Dot Net Charting (Integration with ASP.NET)

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Abstract-
This paper talks about
• Why Dot Net Charting?
• Features of Dot Net Charting?
• How to use?

Index Terms- Why Dot Net Charting, Features, How to use;

I. INTRODUCTION

Dear Readers,
First of all, I would say this paper is just for ASP.net developers.
Many-a-times we need to generate charts in our ASP.Net project which becomes a cumbersome task for dot net developers. But dot net charting has made it so easy. It makes our source for the easiest to use and makes most visually stunning charts available. With a few simple lines of codes Dot Net Charting can generate stylish charts from our own custom databases. Now in this paper I have consolidated most of the charts and how to use them. I have also included code for each chart as well.

Features of Dot Net Charting:

• .Net Framework 2.0, 3.0, 3.5 and 4.0+ supports – Dot Net charting support all versions of dot net framework.
• 2D and 3D rendering of charts – In Dot Net charting, we can customize our charts as per requirement 2-dimensional or 3-dimensional.
• Printer Friendly text – The text generated in the charts are printer friendly and are clearly printed from printer.
• Color Synchronization – Dot Net charting has a very good color synchronization and support multicolor.
• Rich Tool Tip support – In Dot Net charting we can also customize tool tip to appear on the charts.
• Transparent color support – We can also apply transparency in colors in Dot Net charting.

How to Use:
Download DLL (licensed) from this link www.dotnetcharting.com/download.aspx and provide a reference of DLL in our project and register the assembly on the page and put the control on aspx page as shown below:
Chart Types available in Dot Net Charting:

<table>
<thead>
<tr>
<th>Chart Types</th>
<th>Description</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combo</td>
<td></td>
<td><img src="image1.png" alt="Chart" /></td>
</tr>
<tr>
<td>Combo Horizontal</td>
<td></td>
<td><img src="image2.png" alt="Chart" /></td>
</tr>
<tr>
<td>Radar</td>
<td></td>
<td><img src="image3.png" alt="Chart" /></td>
</tr>
<tr>
<td>Pie</td>
<td></td>
<td><img src="image4.png" alt="Chart" /></td>
</tr>
<tr>
<td>Scatter</td>
<td></td>
<td><img src="image5.png" alt="Chart" /></td>
</tr>
<tr>
<td>Bubble</td>
<td></td>
<td><img src="image6.png" alt="Chart" /></td>
</tr>
</tbody>
</table>
Code for generating above charts:

I. Combo Chart:

```csharp
chart.Title="Combo sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory = "directory name";
chart.Type=ChartType.Combo;
chart.Series.SqlStatement = "your query";
chart.Series.DataFields = "xaxis=DataField,yaxis=DataField";
chart.SeriesCollection.Add();
```

II. Combo Horizontal Chart:

```csharp
chart.Title="Combo Horizontal sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory = "directory name";
chart.Type=ChartType.ComboHorizontal;
chart.Series.SqlStatement = "your query";
chart.Series.DataFields = "xaxis=DataField,yaxis=DataField";
chart.SeriesCollection.Add();
```

III. Radar Chart:

```csharp
chart.Title="Radar sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory = "directory name";
chart.Type=ChartType.Radar;
chart.Series.SqlStatement = "your query";
chart.Series.DataFields = "xaxis=DataField,yaxis=DataField";
chart.SeriesCollection.Add();
```

IV. Pie Chart:
V. Scatter Chart:

```javascript
chart.Title="Scatter sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory="directory name ";
chart.Type=ChartType.Scatter;
chart.Series.SqlStatement = "your query";
chart.SeriesCollection.Add();
```

VI. Bubble Chart:

```javascript
chart.Title="Bubble sample"
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory="directory name ";
chart.Type = ChartType.Bubble;
chart.Series.SqlStatement = "your query";
chart.SeriesCollection.Add();
```

VII. Financial Chart:

```javascript
chart.Title="Financial sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory="directory name ";
chart.Type= ChartType.Financial;
chart.Series.SqlStatement = "your query";
chart.DefaultSeries.Type = SeriesTypeFinancial.CandleStick;
chart.SeriesCollection.Add();
```

VIII. Gauge Chart:
IX. Multiple Chart:

chart.Title="Multiple chart sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory="directory name ";
chart.Type= ChartType.Multiple;
chart.Series.SqlStatement = "your query";
chart.DefaultSeries.Type = SeriesTypeMultiple.FunnelPyramid;
chart.SeriesCollection.Add();

X. Funnel Chart:

chart.Title="Funnel sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory="directory name ";
chart.Type= ChartType.MultipleGrouped;
chart.Series.SqlStatement = "your query";
chart.DefaultSeries.Type = SeriesTypeMultiple.FunnelPyramid;
chart.SeriesCollection.Add();

XI. Cone Chart:

chart.Title="Cone sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory="directory name ";
chart.Type= ChartType.MultipleGrouped;
chart.Series.SqlStatement = "your query";
chart.DefaultSeries.Type = SeriesTypeMultiple.Cone;
chart.SeriesCollection.Add();

XII. Pyramid Chart:
XIII. Organizational Chart:

```c#
chart.Title = "Pyramid sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory = "directory name ";
chart.Type = ChartType.MultipleGrouped;
chart.Series.SqlStatement = "your query";
chart.DefaultSeries.Type = SeriesTypeMultiple.Pyramid;
chart.SeriesCollection.Add();
```

XIV. Surface Chart:

```c#
chart.Title = "Organization chart sample";
chart.DefaultSeries.ConnectionString = "your connection string";
chart.TempDirectory = "directory name ";
chart.Type = ChartType.Organizational;
chart.Series.SqlStatement = "your query";
chart.DefaultElement.Annotation = new Annotation("<block hAlign='right' fStyle='bold' fSize='11'>%Name<row><img:../images/Org%image.png>%position";
chart.SeriesCollection.Add();
```

IV. CONCLUSION

Dot Net Charting is very helpful for developers for generating charts. It reduces the developer’s effort and generates high quality charts fulfilling the requirements in less time. Thus a developer becomes more productive in chart generating.

Moreover, one more advantage of using Dot Net Charting is that it is always fully backward compatible. If we used the previous version of Dot Net Charting in our project & we want to have new look of chart that Dot Net charting provided in its new version, we won’t need to bother about it. We can easily maintain it with a simple web.config entry and enable a new look on the chart.

ACKNOWLEDGMENT

This work was supported by Syscom Corporation Ltd.
REFERENCES


AUTHORS

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