

Handling Postbacks from a ModalPopup

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Overview

The ModalPopup control in the AJAX Control Toolkit offers a simple way to create a modal popup using client-side means. Special care must be taken when a postback is created from within the popup.

Steps

In order to activate the functionality of ASP.NET AJAX and the Control Toolkit, the **ScriptManager** control must be put anywhere on the page (but within the **<form>** element):

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

Next, add a panel which serves as the modal popup. There, the user can enter a name and an email address. A button is used to close the popup and save the information. Note that the **OnClick** attribute is set so that a postback occurs when this button is clicked:

```
<asp:Panel ID="ModalPanel" runat="server" Width="500px">
    Name: <asp:TextBox ID="tbName" runat="server" /><br />
    Email: <asp:TextBox ID="tbEmail" runat="server" /><br />
    <asp:Button ID="OKButton" runat="server" Text="Save"
    OnClick="SaveData" />
</asp:Panel>
```

The page itself consists of two labels for exactly the same information: name and email address. A button is used to trigger the modal popup:

```
<div>
    Contact Information:
    <asp:Label ID="lblName" runat="server" Text="AJAX Fanatic" /><br />
    <asp:Label ID="lblEmail" runat="server" Text="ajax@fanatic"
    /><br />
    <asp:Button ID="btn1" runat="server" Text="Edit" />
</div>
```

In order to make the popup appear, add the **ModalPopupExtender** control. Set the **PopupControlID** attribute to the panel's ID and **TargetControlID** to the button's ID:

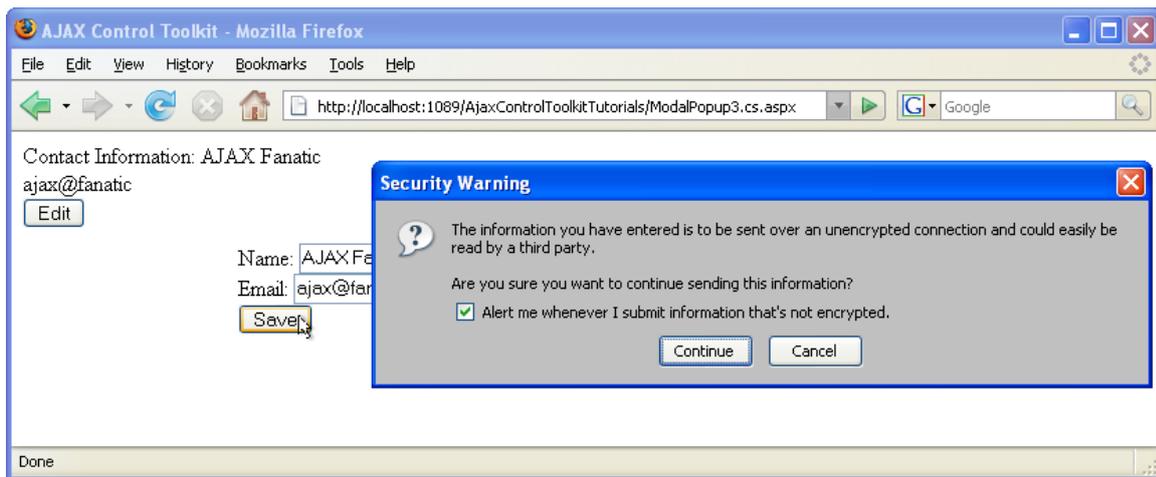
```
<ajaxToolkit:ModalPopupExtender ID="mpe" runat="server"
    TargetControlID="btn1" PopupControlID="ModalPanel" />
```

Now whenever the **Save** button within the modal popup is clicked, the server-side **SaveData()** method is executed. There, you could save the entered data in a data store. For the sake of simplicity, the new data is just output in the label:

```
protected void SaveData(object sender, EventArgs e)
{
    lblName.Text = HttpUtility.HtmlEncode(tbName.Text);
    lblEmail.Text = HttpUtility.HtmlEncode(tbEmail.Text);
}
```

Also, the textbox controls within the modal popup should be filled with the current name and email. However this is only necessary when no postback occurs. If there is a postback, the ASP.NET viewstate feature will automatically fill the textboxes with the appropriate values.

```
void Page_Load()
{
    if (!Page.IsPostBack)
    {
        tbName.Text = lblName.Text;
        tbEmail.Text = lblEmail.Text;
    }
}
```



The modal popup causes a postback