

Manipulating DropShadow Properties from Client Code

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Overview

The DropShadow control in the AJAX Control Toolkit extends a panel with a drop shadow. Properties of this extender can also be changed using client JavaScript code.

Steps

The code starts with a panel containing some lines of text:

```
<asp:Panel ID="panelShadow" runat="server" CssClass="panel"
  Width="300px">
  ASP.NET AJAX is a free framework for quickly creating a new
  generation of more efficient,
  more interactive and highly-personalized Web experiences that
  work across all the
  most popular browsers.<br />
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  work across all the
  most popular browsers.<br />
</asp:Panel>
```

The associated CSS class gives the panel a nice background color:

```
<style type="text/css">
  .panel {background-color: navy;}
</style>
```

The **DropShadowExtender** is added to extend the panel with a drop shadow effect, opacity set to 50%:

```
<ajaxToolkit:DropShadowExtender ID="dse1" runat="server"
  TargetControlID="panelShadow"
  Opacity="0.5" Rounded="true" />
```

Then, the ASP.NET AJAX **ScriptManager** control enables the Control Toolkit to work:

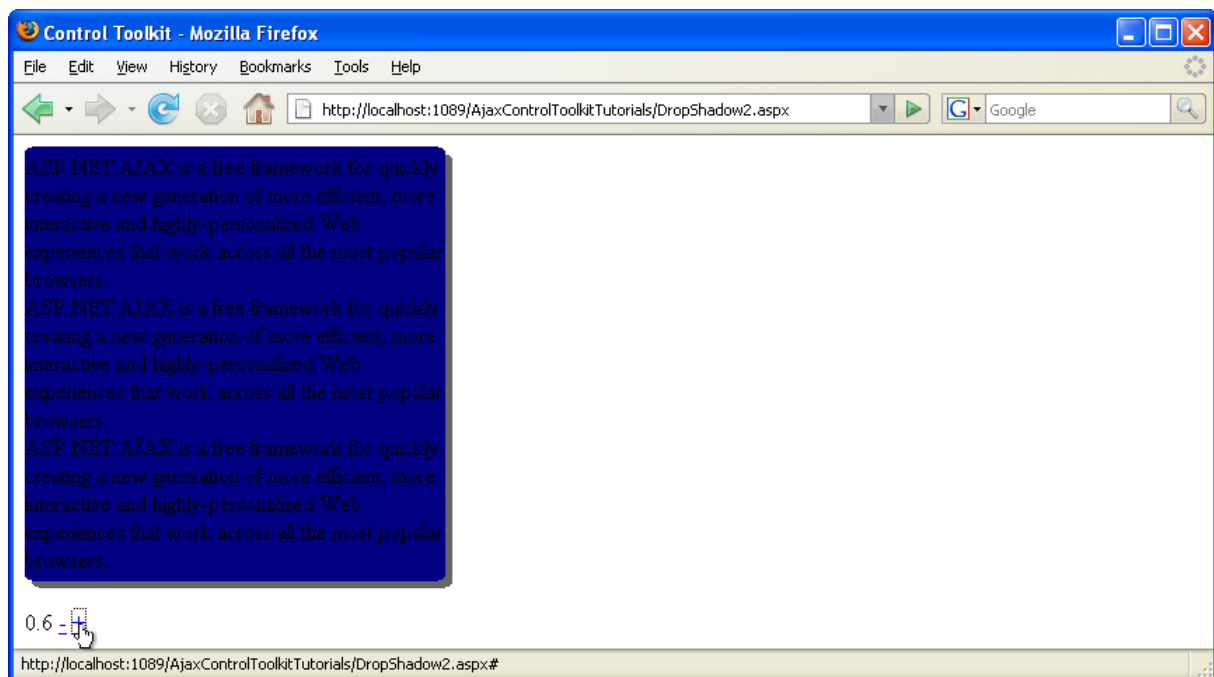
```
<asp:ScriptManager ID="asm" runat="server" />
```

Another panel contains two JavaScript links for setting the opacity of the drop shadow: the "minus" link decreases the shadow's opacity, the "plus" link increases it.

```
<asp:Panel ID="panelControl" runat="server">
  <br />
  <label id="txtOpacity" runat="server">0.5</label>
  <a href="#" onclick="changeOpacity(-0.1); return false;">-</a>
  <a href="#" onclick="changeOpacity(+0.1); return false;">+</a>
</asp:Panel>
```

The JavaScript function **changeOpacity()** must then first find the **DropShadowExtender** control on the page. ASP.NET AJAX defines the **\$find()** method for exactly that task. Then, the **get_Opacity()** method retrieves the current opacity, the **set_Opacity()** method sets it. The JavaScript code then puts the current opacity value in the **<label>** element:

```
<script type="text/javascript">
  function changeOpacity(delta)
  {
    var dse = $find("dse1");
    var o = dse.get_Opacity();
    o += delta;
    o = Math.round(10 * o) / 10;
    if (o <= 1.0 && o >= 0.0)
    {
      dse.set_Opacity(o);
      $get("txtOpacity").firstChild.nodeValue = o;
    }
  }
</script>
```



The opacity is changed on the client side