Disabling Actions during Animation

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Overview

The Animation control in the ASP.NET AJAX Control Toolkit is not just a control but a whole framework to add animations to a control. It also supports actions, like mouse clicks. However when a mouse click starts an animation, it is desirable to disable mouse clicks during the animation.

Steps

First of all, include the **ScriptManager** in the page; then, the ASP.NET AJAX library is loaded, making it possible to use the Control Toolkit:

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

The animation will be applied to an HTML button like this:

```
<input type="button" ID="Button1" runat="server" Value="Launch
Animation" />
```

Note that an HTML Control is used instead of a Web Control since we do not want the button to create a postback; it shall just launch the client-side animation for us.

Then, add the **AnimationExtender** to the page, providing an **ID**, the **TargetControlID** attribute and the obligatory **runat="server"**:

```
<ajaxToolkit:AnimationExtender ID="ae" runat="server"
TargetControlID="Button1">
```

Within the **<Animations>** node, **<OnClick>** is the right element to handle the mouse click. However, the button could be clicked during the animation, as well. The **<EnableAction>** element can take care of that. Setting **Enabled="false"** disables the button as part of the animation. Since we are using several individual animations (disabling the button and the actual animations), the **<Parallel>** element is required to glue the single animations together into one. Here is the complete markup for **AnimationExtender**:

```
<ajaxToolkit:AnimationExtender ID="ae" runat="server"
TargetControlID="Button1">
    <Animations>
        <OnClick>
            <Parallel>
                <EnableAction Enabled="false" />
                <FadeOut Duration="1.5" Fps="24" />
                <Resize Width="1000" Height="150" Unit="px" />
                </Parallel>
                </OnClick>
```

```
</Animations> </ajaxToolkit:AnimationExtender>
```

It would also be possible to re-enable to button after the animation, using the following XML element at the end of the list:

```
<EnableAction Enabled="true" />
```

However in the given scenario this would be useless since the button fades out and is not visible at the end of the animation.

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The button is disabled as soon as the animation runs