Charting.asp

```
<!-- METADATA TYPE="typelib" UUID="DF9225FE-94A4-490d-8CAD-E8366CE621D3"-->
<%
' Create a PDF Document
Dim document
Set document = Server.CreateObject("DynamicPDF.Document")
document.Creator = "Charting.asp"
document.Author = "ceTe Software"
document.Title = "All Types Of Charts"

Call AddCharts(document)
document.DrawToWeb

Sub AddCharts(document)
 'Create a Page and add it to the document
 Dim MyPage1
 Set MyPage1 = document.AddPage()
 MyPage1.PageWidth = 792
 MyPage1.PageHeight = 612

 Dim MyDocTemplate
 Set MyDocTemplate = document.SetTemplate()
 Dim MyPageNumLabel
 Set MyPageNumLabel = MyDocTemplate.AddPageNumberingLabel( "Page %%CP%% of %%TP%%",100,525,512,12)
 MyPageNumLabel.Font =DPDF_Font_Helvetica
 MyPageNumLabel.FontSize = 12
 MyPageNumLabel.Align = DPDF_TextAlign_Center

 Dim MyPage
 Set MyPage = document.AddPage()
 MyPage.PageWidth = 792
 MyPage.PageHeight = 612
 MyPage.MarginLeft = 35

 Call AddAreaChart(MyPage,0,40,document)
 Call AddPieChart(MyPage,0,280,document)
 Call AddLineChart(MyPage,250,40,document)
 Call AddBarChart(MyPage,250,280,document)
 Call AddColumnChart(MyPage,500,40,document)
 Call XYScatterChart(MyPage,500,280,document)
 Call MultiTypeSeriesChart(MyPage1,20,50,document)
End Sub

Sub AddAreaChart(MyPage,x,y,document)
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44
45  Call AddCaptionAndRectangle (document,MyPage,"Stacked Area Chart" ,x,y,225,225)
46  ' Create a chart
47  Dim Chart
48  Set Chart = MyPage.AddChart(x+10, y+25, 200, 200,DPDF_Font_Helvetica, 10)
49  ' Create header titles and add it to the chart
50  Dim MyTitle1
51  Set MyTitle1 =Chart.AddHeaderTitle ("Website Visitors")
52  ' Create a indexed stacked area series
53  Dim MyStackedAreaSeries1
54  Set MyStackedAreaSeries1 = Chart.PrimaryPlotArea.AddIndexedStackedAreaSeries()
55  ' Create a indexed area series element and add values to it
56  Dim MySeriesElement1
57  Set MySeriesElement1 = MyStackedAreaSeries1.AddElement("Website A")
58  MySeriesElement1.AddValue 5
59  MySeriesElement1.AddValue 7
60  MySeriesElement1.AddValue 9
61  MySeriesElement1.AddValue 6
62  Dim MySeriesElement2
63  Set MySeriesElement2 = MyStackedAreaSeries1.AddElement("Website B")
64  MySeriesElement2.AddValue 4
65  MySeriesElement2.AddValue 2
66  MySeriesElement2.AddValue 5
67  MySeriesElement2.AddValue 8
68  Dim MySeriesElement3
69  Set MySeriesElement3 = MyStackedAreaSeries1.AddElement("Website C")
70  MySeriesElement3.AddValue 2
71  MySeriesElement3.AddValue 4
72  MySeriesElement3.AddValue 6
73  MySeriesElement3.AddValue 9
74  MySeriesElement1.Color = document.Colors.GetAutoGradient(90,document.Colors.GetCmykColor(0.0, 1.0, 1.0, 0.0),
    document.Colors.GetCmykColor(0.0,  0.5512195, 0.5512195, 0.19607842))
75  MySeriesElement2.Color = document.Colors.GetAutoGradient(90,document.Colors.GetCmykColor(1.0, 0.0, 1.0, 0.4980392),
    document.Colors.GetCmykColor (0.248780474, 0.0, 0.756097555, 0.19607842))
76  MySeriesElement3.Color = document.Colors.GetAutoGradient(120,document.Colors.GetCmykColor(1.0, 1.0, 0.0, 0.0),
    document.Colors.GetCmykColor (0.24782607, 0.06086956, 0.0, 0.09803921))
77  'Create title to the yaxis
78  Dim MyTitle3
79  Set MyTitle3 =MyStackedAreaSeries1.yAxis.AddTitle ("Visitors (in millions)")
80  MyStackedAreaSeries1.XAxis.AddLabel "Q1",0
81  MyStackedAreaSeries1.XAxis.AddLabel "Q2",1
82  MyStackedAreaSeries1.XAxis.AddLabel "Q3",2
83  MyStackedAreaSeries1.XAxis.AddLabel "Q4",3
```

```
 Chart.GetLegend(0).Visible = False
End Sub

Sub AddLineChart(MyPage,x,y,document)
 Call AddCaptionAndRectangle (document,MyPage," Line Chart" ,x,y,225,225)

 ' Create a chart
 Dim Chart
 Set Chart = MyPage.AddChart(x+10, y+25, 200, 200,DPDF_Font_Helvetica, 10)
 ' Create header titles and add it to the chart
 Dim MyTitle1
 Set MyTitle1 =Chart.AddHeaderTitle ("Website Visitors")
 ' Create a indexed line series
 Dim MyLineSeries1
 Set MyLineSeries1 = Chart.PrimaryPlotArea.AddIndexedLineSeries("Website A")
 MyLineSeries1.AddValue 5
 MyLineSeries1.AddValue 7
 MyLineSeries1.AddValue 9
 MyLineSeries1.AddValue 6
 Dim MyLineSeries2
 Set MyLineSeries2 = Chart.PrimaryPlotArea.AddIndexedLineSeries("Website B")
 MyLineSeries2.AddValue 4
 MyLineSeries2.AddValue 2
 MyLineSeries2.AddValue 5
 MyLineSeries2.AddValue 8
 Dim MyLineSeries3
 Set MyLineSeries3 = Chart.PrimaryPlotArea.AddIndexedLineSeries("Website C")
 MyLineSeries3.AddValue 2
 MyLineSeries3.AddValue 4
 MyLineSeries3.AddValue 6
 MyLineSeries3.AddValue 9
 'Create a title to the yaxis
 Dim MyTitle3
 Set MyTitle3 =MyLineSeries1.yAxis.AddTitle ("Visitors (in millions)")

 'Adding AxisLabels to the XAxis
 MyLineSeries1.xAxis.AddLabel "Q1", 0
 MyLineSeries1.xAxis.AddLabel "Q2", 1
 MyLineSeries1.xAxis.AddLabel "Q3", 2
 MyLineSeries1.xAxis.AddLabel "Q4", 3
 Chart.GetLegend(0).Visible = False
End Sub

```

```
127 Sub AddPieChart(MyPage,x,y,document)
128  Call AddCaptionAndRectangle (document,MyPage,"Pie Chart" ,x,y,225,225)
129  'Create a chart
130  Dim Chart
131  Set Chart = MyPage.AddChart(x+10,y+25,200, 200,DPDF_Font_Helvetica, 10)
132
133  'Create header titles and add it to the chart
134  Dim MyTitle1
135  Set MyTitle1 =Chart.AddHeaderTitle ("Website Visitors(in millions)")
136
137  'Create a pieseries
138  Dim pieseries
139  Set pieseries = Chart.PrimaryPlotArea.AddPieSeries()
140
141  'Create DataLabel
142  Dim datalabel
143  Set datalabel = pieseries.GetScalarDataLabel(True, False, False)
144  pieseries.datalabel = datalabel
145
146  'Add the element
147  Dim PieseriesElement1
148  Set PieseriesElement1 = pieseries.AddElement(27, "Website A")
149
150  Dim PieseriesElement2
151  Set PieseriesElement2 = pieseries.AddElement(19, "Website B")
152
153  Dim PieseriesElement3
154  Set PieseriesElement3 = pieseries.AddElement(21, "Website C")
155
156  PieseriesElement1.Color = document.Colors.GetAutoGradient(90,document.Colors.GetCmykColor(0.0, 1.0, 1.0, 0.0),
     document.Colors.GetCmykColor(0.0,  0.5512195, 0.5512195, 0.19607842))
157  PieseriesElement2.Color = document.Colors.GetAutoGradient(90,document.Colors.GetCmykColor(1.0, 0.0, 1.0, 0.4980392),
     document.Colors.GetCmykColor (0.248780474, 0.0, 0.756097555, 0.19607842))
158  PieseriesElement3.Color = document.Colors.GetAutoGradient(90,document.Colors.GetCmykColor(1.0, 1.0, 0.0, 0.0),
     document.Colors.GetCmykColor (0.24782607, 0.06086956, 0.0, 0.09803921))
159
160  Chart.GetLegend(0).Visible = False
161 End Sub
162
163 Sub AddBarChart(MyPage,x,y,document)
164  Call AddCaptionAndRectangle (document,MyPage,"Bar Chart" ,x,y,225,225)
165  ' Create a chart
166  Dim Chart
```

```
 Set Chart = MyPage.AddChart(x+10, y+25, 200, 200,DPDF_Font_Helvetica, 10)
 ' Create header titles and add it to the chart
 Dim MyTitle1
 Set MyTitle1 =Chart.AddHeaderTitle ("Website Visitors")
 ' Create a indexed bar series
 Dim MyBarSeries1
 Set MyBarSeries1 = Chart.PrimaryPlotArea.AddIndexedBarSeries("Website A")
 MyBarSeries1.AddValue 5
 MyBarSeries1.AddValue 7
 MyBarSeries1.AddValue 9
 MyBarSeries1.AddValue 6
 Dim MyBarSeries2
 Set MyBarSeries2 = Chart.PrimaryPlotArea.AddIndexedBarSeries("Website B")
 MyBarSeries2.AddValue 4
 MyBarSeries2.AddValue 2
 MyBarSeries2.AddValue 5
 MyBarSeries2.AddValue 8
 Dim MyBarSeries3
 Set MyBarSeries3 = Chart.PrimaryPlotArea.AddIndexedBarSeries("Website C")
 MyBarSeries3.AddValue 2
 MyBarSeries3.AddValue 4
 MyBarSeries3.AddValue 6
 MyBarSeries3.AddValue 9
 MyBarSeries1.Color = document.Colors.GetAutoGradient(180,document.Colors.GetCmykColor(0.0, 1.0, 1.0, 0.0),
document.Colors.GetCmykColor(0.0,  0.5512195, 0.5512195, 0.19607842))
 MyBarSeries2.Color = document.Colors.GetAutoGradient(180,document.Colors.GetCmykColor(1.0, 0.0, 1.0, 0.4980392),
document.Colors.GetCmykColor (0.248780474, 0.0, 0.756097555, 0.19607842))
 MyBarSeries3.Color = document.Colors.GetAutoGradient(180,document.Colors.GetCmykColor(1.0, 1.0, 0.0, 0.0),
document.Colors.GetCmykColor(0.24782607,  0.06086956, 0.0, 0.09803921))
 'Create a title to the xaxis
 Dim MyTitle3
 Set MyTitle3 = MyBarSeries1.xAxis.AddTitle ("Visitors (in millions)")
 'Adding AxisLabels to the yaxis
 MyBarSeries1.yAxis.AddLabel "Q1", 0
 MyBarSeries1.yAxis.AddLabel "Q2", 1
 MyBarSeries1.yAxis.AddLabel "Q3", 2
 MyBarSeries1.yAxis.AddLabel "Q4", 3
 Chart.GetLegend(0).Visible = False
End Sub

Sub AddColumnChart(MyPage,x,y,document)
 Call AddCaptionAndRectangle (document,MyPage,"100% Stacked Column Chart" ,x,y,225,225)
 ' Create a chart
```

```
 Dim Chart
 Set Chart = MyPage.AddChart(x+10, y+25, 200, 200,DPDF_Font_Helvetica, 10)
 ' Create header titles and add it to the chart
 Dim MyTitle1
 Set MyTitle1 =Chart.AddHeaderTitle ("Website Visitors")
 ' Create a indexed 100 percent stacked column series
 Dim MyStackedColumnSeries1
 Set MyStackedColumnSeries1 = Chart.PrimaryPlotArea.AddIndexed100PercentStackedColumnSeries()
 ' Create a indexed 100 percent stacked column series element and add values to it
 Dim MySeriesElement1
 Set MySeriesElement1 = MyStackedColumnSeries1.AddElement("Website A")
 MySeriesElement1.AddValue 5
 MySeriesElement1.AddValue 7
 MySeriesElement1.AddValue 9
 MySeriesElement1.AddValue 6
 Dim MySeriesElement2
 Set MySeriesElement2 = MyStackedColumnSeries1.AddElement("Website B")
 MySeriesElement2.AddValue 4
 MySeriesElement2.AddValue 2
 MySeriesElement2.AddValue 5
 MySeriesElement2.AddValue 8
 Dim MySeriesElement3
 Set MySeriesElement3 = MyStackedColumnSeries1.AddElement("Website C")
 MySeriesElement3.AddValue 2
 MySeriesElement3.AddValue 4
 MySeriesElement3.AddValue 6
 MySeriesElement3.AddValue 9
 MySeriesElement1.Color = document.Colors.GetAutoGradient(180,document.Colors.GetCmykColor(0.0, 1.0, 1.0, 0.0),
document.Colors.GetCmykColor(0.0,0.5512195, 0.5512195, 0.19607842))
 MySeriesElement2.Color = document.Colors.GetAutoGradient(180,document.Colors.GetCmykColor(1.0, 0.0, 1.0, 0.4980392),
document.Colors.GetCmykColor(0.248780474, 0.0, 0.756097555, 0.19607842))
 MySeriesElement3.Color = document.Colors.GetAutoGradient(180,document.Colors.GetCmykColor(1.0, 1.0, 0.0, 0.0),
document.Colors.GetCmykColor(0.24782607, 0.06086956, 0.0, 0.09803921))
 ' Adding AxisLabels to the XAxis
 MyStackedColumnSeries1.xAxis.AddLabel "Q1", 0
 MyStackedColumnSeries1.xAxis.AddLabel "Q2", 1
 MyStackedColumnSeries1.xAxis.AddLabel "Q3", 2
 MyStackedColumnSeries1.xAxis.AddLabel "Q4", 3
 Chart.GetLegend(0).Visible = False
End Sub

Sub XYScatterChart(MyPage,x,y,document)
 Call AddCaptionAndRectangle (document,MyPage,"XYScatter Chart" ,x,y,225,225)
```

```
 ' Create a chart
 Dim Chart
 Set Chart = MyPage.AddChart(x+10, y+25, 200, 200,DPDF_Font_Helvetica, 10)
 'Create header titles and add it to the chart
 Dim MyTitle1
 Set MyTitle1 =Chart.AddHeaderTitle ("Player Height and Weight")
 ' Create xyScatter series and add values to it.
 Dim MyXyScatterSeries1
 Set MyXyScatterSeries1 = Chart.PrimaryPlotArea.AddXYScatterSeries("Team A")
 MyXyScatterSeries1.AddValue 112, 55
 MyXyScatterSeries1.AddValue 125, 60
 MyXyScatterSeries1.AddValue 138, 68
 MyXyScatterSeries1.AddValue 150, 73
 MyXyScatterSeries1.AddValue 172, 80
 ' Create xyScatter series and add values to it.
 Dim MyXyScatterSeries2
 Set MyXyScatterSeries2 = Chart.PrimaryPlotArea.AddXYScatterSeries("Team B")
 MyXyScatterSeries2.AddValue 110, 54
 MyXyScatterSeries2.AddValue 128, 62
 MyXyScatterSeries2.AddValue 140, 70
 MyXyScatterSeries2.AddValue 155, 75
 MyXyScatterSeries2.AddValue 170, 80
 ' Add a title to the yaxis
 Dim MyTitle2
 Set MyTitle2 = MyXyScatterSeries1.YAxis.AddTitle ("Height (Inches)")
 Dim MyTitle3
 Set MyTitle3 = MyXyScatterSeries1.XAxis.AddTitle ("Weight (Pounds)")
 ' Set XAxis & YAxis Min values
 MyXyScatterSeries1.XAxis.Min = 50
 MyXyScatterSeries1.YAxis.Min = 100

 Chart.GetLegend(0).Visible = False
End Sub

Sub MultiTypeSeriesChart(MyPage1,x,y,document)
 Call AddCaptionAndRectangle (document,MyPage1,"Plot Area With Different Kinds of Series And Multiple Axis" ,x,y,650,410)
 ' Create a chart
 Dim Chart
 Set Chart = MyPage1.AddChart(x+25, y+37, 600, 350)
 Chart.BackgroundColor = document.Colors.GetAutoGradient(90,document.Colors.GetCmykColor(0.0,0.0,0.12156862,0.0),
document.Colors.GetCmykColor (0.459999979,0.175999984,0.0,0.019607842))

 ' Create header titles and add it to the chart
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```
Dim MyTitle1
Set MyTitle1 =Chart.AddHeaderTitle ("Company Sales and Website Visitors")
MyTitle1.Align = DPDF_Align_Left

' Create a indexed line series
Dim MyLineSeries1
Set MyLineSeries1 = Chart.PrimaryPlotArea.AddIndexedLineSeries("Website A Visitors")
MyLineSeries1.AddValue 1.5
MyLineSeries1.AddValue 8
MyLineSeries1.AddValue 7.5
MyLineSeries1.AddValue 5.5
MyLineSeries1.Color = document.Colors.DarkBlue
Dim MyLineSeries2
Set MyLineSeries2 = Chart.PrimaryPlotArea.AddIndexedLineSeries("Website B Visitors")
MyLineSeries2.Color = document.Colors.LimeGreen
MyLineSeries2.AddValue 4
MyLineSeries2.AddValue 3
MyLineSeries2.AddValue 7
MyLineSeries2.AddValue 7.5
MyLineSeries1.SetMarker DPDF_Marker.DPDF_Marker_Triangle,7
MyLineSeries2.SetMarker DPDF_Marker.DPDF_Marker_Circle,7

Dim NumericYAxis
Set NumericYAxis = Chart.PrimaryPlotArea.AddNumericYAxis()
NumericYAxis.AnchorType = DPDF_YAxisAnchorType_Right
NumericYAxis.AddTitle ("Sales (in $ millions)")
NumericYAxis.Interval =1

' Create a indexed column series
Dim MyColumnSeries1
Set MyColumnSeries1 = Chart.PrimaryPlotArea.AddIndexedColumnSeries("Company A Sales",,NumericYAxis)
MyColumnSeries1.AddValue 2
MyColumnSeries1.AddValue 10
MyColumnSeries1.AddValue 14
MyColumnSeries1.AddValue 17
MyColumnSeries1.Color = document.Colors.Blue
Dim MyColumnSeries2
Set MyColumnSeries2 = Chart.PrimaryPlotArea.AddIndexedColumnSeries("Company B Sales",,NumericYAxis)
MyColumnSeries2.Color = document.Colors.Lime
MyColumnSeries2.AddValue 7
MyColumnSeries2.AddValue 4
MyColumnSeries2.AddValue 10
MyColumnSeries2.AddValue 15
```

```
 Dim MyDataLabel
 Set MyDataLabel = MyColumnSeries1.GetBarColumnValuePositionDataLabel(True,False,True)
 MyColumnSeries1.DataLabel = MyDataLabel
 MyDataLabel.FontSize = 7
 MyColumnSeries1.DataLabel.Prefix ="("
 MyColumnSeries1.DataLabel.Suffix =")"
 MyColumnSeries2.DataLabel = MyDataLabel

 NumericYAxis.SetMajorGridLines()
 NumericYAxis.SetMinorGridLines , ,DPDF_LineStyle_Dots
 NumericYAxis.SetMinorTickMarks()
 NumericYAxis.SetMajorTickMarks()

 MyColumnSeries1.XAxis.SetMajorGridLines()

 'Create a title to the yaxis
 Dim MyTitle3
 Set MyTitle3 = MyLineSeries1.YAxis.AddTitle ("Visitors (in millions)")

 'Adding AxisLabels to the XAxis
 MyColumnSeries1.XAxis.AddLabel "Q1", 0
 MyColumnSeries1.XAxis.AddLabel "Q2", 1
 MyColumnSeries1.XAxis.AddLabel "Q3", 2
 MyColumnSeries1.XAxis.AddLabel "Q4", 3

 Chart.GetLegend(0).BorderStyle = DPDF_LineStyle_Dots
 Chart.GetLegend(0).BorderColor = document.Colors.Black
 Chart.GetLegend(0).BackgroundColor = document.Colors.GetCmykColor(0.08,0.08,0.0,0.019607842)
End Sub


Sub AddCaptionAndRectangle(document,MyPage, Caption, x, y, width, height )
 ' Adds a rectangle and caption to the MyPageElements
  If width = 0 and height = 0 Then
 width = 225
 height = 85
  End if
 Dim MyRectangle,MyCaption
 Set MyRectangle = MyPage.AddRectangle( x, y + 15, width, height - 15 )
 MyRectangle.FillColor = document.Colors.White
 Set MyCaption = MyPage.AddLabel( Caption, x, y,300, 10 )
 MyCaption.Font = DPDF_Font_HelveticaBold
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 MyCaption.FontSize = 10
End Sub

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