Invoice.aspx

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
        </div>
    </form>
</body>
</html>
```

Invoice.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;

using ceTe.DynamicPDF;
using ceTe.DynamicPDF.LayoutEngine;
using ceTe.DynamicPDF.LayoutEngine.Data;


public partial class LayoutEngine_Invoice : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        // Create the document's layout from a DLEX template
        DocumentLayout documentLayout = new DocumentLayout(Server.MapPath("Invoice.dlex"));

        NameValueLayoutData layoutData = new NameValueLayoutData();
        layoutData.Add("Invoice", RetrieveOrderReportData(Server.MapPath("Order11077.xml")));
        //layoutData.Add("Invoice", RetrieveSqlOrderReportData());

        // Layout the document using the parameters and set it's properties
        Document document = documentLayout.Layout(layoutData);
        document.Author = "ceTe Software";
        document.Title = "Invoice Example";

        // Outputs the document to a file
        document.DrawToWeb("LayoutEngine_Invoice.pdf");
    }

    // This method fires when the DataNeeded event occurs (before the report is laid out)
    private static DataTableReportData RetrieveOrderReportData(string xmlFile)
    {
        // Data is loaded into a DataTable from XML for portability.
        DataTable invoiceData = new DataTable("Order");
        invoiceData.ReadXml(xmlFile);
        return new DataTableReportData(invoiceData);
    }

    // Use this method if you have access to the Northwind sample database.
    private static DataReaderReportData RetrieveSqlOrderReportData()
    {
        string connectionString = "Data Source=(local);Initial Catalog=Northwind;Integrated Security=true";
        string queryString =
            "SELECT o.OrderID, o.CustomerID, o.OrderDate, o.ShippedDate, Freight, o.ShipName, o.ShipAddress, o.ShipCity,
o.ShipPostalCode, " +
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            "    o.ShipCountry, c.CompanyName as BillName, c.Address as BillAddress, c.City as BillCity, c.PostalCode as
            "    c.Country as BillCountry, s.CompanyName as ShipperName, p.ProductName, od.UnitPrice, od.Quantity " +
            "FROM Orders o " +
            "JOIN Customers c ON o.CustomerID = c.CustomerID    JOIN Shippers s ON o.ShipVia = s.ShipperID " +
            "JOIN [Order Details] od ON o.OrderID = od.OrderID  JOIN Products p ON od.ProductID = p.ProductID " +
            "WHERE o.OrderID = @OrderID";

        SqlConnection connection = new SqlConnection(connectionString);

        SqlCommand command = new SqlCommand(queryString, connection);
        command.Parameters.AddWithValue("@OrderID", 11077);

        connection.Open();
        SqlDataReader reader = command.ExecuteReader();

        return new DataReaderReportData(connection, reader);
    }
}
```