

```
1 <%@ Page Language="C#" AutoEventWireup="true" CodeFile="ContactListWithGroupByExample.aspx.cs"
  Inherits="ReportWriterExamples_ContactListWithGroupByExample" %>
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.UI;
6 using System.Web.UI.WebControls;
7 using ceTe.DynamicPDF;
8 using ceTe.DynamicPDF.LayoutEngine;
9 public partial class ReportWriterExamples_ContactListWithGroupByExample : System.Web.UI.Page
10 {
11     protected void Page_Load(object sender, EventArgs e)
12     {
13         // Create the document's layout from a DLEX template
14         DocumentLayout documentLayout = new DocumentLayout(Server.MapPath("ContactListWithGroupBy.dlex"));
15
16         NameValueLayoutData layoutData = new NameValueLayoutData();
17         layoutData.Add("Contacts", ContactListWithGroupByExampleData.Contacts);
18
19         // Layout the document using the parameters and set it's properties
20         Document document = documentLayout.Layout(layoutData);
21         document.Author = "DynamicPDF ReportWriter";
22         document.Title = "Contact List With Group By Example";
23
24         // Outputs the document to a file
25         document.DrawToWeb("ReportWriter_ContactListWithGroupByExample.pdf");
26     }
27 }
28
29 public class ContactListWithGroupByExampleData
30 {
31     public class Contact
32     {
33         public string CustomerID { get; set; }
34         public string CompanyName { get; set; }
35         public string ContactName { get; set; }
36         public string ContactTitle { get; set; }
37         public string Phone { get; set; }
38         public string Fax { get; set; }
39     }
40
41     private static List<Contact> contacts = new List<Contact>()
42     {
43         new Contact { CustomerID = "ALFKI", CompanyName = "Alfreds Futterkiste", ContactName = "Maria Anders", ContactTitle
= "Sales Representative", Phone = "030-0074321", Fax = "030-0076545" },
44         new Contact { CustomerID = "ANATR", CompanyName = "Ana Trujillo Emparedados y helados", ContactName = "Ana
Trujillo", ContactTitle = "Owner", Phone = "(5) 555-4729", Fax = "(5) 555-3745" },
45         new Contact { CustomerID = "ANTON", CompanyName = "Antonio Moreno Taquería", ContactName = "Antonio Moreno",
ContactTitle = "Owner", Phone = "(5) 555-3932", Fax = null },
46         new Contact { CustomerID = "AROUT", CompanyName = "Around the Horn", ContactName = "Thomas Hardy", ContactTitle =
"Sales Representative", Phone = "(171) 555-7788", Fax = "(171) 555-6750" },
```

```
47         new Contact { CustomerID = "BERGS", CompanyName = "Berglunds snabbköp", ContactName = "Christina Berglund",
48             new Contact { CustomerID = "BLAUS", CompanyName = "Blauer See Delikatessen", ContactName = "Hanna Moos",
ContactTitle = "Sales Representative", Phone = "0621-08460", Fax = "0621-08924" },
49             new Contact { CustomerID = "BLONP", CompanyName = "Blondesdssl père et fils", ContactName = "Frédérique Citeaux",
ContactTitle = "Marketing Manager", Phone = "88.60.15.31", Fax = "88.60.15.32" },
50             new Contact { CustomerID = "BOLID", CompanyName = "Bólido Comidas preparadas", ContactName = "Martín Sommer",
ContactTitle = "Owner", Phone = "(91) 555 22 82", Fax = "(91) 555 91 99" },
51             new Contact { CustomerID = "BONAP", CompanyName = "Bon app'", ContactName = "Laurence Lebihan", ContactTitle =
"Owner", Phone = "91.24.45.40", Fax = "91.24.45.41" },
52             new Contact { CustomerID = "BOTTM", CompanyName = "Bottom-Dollar Markets", ContactName = "Elizabeth Lincoln",
ContactTitle = "Accounting Manager", Phone = "(604) 555-4729", Fax = "(604) 555-3745" },
53             new Contact { CustomerID = "BSBEV", CompanyName = "B's Beverages", ContactName = "Victoria Ashworth", ContactTitle =
"Sales Representative", Phone = "(171) 555-1212", Fax = null },
54             new Contact { CustomerID = "CACTU", CompanyName = "Cactus Comidas para llevar", ContactName = "Patricio Simpson",
ContactTitle = "Sales Agent", Phone = "(1) 135-5555", Fax = "(1) 135-4892" },
55             new Contact { CustomerID = "CENTC", CompanyName = "Centro comercial Moctezuma", ContactName = "Francisco Chang",
ContactTitle = "Marketing Manager", Phone = "(5) 555-3392", Fax = "(5) 555-7293" },
56             new Contact { CustomerID = "CHOPS", CompanyName = "Chop-suey Chinese", ContactName = "Yang Wang", ContactTitle =
"Owner", Phone = "0452-076545", Fax = null },
57             new Contact { CustomerID = "COMMI", CompanyName = "Comércio Mineiro", ContactName = "Pedro Afonso", ContactTitle =
"Sales Associate", Phone = "(11) 555-7647", Fax = null },
58             new Contact { CustomerID = "CONSH", CompanyName = "Consolidated Holdings", ContactName = "Elizabeth Brown",
ContactTitle = "Sales Representative", Phone = "(171) 555-2282", Fax = "(171) 555-9199" },
59             new Contact { CustomerID = "WANDK", CompanyName = "Die Wandernde Kuh", ContactName = "Rita Müller", ContactTitle =
"Sales Representative", Phone = "0711-020361", Fax = "0711-035428" },
60             new Contact { CustomerID = "DRACD", CompanyName = "Drachenblut Delikatessen", ContactName = "Sven Ottlieb",
ContactTitle = "Order Administrator", Phone = "0241-039123", Fax = "0241-059428" },
61             new Contact { CustomerID = "DUMON", CompanyName = "Du monde entier", ContactName = "Janine Labrune", ContactTitle =
"Owner", Phone = "40.67.88.88", Fax = "40.67.89.89" },
62             new Contact { CustomerID = "EASTC", CompanyName = "Eastern Connection", ContactName = "Ann Devon", ContactTitle =
"Sales Agent", Phone = "(171) 555-0297", Fax = "(171) 555-3373" },
63             new Contact { CustomerID = "ERNSH", CompanyName = "Ernst Handel", ContactName = "Roland Mendel", ContactTitle =
"Sales Manager", Phone = "7675-3425", Fax = "7675-3426" },
64             new Contact { CustomerID = "FAMIA", CompanyName = "Familia Arquibaldo", ContactName = "Aria Cruz", ContactTitle =
"Marketing Assistant", Phone = "(11) 555-9857", Fax = null },
65             new Contact { CustomerID = "FISSA", CompanyName = "FISSA Fabrica Inter. Salchichas S.A.", ContactName = "Diego
Roel", ContactTitle = "Accounting Manager", Phone = "(91) 555 94 44", Fax = "(91) 555 55 93" },
66             new Contact { CustomerID = "FOLIG", CompanyName = "Folies gourmandes", ContactName = "Martine Rancé", ContactTitle =
"Assistant Sales Agent", Phone = "20.16.10.16", Fax = "20.16.10.17" },
67             new Contact { CustomerID = "FOLKO", CompanyName = "Folk och få HB", ContactName = "Maria Larsson", ContactTitle =
"Owner", Phone = "0695-34 67 21", Fax = null },
68             new Contact { CustomerID = "FRANR", CompanyName = "France restauration", ContactName = "Carine Schmitt",
ContactTitle = "Marketing Manager", Phone = "40.32.21.21", Fax = "40.32.21.20" },
69             new Contact { CustomerID = "FRANS", CompanyName = "Franchi S.p.A.", ContactName = "Paolo Accorti", ContactTitle =
"Sales Representative", Phone = "011-4988260", Fax = "011-4988261" },
70             new Contact { CustomerID = "FRANK", CompanyName = "Frankenversand", ContactName = "Peter Franken", ContactTitle =
"Marketing Manager", Phone = "089-0877310", Fax = "089-0877451" },
```

```
71     new Contact { CustomerID = "FURIB", CompanyName = "Furia Bacalhau e Frutos do Mar", ContactName = "Lino Rodriguez",
ContactTitle = "Sales Manager", Phone = "(1) 354-2534", Fax = "(1) 354-2535" },
72     new Contact { CustomerID = "GALED", CompanyName = "Galería del gastrónomo", ContactName = "Eduardo Saavedra",
ContactTitle = "Marketing Manager", Phone = "(93) 203 4560", Fax = "(93) 203 4561" },
73     new Contact { CustomerID = "GODOS", CompanyName = "Godos Cocina Típica", ContactName = "José Pedro Freyre",
ContactTitle = "Sales Manager", Phone = "(95) 555 82 82", Fax = null },
74     new Contact { CustomerID = "GOURL", CompanyName = "Gourmet Lanchonetes", ContactName = "André Fonseca", ContactTitle
= "Sales Associate", Phone = "(11) 555-9482", Fax = null },
75     new Contact { CustomerID = "GREAL", CompanyName = "Great Lakes Food Market", ContactName = "Howard Snyder",
ContactTitle = "Marketing Manager", Phone = "(503) 555-7555", Fax = null },
76     new Contact { CustomerID = "GROSR", CompanyName = "GROSELLA-Restaurante", ContactName = "Manuel Pereira",
ContactTitle = "Owner", Phone = "(2) 283-2951", Fax = "(2) 283-3397" },
77     new Contact { CustomerID = "HANAR", CompanyName = "Hanari Carnes", ContactName = "Mario Pontes", ContactTitle =
"Accounting Manager", Phone = "(21) 555-0091", Fax = "(21) 555-8765" },
78     new Contact { CustomerID = "HILAA", CompanyName = "HILARION-Abastos", ContactName = "Carlos Hernández", ContactTitle
= "Sales Representative", Phone = "(5) 555-1340", Fax = "(5) 555-1948" },
79     new Contact { CustomerID = "HUNGC", CompanyName = "Hungry Coyote Import Store", ContactName = "Yoshi Latimer",
ContactTitle = "Sales Representative", Phone = "(503) 555-6874", Fax = "(503) 555-2376" },
80     new Contact { CustomerID = "HUNGO", CompanyName = "Hungry Owl All-Night Grocers", ContactName = "Patricia McKenna",
ContactTitle = "Sales Associate", Phone = "2967 542", Fax = "2967 3333" },
81     new Contact { CustomerID = "ISLAT", CompanyName = "Island Trading", ContactName = "Helen Bennett", ContactTitle =
"Marketing Manager", Phone = "(198) 555-8888", Fax = null },
82     new Contact { CustomerID = "KOENE", CompanyName = "Königlich Essen", ContactName = "Philip Cramer", ContactTitle =
"Sales Associate", Phone = "0555-09876", Fax = null },
83     new Contact { CustomerID = "LACOR", CompanyName = "La corne d'abondance", ContactName = "Daniel Tonini",
ContactTitle = "Sales Representative", Phone = "30.59.84.10", Fax = "30.59.85.11" },
84     new Contact { CustomerID = "LAMAI", CompanyName = "La maison d'Asie", ContactName = "Annette Roulet", ContactTitle =
"Sales Manager", Phone = "61.77.61.10", Fax = "61.77.61.11" },
85     new Contact { CustomerID = "LAUGB", CompanyName = "Laughing Bacchus Wine Cellars", ContactName = "Yoshi Tannamuri",
ContactTitle = "Marketing Assistant", Phone = "(604) 555-3392", Fax = "(604) 555-7293" },
86     new Contact { CustomerID = "LAZYK", CompanyName = "Lazy K Kountry Store", ContactName = "John Steel", ContactTitle =
"Marketing Manager", Phone = "(509) 555-7969", Fax = "(509) 555-6221" },
87     new Contact { CustomerID = "LEHMS", CompanyName = "Lehmanns Marktstand", ContactName = "Renate Messner",
ContactTitle = "Sales Representative", Phone = "069-0245984", Fax = "069-0245874" },
88     new Contact { CustomerID = "LETSS", CompanyName = "Let's Stop N Shop", ContactName = "Jaime Yorres", ContactTitle =
"Owner", Phone = "(415) 555-5938", Fax = null },
89     new Contact { CustomerID = "LILAS", CompanyName = "LILA-Supermercado", ContactName = "Carlos González", ContactTitle
= "Accounting Manager", Phone = "(9) 331-6954", Fax = "(9) 331-7256" },
90     new Contact { CustomerID = "LINOD", CompanyName = "LINO-Delicatesses", ContactName = "Felipe Izquierdo", ContactTitle
= "Owner", Phone = "(8) 34-56-12", Fax = "(8) 34-93-93" },
91     new Contact { CustomerID = "LONEP", CompanyName = "Lonesome Pine Restaurant", ContactName = "Fran Wilson",
ContactTitle = "Sales Manager", Phone = "(503) 555-9573", Fax = "(503) 555-9646" },
92     new Contact { CustomerID = "MAGAA", CompanyName = "Magazzini Alimentari Riuniti", ContactName = "Giovanni Rovelli",
ContactTitle = "Marketing Manager", Phone = "035-640230", Fax = "035-640231" },
93     new Contact { CustomerID = "MAISD", CompanyName = "Maison Dewey", ContactName = "Catherine Dewey", ContactTitle =
"Sales Agent", Phone = "(02) 201 24 67", Fax = "(02) 201 24 68" },
94     new Contact { CustomerID = "MEREPE", CompanyName = "Mère Paillard", ContactName = "Jean Fresnière", ContactTitle =
"Marketing Assistant", Phone = "(514) 555-8054", Fax = "(514) 555-8055" },
```

```
95     new Contact { CustomerID = "MORGK", CompanyName = "Morgenstern Gesundkost", ContactName = "Alexander Feuer",
ContactTitle = "Marketing Assistant", Phone = "0342-023176", Fax = null },
96     new Contact { CustomerID = "NORTS", CompanyName = "North/South", ContactName = "Simon Crowther", ContactTitle =
"Sales Associate", Phone = "(171) 555-7733", Fax = "(171) 555-2530" },
97     new Contact { CustomerID = "OCEAN", CompanyName = "Océano Atlántico Ltda.", ContactName = "Yvonne Moncada",
ContactTitle = "Sales Agent", Phone = "(1) 135-5333", Fax = "(1) 135-5535" },
98     new Contact { CustomerID = "OLDWO", CompanyName = "Old World Delicatessen", ContactName = "Rene Phillips",
ContactTitle = "Sales Representative", Phone = "(907) 555-7584", Fax = "(907) 555-2880" },
99     new Contact { CustomerID = "OTTIK", CompanyName = "Ottilies Käseladen", ContactName = "Henriette Pfalzheim",
ContactTitle = "Owner", Phone = "0221-0644327", Fax = "0221-0765721" },
100    new Contact { CustomerID = "PARIS", CompanyName = "Paris spécialités", ContactName = "Marie Bertrand", ContactTitle
= "Owner", Phone = "(1) 42.34.22.66", Fax = "(1) 42.34.22.77" },
101    new Contact { CustomerID = "PERIC", CompanyName = "Pericles Comidas clásicas", ContactName = "Guillermo Fernández",
ContactTitle = "Sales Representative", Phone = "(5) 552-3745", Fax = "(5) 545-3745" },
102    new Contact { CustomerID = "PICCO", CompanyName = "Piccolo und mehr", ContactName = "Georg Pipps", ContactTitle =
"Sales Manager", Phone = "6562-9722", Fax = "6562-9723" },
103    new Contact { CustomerID = "PRINI", CompanyName = "Princesa Isabel Vinhos", ContactName = "Isabel de Castro",
ContactTitle = "Sales Representative", Phone = "(1) 356-5634", Fax = null },
104    new Contact { CustomerID = "QUEDE", CompanyName = "Que Delícia", ContactName = "Bernardo Batista", ContactTitle =
"Accounting Manager", Phone = "(21) 555-4252", Fax = "(21) 555-4545" },
105    new Contact { CustomerID = "QUEEN", CompanyName = "Queen Cozinha", ContactName = "Lúcia Carvalho", ContactTitle =
"Marketing Assistant", Phone = "(11) 555-1189", Fax = null },
106    new Contact { CustomerID = "QUICK", CompanyName = "QUICK-Stop", ContactName = "Horst Kloss", ContactTitle =
"Accounting Manager", Phone = "0372-035188", Fax = null },
107    new Contact { CustomerID = "RANCH", CompanyName = "Rancho grande", ContactName = "Sergio Gutiérrez", ContactTitle =
"Sales Representative", Phone = "(1) 123-5555", Fax = "(1) 123-5556" },
108    new Contact { CustomerID = "RATTC", CompanyName = "Rattlesnake Canyon Grocery", ContactName = "Paula Wilson",
ContactTitle = "Assistant Sales Representative", Phone = "(505) 555-5939", Fax = "(505) 555-3620" },
109    new Contact { CustomerID = "REGGC", CompanyName = "Reggiani Caseifici", ContactName = "Maurizio Moroni",
ContactTitle = "Sales Associate", Phone = "0522-556721", Fax = "0522-556722" },
110    new Contact { CustomerID = "RICAR", CompanyName = "Ricardo Adocicados", ContactName = "Janete Limeira", ContactTitle
= "Assistant Sales Agent", Phone = "(21) 555-3412", Fax = null },
111    new Contact { CustomerID = "RICSU", CompanyName = "Richter Supermarkt", ContactName = "Michael Holz", ContactTitle =
"Sales Manager", Phone = "0897-034214", Fax = null },
112    new Contact { CustomerID = "ROMEY", CompanyName = "Romero y tomillo", ContactName = "Alejandra Camino", ContactTitle
= "Accounting Manager", Phone = "(91) 745 6200", Fax = "(91) 745 6210" },
113    new Contact { CustomerID = "SANTG", CompanyName = "Santé Gourmet", ContactName = "Jonas Bergulfsen", ContactTitle =
"Owner", Phone = "07-98 92 35", Fax = "07-98 92 47" },
114    new Contact { CustomerID = "SAVEA", CompanyName = "Save-a-lot Markets", ContactName = "Jose Pavarotti", ContactTitle
= "Sales Representative", Phone = "(208) 555-8097", Fax = null },
115    new Contact { CustomerID = "SEVES", CompanyName = "Seven Seas Imports", ContactName = "Hari Kumar", ContactTitle =
"Sales Manager", Phone = "(171) 555-1717", Fax = "(171) 555-5646" },
116    new Contact { CustomerID = "SIMOB", CompanyName = "Simons bistro", ContactName = "Jytte Petersen", ContactTitle =
"Owner", Phone = "31 12 34 56", Fax = "31 13 35 57" },
117    new Contact { CustomerID = "SPEC", CompanyName = "Spécialités du monde", ContactName = "Dominique Perrier",
ContactTitle = "Marketing Manager", Phone = "(1) 47.55.60.10", Fax = "(1) 47.55.60.20" },
118    new Contact { CustomerID = "SPLIR", CompanyName = "Split Rail Beer & Ale", ContactName = "Art Braunschweiger",
ContactTitle = "Sales Manager", Phone = "(307) 555-4680", Fax = "(307) 555-6525" },
```

```
119         new Contact { CustomerID = "SUPRD", CompanyName = "Suprêmes délices", ContactName = "Pascale Cartrain", ContactTitle
= "Accounting Manager", Phone = "(071) 23 67 22 20", Fax = "(071) 23 67 22 21" },
120         new Contact { CustomerID = "THEBI", CompanyName = "The Big Cheese", ContactName = "Liz Nixon", ContactTitle =
"Marketing Manager", Phone = "(503) 555-3612", Fax = null },
121         new Contact { CustomerID = "THECR", CompanyName = "The Cracker Box", ContactName = "Liu Wong", ContactTitle =
"Marketing Assistant", Phone = "(406) 555-5834", Fax = "(406) 555-8083" },
122         new Contact { CustomerID = "TOMSP", CompanyName = "Toms Spezialitäten", ContactName = "Karin Josephs", ContactTitle
= "Marketing Manager", Phone = "0251-031259", Fax = "0251-035695" },
123         new Contact { CustomerID = "TORTU", CompanyName = "Tortuga Restaurante", ContactName = "Miguel Angel Paolino",
ContactTitle = "Owner", Phone = "(5) 555-2933", Fax = null },
124         new Contact { CustomerID = "TRADH", CompanyName = "Tradição Hipermercados", ContactName = "Anabela Domingues",
ContactTitle = "Sales Representative", Phone = "(11) 555-2167", Fax = "(11) 555-2168" },
125         new Contact { CustomerID = "TRAIH", CompanyName = "Trail's Head Gourmet Provisioners", ContactName = "Helvetius
Nagy", ContactTitle = "Sales Associate", Phone = "(206) 555-8257", Fax = "(206) 555-2174" },
126         new Contact { CustomerID = "VAFFE", CompanyName = "Vaffeljernet", ContactName = "Palle Ibsen", ContactTitle = "Sales
Manager", Phone = "86 21 32 43", Fax = "86 22 33 44" },
127         new Contact { CustomerID = "VICTE", CompanyName = "Victuailles en stock", ContactName = "Mary Saveley", ContactTitle
= "Sales Agent", Phone = "78.32.54.86", Fax = "78.32.54.87" },
128         new Contact { CustomerID = "VINET", CompanyName = "Vins et alcools Chevalier", ContactName = "Paul Henriot",
ContactTitle = "Accounting Manager", Phone = "26.47.15.10", Fax = "26.47.15.11" },
129         new Contact { CustomerID = "WARTH", CompanyName = "Wartian Herkku", ContactName = "Pirkko Koskitalo", ContactTitle =
"Accounting Manager", Phone = "981-443655", Fax = "981-443655" },
130         new Contact { CustomerID = "WELLI", CompanyName = "Wellington Importadora", ContactName = "Paula Parente",
ContactTitle = "Sales Manager", Phone = "(14) 555-8122", Fax = null },
131         new Contact { CustomerID = "WHITC", CompanyName = "White Clover Markets", ContactName = "Karl Jablonski",
ContactTitle = "Owner", Phone = "(206) 555-4112", Fax = "(206) 555-4115" },
132         new Contact { CustomerID = "WILMK", CompanyName = "Wilman Kala", ContactName = "Matti Karttunen", ContactTitle =
"Owner/Marketing Assistant", Phone = "90-224 8858", Fax = "90-224 8858" },
133         new Contact { CustomerID = "WOLZA", CompanyName = "Wolski Zajazd", ContactName = "Zbyszek Piestrzeniewicz",
ContactTitle = "Owner", Phone = "(26) 642-7012", Fax = "(26) 642-7012" }
134     };
135
136     public static List<Contact> Contacts
137     {
138         get { return contacts; }
139     }
140 }
```