Source <html> <body>

Output

Data Tools Operations Output

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'Practical11SQL' (1 project)

- Practical11SQL
 - App_Data
 - Deleteform.aspx
 - Deleteform.aspx.cs
 - Insertform.aspx
 - Updateform.aspx
 - UpdateformGrid.aspx
 - Web.config

Properties

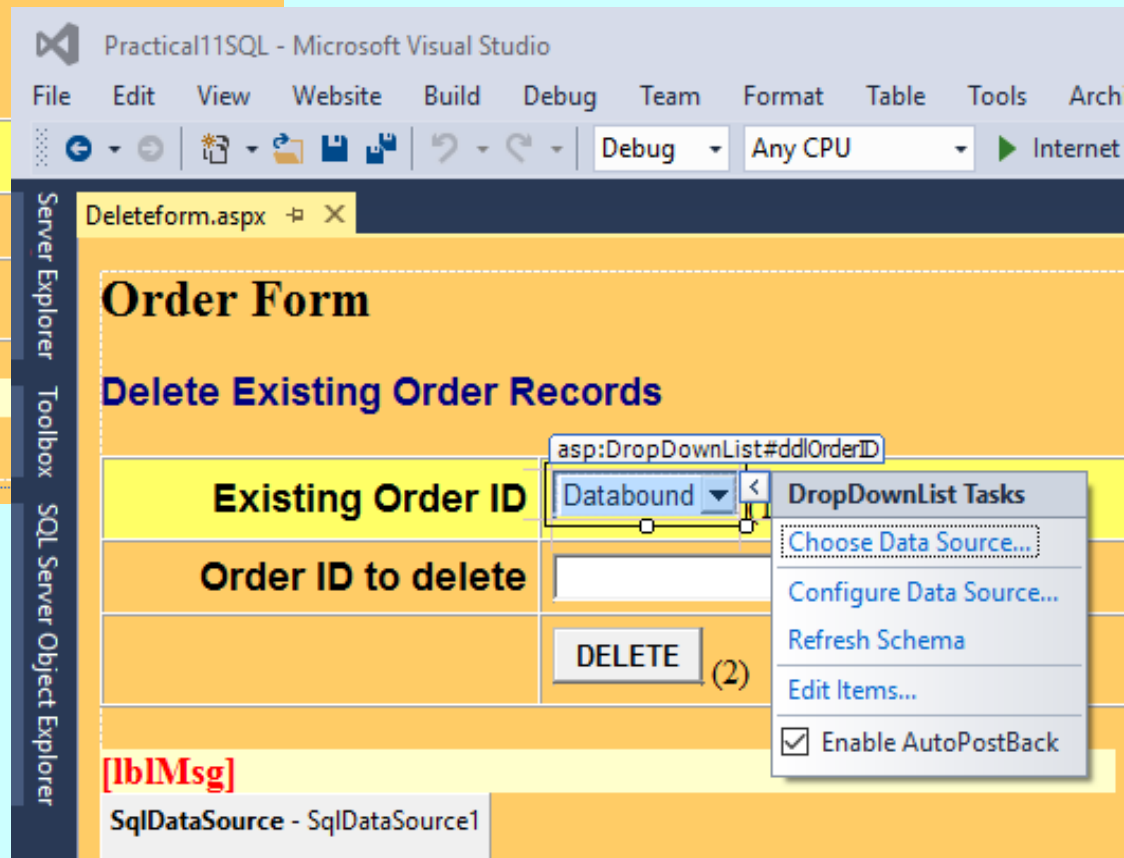
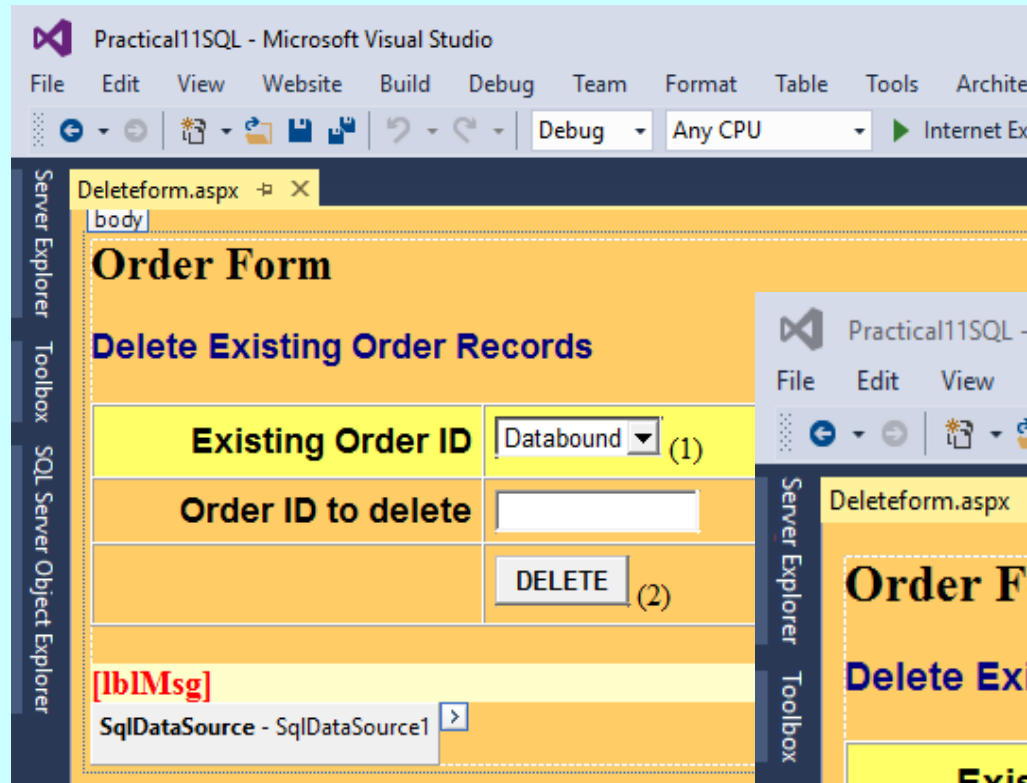
DOCUMENT

ASP.NET

Culture	
Debug	
EnableSessionSt	
Language	C#
MasterPageFile	

ASP.NET

Configure SQLDataSource1 & Binding of DropDownList



Select record and deletion

Order Form

Delete Existing Order Records

Existing Order ID	ON-13-66 ▾ (1)
Order ID to delete	ON-13-66
	<input type="button" value="DELETE"/> (2)

Order Form

Delete Existing Order Records

Existing Order ID	ON-14-89 ▾ (1)
Order ID to delete	ON-14-89
	<input type="button" value="DELETE"/> (2)

One record in the Order table has been deleted successfully !

Record deleted in the selected table

ORDER: Query(al...TRANSACTION.MDF) X Deleteform.aspx.cs Deleteform.aspx Default.as

	OrderID	DateOrder	Item	Qty	UnitPrice	CustID
	ON-11-01	2012-01-23	Press printer	3	12000.0000	CN-11
	ON-11-02	2012-01-26	Paper rolls	500	800.0000	CN-11
	ON-12-35	2012-02-03	4ft Sheet coil	20	400.0000	CN-12
	ON-13-65	2012-03-22	Pumps	10	300.0000	CN-13
	ON-13-66	2012-03-23	Hose clips	100	20.0000	CN-13
	ON-14-88	2012-04-02	AA Alkaline battery	100	1.2000	CN-13
▶	ON-14-89	2012-04-05	Transformer	15	850.0000	CN-12
*	NULL	NULL	NULL	NULL	NULL	NULL

Before deletion

ORDER: Query(al...TRANSACTION.MDF) X Deleteform.aspx.cs Deleteform.aspx Default.as

	OrderID	DateOrder	Item	Qty	UnitPrice	CustID
	ON-11-01	2012-01-23	Press printer	3	12000.0000	CN-11
	ON-11-02	2012-01-26	Paper rolls	500	800.0000	CN-11
	ON-12-35	2012-02-03	4ft Sheet coil	20	400.0000	CN-12
	ON-13-65	2012-03-22	Pumps	10	300.0000	CN-13
	ON-13-66	2012-03-23	Hose clips	100	20.0000	CN-13
▶	ON-14-88	2012-04-02	AA Alkaline battery	100	1.2000	CN-13
*	NULL	NULL	NULL	NULL	NULL	NULL

After deletion

Relational Database in SQL Server

- 1) How to import **database** in SQL Server Express ?
- 2) Insertion, Update and Deletion of records through web forms
- 3) Use of Data Grid for content Management

Launching of UpdateformGrid.aspx

Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team Format Table Tools Architecture Test Analyze Window Help

Debug Any CPU Internet Explorer (New Inline Style) (None) (Default) B / U A

UpdateformGrid.aspx*

Grid View

	OrderID	DateOrder	Item	Qty	UnitPrice	CustID
Edit Select	abc	abc	abc	0	0	abc
Edit Select	abc	abc	abc	1	0.1	abc
Edit Select	abc	abc	abc	2	0.2	abc
Edit Select	abc	abc	abc	3	0.3	abc
1 2						

Details View

OrderID	abc
DateOrder	abc
Item	abc
Qty	0
UnitPrice	0
CustID	abc

SqlDataSource - SqlDataSource1

Design Split Source <html> <body> <form#form1> <table> <tr> <td>

Output Data Tools Operations Output

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'Practical11SQL' (1 project)

- Practical11SQL
 - App_Data
 - Deleteform.aspx
 - Insertform.aspx
 - Updateform.aspx
 - UpdateformGrid.aspx
 - UpdateformGrid.aspx.cs
 - Web.config

Properties

DOCUMENT

ASP.NET

Culture	
Debug	
EnableSessionSt	
Language	C#
MasterDataFile	

ASP.NET

Ready Ln 1 Col 1 Ch 1 INS

Configuration SQLDataSource1

UpdateformGrid.aspx* [X]

Server Explorer Toolbox SQL Server Object Explorer

	OrderID	DateOrder
Edit Select	abc	abc
Edit Select	abc	abc
Edit Select	abc	abc
Edit Select	abc	abc

Details View

OrderID
DateOrder
Item
Qty
UnitPrice
CustID

asp:SqlDataSource#SqlDataSource1


SqlDataSource - SqlDataSource1

SqlDataSource Tasks

- Configure Data Source...
- Refresh Schema

Configure your data source

Configure Data Source - SqlDataSource1

 **Configure the Select Statement**

How would you like to retrieve data from your database?

☐ Specify a custom SQL statement or stored procedure

☒ Specify columns from a table or view

Name:

ORDER

Columns:

☒ *

☐ OrderID

☐ DateOrder

☐ Item

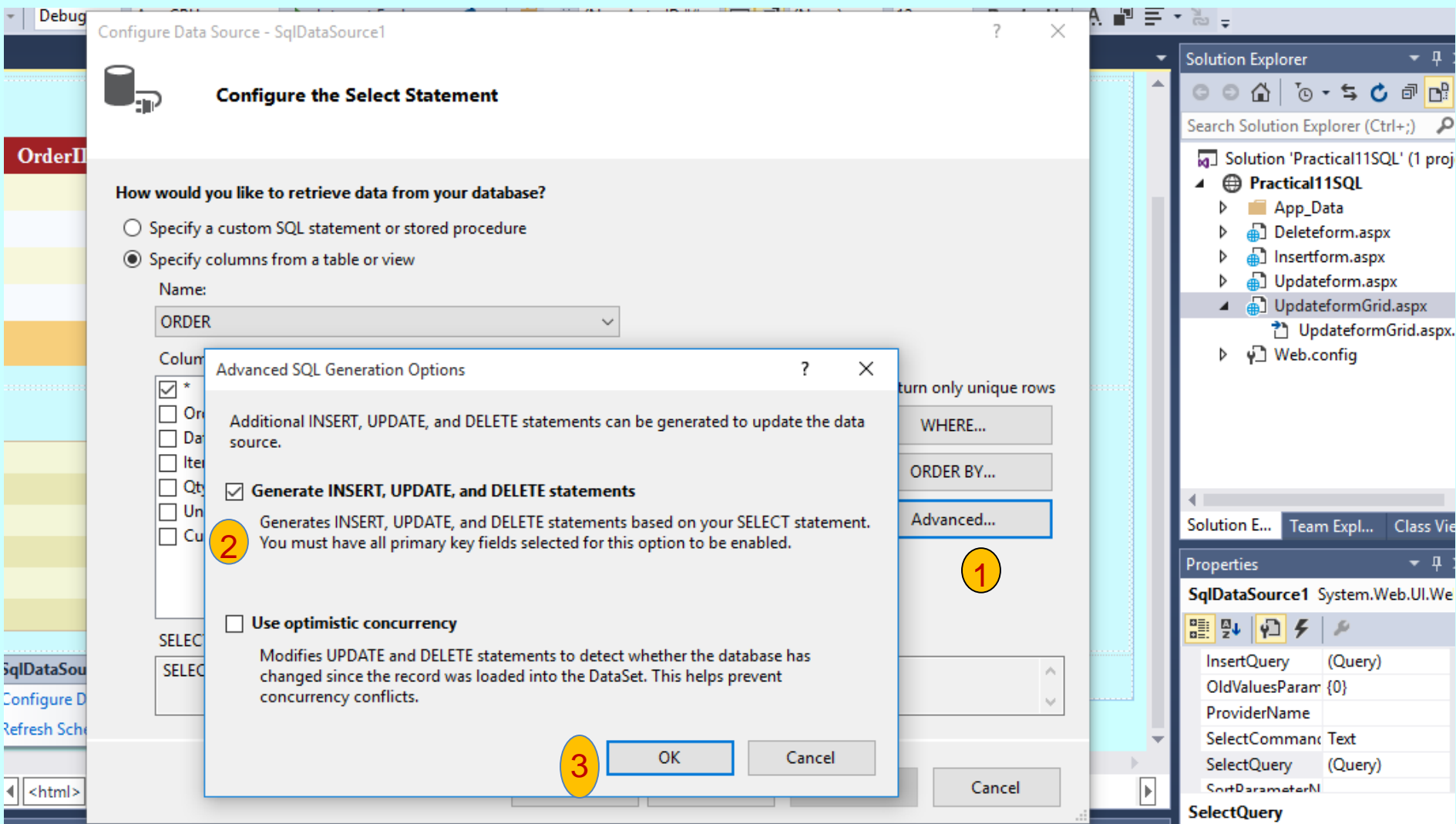
☐ Qty

☐ UnitPrice

☐ CustID

Select ORDER table

Advanced Configuration SQLDataSource1



Bind Grid View to SQLDataSource1

Practical11SQL - Microsoft Visual Studio

File Edit View Website Build Debug Team Format Table Tools Architecture Test Analyze Window Help

UpdateformGrid.aspx* x

asp:GridView#GridView1

Grid View

	OrderID	DateOrder	Item	Qty	UnitPrice	CustID
Edit Select	abc	abc	abc	0	0	abc
Edit Select	abc	abc	abc	1	0.1	abc
Edit Select	abc	abc	abc	2	0	
Edit Select	abc	abc	abc	3	0	

1 2

Details View

OrderID	abc
DateOrder	abc
Item	abc
Qty	0
UnitPrice	0
CustID	abc

SqlDataSource - SqlDataSource1

GridView Tasks

Auto Format...

Choose Data Source: SqlDataSource1

Configure Data Source...

Refresh Schema

Edit Columns...

Add New Column...

Move Column Left

Remove Column

☒ Enable Paging

☐ Enable Sorting

☒ Enable Editing

☐ Enable Deleting

☒ Enable Selection

Edit Templates

Bind Details View to SqlDataSource1

The screenshot shows the Visual Studio IDE with a project named 'Practical11SQL'. The main window displays a 'Grid View' table with columns: OrderID, DateOrder, Item, Qty, UnitPrice, and CustID. Below the grid is a 'Details View' table with columns: OrderID, DateOrder, Item, Qty, UnitPrice, and CustID. A context menu is open over the Details View, showing options like 'Auto Format...', 'Choose Data Source: SqlDataSource1', 'Configure Data Source...', 'Refresh Schema', 'Edit Fields...', 'Add New Field...', and checkboxes for 'Enable Paging', 'Enable Inserting', 'Enable Editing', and 'Enable Deleting'.

OrderID	DateOrder	Item	Qty	UnitPrice	CustID
abc	abc	abc	0	0	abc
abc	abc	abc	1	0.1	abc
abc	abc	abc	2	0.2	abc
abc	abc	abc	3	0.3	abc

OrderID	DateOrder	Item	Qty	UnitPrice	CustID
abc	abc	abc	0	0	abc

Details View Tasks

- Auto Format...
- Choose Data Source: SqlDataSource1
- Configure Data Source...
- Refresh Schema
- Edit Fields...
- Add New Field...
- ☐ Enable Paging
- ☐ Enable Inserting
- ☐ Enable Editing
- ☐ Enable Deleting
- Edit Templates

Run UpdateformGrid.aspx

http://localhost:2058/UpdateformGrid.aspx

File Edit View Favorites Tools Help

Order Form

Use of Data Grid to Manipulate data in Order table

Grid View

		OrderID	DateOrder	Item	Qty	UnitPrice	CustID
Edit	Select	ON-11-01	2012-01-23	Press printer	3	12000.0000	CN-11
Edit	Select	ON-11-02	2012-01-26	Paper rolls	500	800.0000	CN-11
Edit	Select	ON-12-35	2016-08-02	Sheet roll	20	400.0000	CN-12
Edit	Select	ON-12-39	2012-07-12	3-in stainless steel rod	50	250.0000	CN-12
123							

Details View

OrderID	ON-11-01
DateOrder	2012-01-23
Item	Press printer
Qty	3
UnitPrice	12000.0000
CustID	CN-11

Select Record for manipulation

Browser window: <http://localhost:2058/UpdateformGrid.aspx>

Order Form

Use of Data Grid to Manipulate data in Order table

Grid View

		OrderID	DateOrder	Item	Qty	UnitPrice	CustID
Edit	Select	ON-11-01	2012-01-23	Press printer	3	12000.0000	CN-11
Edit	Select	ON-11-02	2012-01-26	Paper rolls	500	800.0000	CN-11
Edit	Select	ON-12-35	2016-08-02	Sheet roll	20	400.0000	CN-12
Edit	Select	ON-12-39	2012-07-12	3-in stainless steel rod	50	250.0000	CN-12
1 2 3							

Details View

OrderID	ON-11-02
DateOrder	2012-01-26
Item	Paper rolls
Qty	500
UnitPrice	800.0000
CustID	CN-11

Update Record in UpdateformGrid.aspx

← → http://localhost:2058/UpdateformGrid.aspx localhost x

File Edit View Favorites Tools Help

Order Form

Use of Data Grid to Manipulate data in Order table

Grid View

		OrderID	DateOrder	Item	Qty	UnitPrice	CustID
Edit	Select	ON-11-01	2012-01-23	Press printer	3	12000.0000	CN-11
Update	Cancel	ON-11-02	<input type="text" value="2012-01-26"/>	<input type="text" value="Paper rolls"/>	<input type="text" value="500"/>	<input type="text" value="800.0000"/>	<input type="text" value="CN-11"/>
Edit	Select	ON-12-35	2016-08-02	Sheet roll	20	400.0000	CN-12
Edit	Select	ON-12-39	2012-07-12	3-in stainless steel rod	50	250.0000	CN-12
1 2 3							

Details View

OrderID	ON-11-02
DateOrder	2012-01-26
Item	Paper rolls
Qty	500
UnitPrice	800.0000
CustID	CN-11

End of Topic