ContactList.asp

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<!-- METADATA TYPE="typelib" UUID="{DF9225FE-94A4-490D-8CAD-E8366CE621D3}"-->
<%
Option Explicit
Dim MyDocument, MyPage, MyRecordset, MyTemplate, MySqlConn, MyStrConn, BodyBottom, FooterHeight, HeaderHeight, CurrentY
Dim AlternateBG
Dim CurrentFirstI
Dim CompanyName, ContactName, ContactTitle, CustomerID, Phone, Fax, FieldCreated, FirstField, SecondField
Dim RectCreated
Dim NewPage
Dim MyRectangle
Call Main()

Sub Main()
 Set MyDocument = Server.CreateObject( "DynamicPDF.Document" )
 MyDocument.Creator = "ContactList.asp"
 MyDocument.Author = "ceTe Software"
 MyDocument.Title = "Contact List"
 HeaderHeight = 74
 FooterHeight = 14
 AlternateBG = False
 FieldCreated = False
 RectCreated = False
 FirstField = False
 SecondField = False
 CurrentY = 0
 NewPage = False
 CurrentFirstI = " "
 MyDocument.DefaultMarginTop = 36
 MyDocument.DefaultMarginBottom = 36
 MyDocument.DefaultMarginLeft = 36
 MyDocument.DefaultMarginRight = 36
 MyDocument.DefaultPageWidth = 792
 MyDocument.DefaultPageHeight = 612
 BodyBottom = MyDocument.DefaultPageHeight - ( MyDocument.DefaultMarginTop * 2 ) - FooterHeight
 Set MyTemplate = MyDocument.SetTemplate
 Call SetMyTemplate()
 Set MySqlConn = Server.CreateObject( "ADODB.Connection" )

 Dim MyStrConn
 MyStrConn = "File Name=" & Server.MapPath( "Northwind_Cnn.udl" )
 MySqlConn.Open MyStrConn

 Call CreateContactList()
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 Call BuildDocument()
 MyDocument.DrawToWeb
 MyRecordset.Close()
 MySqlConn.Close()
End Sub

Sub SetMyTemplate()
 Dim SetHeadingLabel
 Dim SetContactList
 Dim DateLabel
 Dim CustIdLabel
 Dim CompanyLabel
 Dim ContactLabel
 Dim TitleLabel
 Dim PhoneLabel
 Dim FaxLabel
 Dim MyPageNumLabel

 MyTemplate.AddImage Server.MapPath( "./Images/DPDFLogo.png" ), 0, 0, 21
 Set SetHeadingLabel = MyTemplate.AddLabel( "Northwind Traders", 0, 0, 720, 18 )
 SetHeadingLabel.Font = DPDF_Font_HelveticaBold
 SetHeadingLabel.FontSize = 18
 SetHeadingLabel.Align = DPDF_Align_Center
 Set SetContactList = MyTemplate.AddLabel( "Contact List", 0, 21, 720, 12 )
 SetContactList.Font = DPDF_Font_Helvetica
 SetContactList.FontSize = 12
 SetContactList.Align = DPDF_Align_Center
 Set DateLabel = MyTemplate.AddLabel(Cstr(Datepart( "d", Now() ) & " " & MonthName(Datepart( "m", Now() ), True ) &" " &
Datepart( "yyyy", Now() ) & " " & Cstr( Time() )), 0, 36, 720, 12 )
 DateLabel.Font =  DPDF_Font_Helvetica
 DateLabel.FontSize = 12
 DateLabel.Align = DPDF_Align_Center
 MyTemplate.AddRectangle 0, 56, 720, 16, "0000A0", , 1, , DPDF_ApplyColor_Fill
 Set CustIdLabel = MyTemplate.AddLabel( "Cust ID", 2, 56, 58, 12 )
 CustIdLabel.Font = DPDF_Font_HelveticaBold
 CustIdLabel.FontSize = 12
 CustIdLabel.Align = DPDF_Align_Left
 CustIdLabel.TextColor = "ffffff" 'White Color
 Set CompanyLabel = MyTemplate.AddLabel( "Company", 62, 56, 156, 12 )
 CompanyLabel.Font = DPDF_Font_HelveticaBold
 CompanyLabel.FontSize = 12
 CompanyLabel.Align = DPDF_Align_Left
 CompanyLabel.TextColor = "ffffff" 'White Color
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 Set ContactLabel = MyTemplate.AddLabel( "Contact", 222, 56, 156, 12 )
 ContactLabel.Font = DPDF_Font_HelveticaBold
 ContactLabel.FontSize = 12
 ContactLabel.Align = DPDF_Align_Left
 ContactLabel.TextColor = "ffffff" 'White Color
 Set TitleLabel = MyTemplate.AddLabel( "Title", 362, 56, 156, 12 )
 TitleLabel.Font = DPDF_Font_HelveticaBold
 TitleLabel.FontSize = 12
 TitleLabel.Align = DPDF_Align_Left
 TitleLabel.TextColor = "ffffff" 'White Color
 Set PhoneLabel = MyTemplate.AddLabel( "Phone", 522, 56, 86, 12 )
 PhoneLabel.Font = DPDF_Font_HelveticaBold
 PhoneLabel.FontSize = 12
 PhoneLabel.Align = DPDF_Align_Left
 PhoneLabel.TextColor = "ffffff" 'White Color
 Set FaxLabel = MyTemplate.AddLabel( "Fax", 622, 56, 86, 12 )
 FaxLabel.Font = DPDF_Font_HelveticaBold
 FaxLabel.FontSize = 12
 FaxLabel.Align = DPDF_Align_Left
 FaxLabel.TextColor = "ffffff" 'White Color
 Set MyPageNumLabel = MyTemplate.AddPageNumberingLabel( "Page %%CP(i)%% of %%TP(i)%%", 0, BodyBottom + 5, 720, 10 )
 MyPageNumLabel.Font = DPDF_Font_Helvetica
 MyPageNumLabel.FontSize = 10
 MyPageNumLabel.Align = DPDF_Align_Center
End Sub

Sub CreateContactList()
 Dim MyStrSql
 Set MyRecordset = Server.CreateObject( "ADODB.Recordset" )
 MyStrSql = "SELECT CustomerID, FirstL = Left( CompanyName, 1 ), " & _
 "CompanyName, ContactName, ContactTitle, Phone, Fax " & _
 "FROM Customers ORDER BY CompanyName"
 MyRecordset.Open MyStrSql, MySqlConn, 3, 1
End Sub

Sub BuildDocument()
    AddNewPage()
    If MyRecordset.EOF = False Then
        AddSectionHeader()
    End if

    Do While Not MyRecordset.EOF
  AddRecord()
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  MyRecordset.MoveNext
  FieldCreated = False
  FirstField = False
  SecondField = False
 Loop
End Sub

Sub AddRecord()
 Call CreateFields()
End Sub

Function SafeDBNull( Field )
 'Returns an empty string if the Field value is Null
 If IsNull(Field) Then
  SafeDBNull = False
 Else
  SafeDBNull = True
 End If
End Function

Function SetExpandableRecords(CompanyName,ContactName,ContactTitle)
 ' Gets the maximum height requred of the three TextAreas
 Dim RequiredHeight
 RequiredHeight = GetMaxRecordHeight(CompanyName, ContactName, ContactTitle)
 ' Add space for the section header if required
 Dim SectionHeaderHeight
 SectionHeaderHeight = 0
 ' Check if same Section
 If CurrentFirstI <> Cstr(MyRecordset.Fields(1)) Then
  SectionHeaderHeight = 26
 End If

 ' Add a new MyPage if needed
 If BodyBottom  < CurrentY + RequiredHeight + SectionHeaderHeight + 4  Then
  AddNewPage()
  If FieldCreated = False Then
     Call CreateFields()
  End if

  If SectionHeaderHeight = 0 Then
   AlternateBG = not AlternateBG
   ' Update Y coordinate of TextArea when placed on the new MyPage
   If FieldCreated = False Then
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    CompanyName.Y = CurrentY + 3
    ContactName.Y = CurrentY + 3
    ContactTitle.Y = CurrentY + 3
   End if
  End If
 End If

 ' Add section header if required
 If SectionHeaderHeight > 0 Then
  AddSectionHeader()
  If FieldCreated = False Then
   CompanyName.Y = CurrentY + 3
   ContactName.Y = CurrentY + 3
   ContactTitle.Y = CurrentY + 3
  End if
 End If
 SetExpandableRecords = RequiredHeight
End Function

Function GetMaxRecordHeight( CompanyName, ContactName, ContactTitle )
' Returns the maximum required height of the three TextAreas
 Dim RequiredHeight
 RequiredHeight = 11
 Dim RequiredHeightB
 RequiredHeightB = 0
 RequiredHeight = CompanyName.GetRequiredHeight()
 RequiredHeightB = ContactName.GetRequiredHeight()
 If RequiredHeightB > RequiredHeight Then
  RequiredHeight = RequiredHeightB
 End If
 RequiredHeightB = ContactTitle.GetRequiredHeight()
 If RequiredHeightB > RequiredHeight Then
  RequiredHeight = RequiredHeightB
 End If

 If RequiredHeight > 11 Then
  CompanyName.Height = RequiredHeight
  ContactName.Height = RequiredHeight
  ContactTitle.Height = RequiredHeight
 End If
 GetMaxRecordHeight =RequiredHeight
End Function

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Sub AddSectionHeader()
 ' Adds a section header to the current Y coordinate of the current MyPage
 If FieldCreated = False Then
  Dim SectionLabel
  CurrentFirstI = CStr(MyRecordset.Fields(1))
  Set SectionLabel = MyPage.AddLabel("- " + CurrentFirstI + " -", 0, CurrentY + 6, 720, 18)
  CurrentY = CurrentY + 26
  SectionLabel.Font = DPDF_Font_HelveticaBold
  SectionLabel.FontSize = 18
  SectionLabel.Align = DPDF_Align_Center
 End if
  AlternateBG = False
End Sub

Sub AddNewPage()
 Set MyPage = MyDocument.AddPage()
 CurrentY = HeaderHeight
 NewPage = True
End Sub

Sub CreateFields()
' Check if TextArea have been created for one Contact Information in a New Page
 If FieldCreated = False Then
  If BodyBottom  > CurrentY + RequiredHeight + 18 Then
   'Putting Color for the Contact and not for Section header
   If CurrentFirstI = Cstr( MyRecordset.Fields( 1 ) ) Then
    If AlternateBG Then
     Set MyRectangle = MyPage.AddRectangle( 0, CurrentY  , 720, RequiredHeight, "E0E0FF", , 1, , DPDF_ApplyColor_Fill )
     RectCreated = True
    End If
   End if

   Set CompanyName = MyPage.AddTextArea(CStr( MyRecordset.Fields( 2 ) ), 62, CurrentY + 3, 156, 11 )
   CompanyName.Font = DPDF_Font_TimesRoman
   CompanyName.FontSize = 11
   Set ContactName = MyPage.AddTextArea(CStr( MyRecordset.Fields( 3 ) ), 222, CurrentY + 3, 136, 11 )
   ContactName.Font = DPDF_Font_TimesRoman
   ContactName.FontSize = 11
   Set ContactTitle = MyPage.AddTextArea(CStr( MyRecordset.Fields( 4 ) ), 362, CurrentY + 3, 156, 11 )
   ContactTitle.Font = DPDF_Font_TimesRoman
   ContactTitle.FontSize = 11
   FirstField = True
   NewPage = False
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  End if
  Dim RequiredHeight
  RequiredHeight = SetExpandableRecords( CompanyName, ContactName, ContactTitle )
  If BodyBottom > CurrentY + RequiredHeight and FieldCreated = False Then
   Set CustomerID = MyPage.AddLabel(CStr( MyRecordset.Fields( 0 ) ), 2, CurrentY + 3, 58, 11 )
   CustomerID.Font = DPDF_Font_TimesRoman
   CustomerID.FontSize = 11
   Set Phone = MyPage.AddLabel(CStr( MyRecordset.Fields( 5 ) ), 522, CurrentY + 3, 96, 11 )
   Phone.Font = DPDF_Font_TimesRoman
   Phone.FontSize = 11
    If SafeDBNull( MyRecordset.Fields( 6 ) ) Then
     Set Fax = MyPage.AddLabel(Cstr( MyRecordset.Fields( 6 ) ), 622, CurrentY + 3, 96, 11 )
     Fax.Font = DPDF_Font_TimesRoman
     Fax.FontSize = 11
    End If
  SecondField = True
  NewPage = False
  End if

  If RectCreated Then
   MyRectangle.Height = RequiredHeight + 6
   RectCreated = False
  End if
  ' Increments the current Y position on the MyPage
  CurrentY = CurrentY + RequiredHeight + 6
  If SecondField = True and FirstField = True Then
   FieldCreated = True
   SecondField = False
   FirstField = False
  End if

  If FieldCreated = True Then
   AlternateBG = not AlternateBG
  End if
 End if
End Sub
```