Business Object

Web client

Client

Windows client

Data

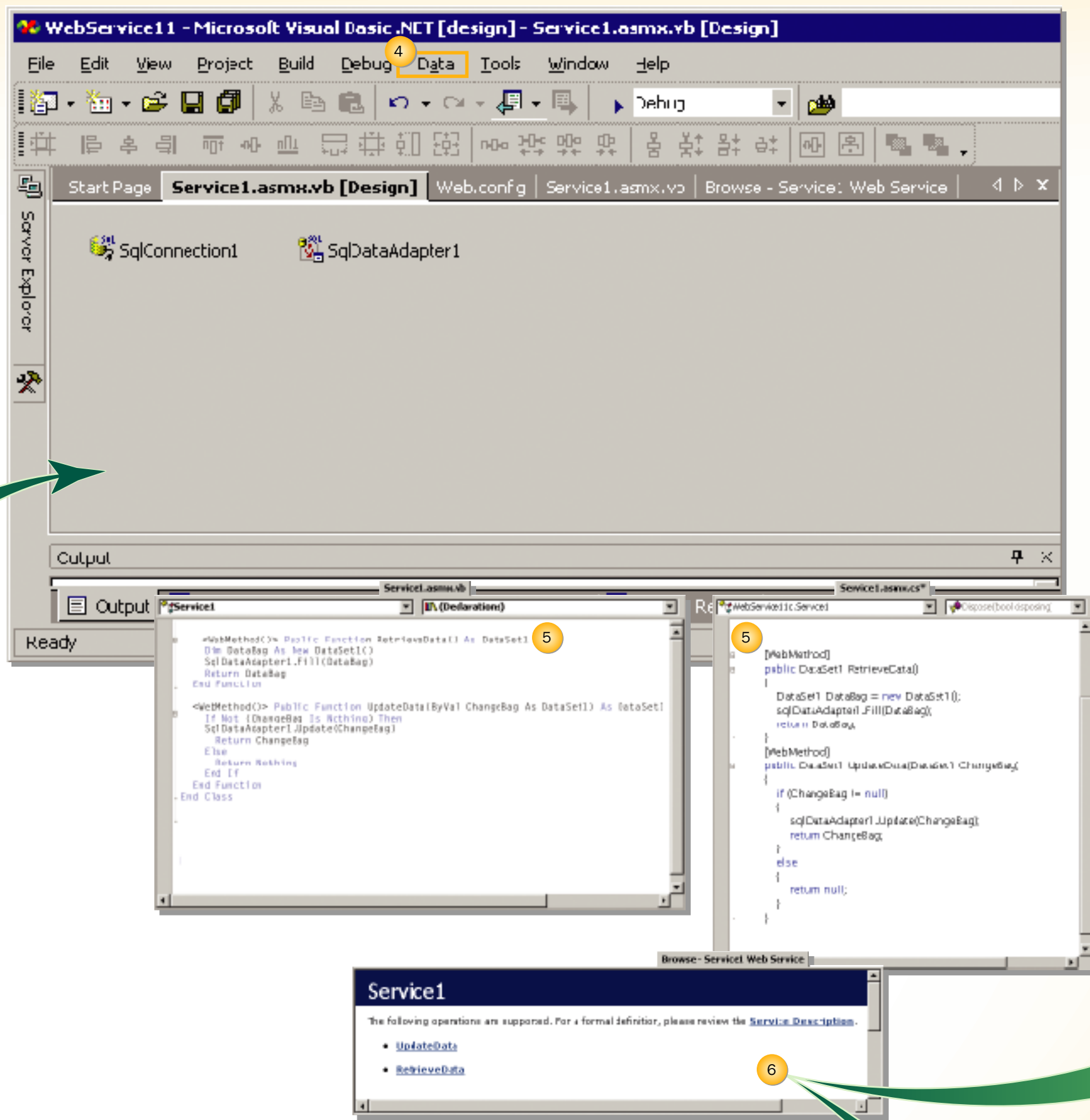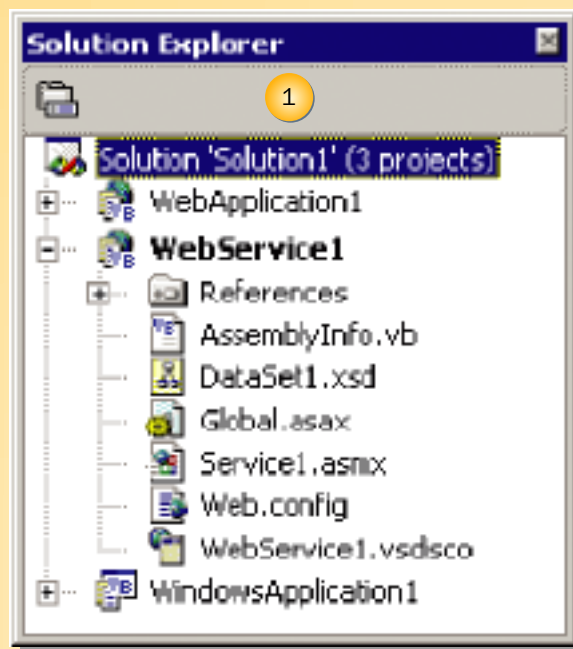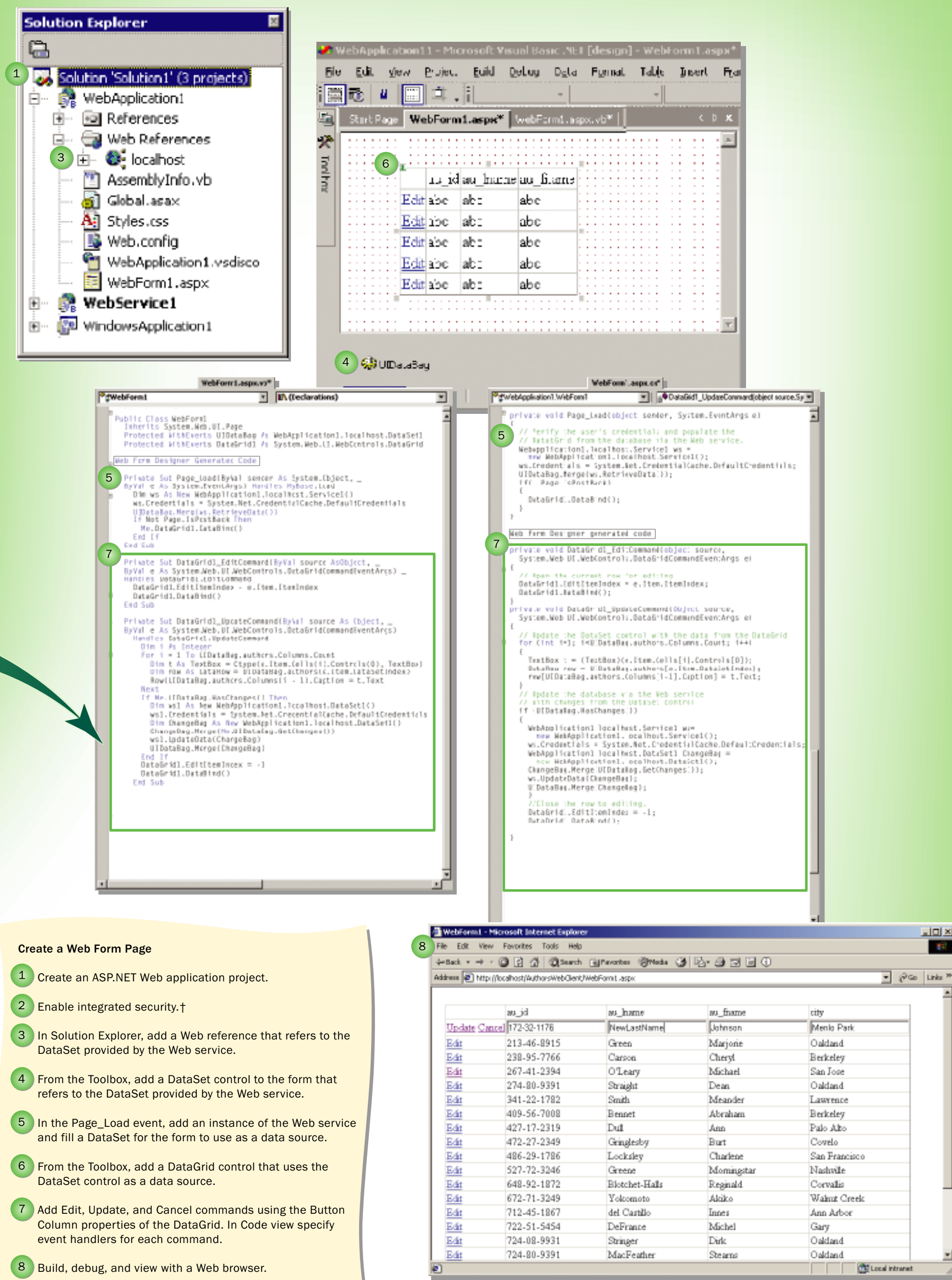### Create a Business Object*

1. Create an ASP.NET Web service project.
2. Enable integrated security.†
3. In Server Explorer, add a data connection and drag table columns onto the Web service in the designer.
4. Generate a DataSet class.
5. Add Web methods for retrieving and updating data.
6. Build, debug, and view with a Web browser.

*In a fully functioning business object, you would add Structured Exception Handling.

†Enable Integrated Security for Web projects

1. In Internet Services Manager, locate the virtual directory for the Web project, and open the Properties window.
2. On the Directory Security tab, edit the properties for Anonymous Access and Authentication to disable anonymous access and enable integrated security.
3. In Solution Explorer, open Web.config for the project and add <identity impersonate = "true"/> after <system.web> in the configuration file.
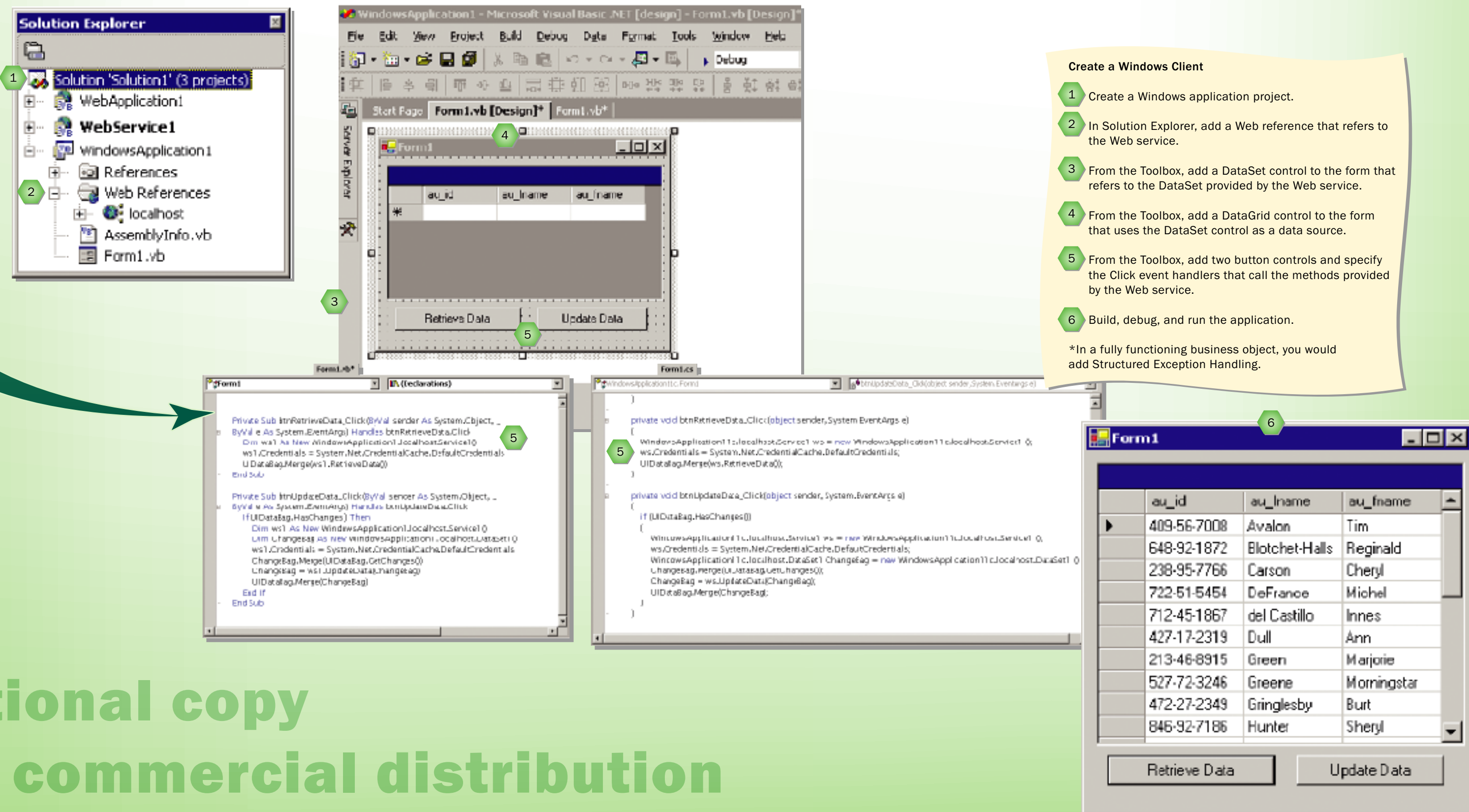
Create a Web Form Page

1. Create an ASP.NET Web application project.
2. Enable integrated security.†
3. In Solution Explorer, add a Web reference that refers to the DataSet provided by the Web service.
4. From the Toolbox, add a DataSet control to the form that refers to the DataSet provided by the Web service.
5. In the Page_Load event, add an instance of the Web service and fill a DataSet for the form to use as a data source.
6. From the Toolbox, add a DataGrid control that uses the DataSet control as a data source.
7. Add Edit, Update, and Cancel commands using the Button Column properties of the DataGrid. In Code view specify event handlers for each command.
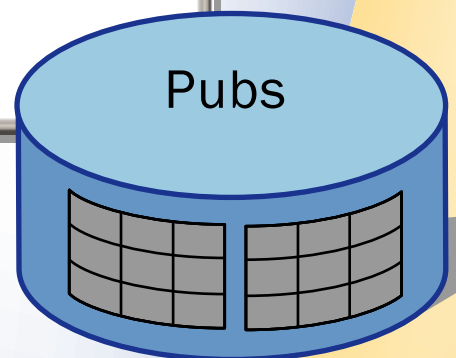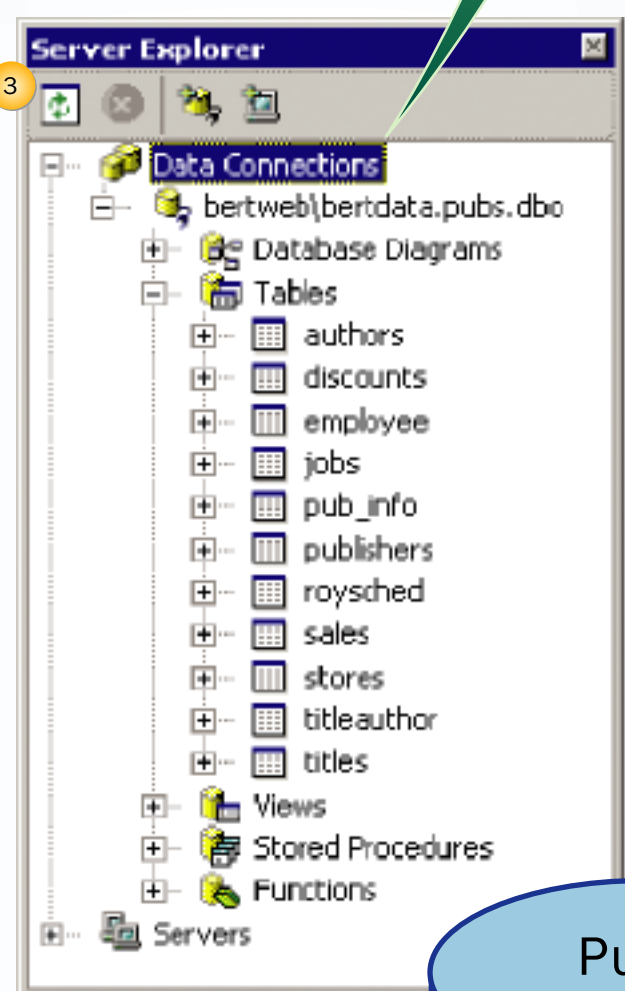8. Build, debug, and view with a Web browser.

Create a Windows Client

1. Create a Windows application project.
2. In Solution Explorer, add a Web reference that refers to the Web service.
3. From the Toolbox, add a DataSet control to the form that refers to the DataSet provided by the Web service.
4. From the Toolbox, add a DataGrid control to the form that uses the DataSet control as a data source.
5. From the Toolbox, add two button controls and specify the Click event handlers that call the methods provided by the Web service.
6. Build, debug, and run the application.

*In a fully functioning business object, you would add Structured Exception Handling.

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