

Using Postbacks with ReorderList

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Overview

The **ReorderList** control in the AJAX Control Toolkit provides a list that can be reordered by the user via drag and drop. Whenever the list is reordered, a postback shall inform the server of the change.

Steps

There are several possible data sources for the **ReorderList** control. One is to use an **XmlDataSource** control:

```
<asp:XmlDataSource ID="XmlDataSource1" runat="server"
  XPath="acronym/letter">
  <Data>
    <acronym>
      <letter char="A" description="Asynchronous" />
      <letter char="J" description="JavaScript" />
      <letter char="A" description="And" />
      <letter char="X" description="XML" />
    </acronym>
  </Data>
</asp:XmlDataSource>
```

In order to bind this XML to a **ReorderList** control and enable postbacks, the following attributes must be set:

- **DataSourceID:** The ID of the data source
- **SortOrderField:** The property to sort by
- **AllowReorder:** Whether to allow the user to reorder the list elements
- **PostBackOnReorder:** Whether to create a postback whenever the list is rearranged

Here is the appropriate markup for the control:

```
<ajaxToolkit:ReorderList ID="rl1" runat="server"
  SortOrderField="char" AllowReorder="true"
  DataSourceID="XmlDataSource1" PostBackOnReorder="true">
```

Within the **ReorderList** control, specific data from the data source may be bound using the **Eval()** method:

```
<DragHandleTemplate>
  <div class="DragHandleClass">
  </div>
</DragHandleTemplate>
<ItemTemplate>
  <div>
```

```
<asp:Label ID="ItemLabel" Text='<%# Eval("description") %>'
runat="server" />
</div>
</ItemTemplate>
</ajaxToolkit:ReorderList>
```

At an arbitrary position on the page, a label will hold the information when the last reordering occurred:

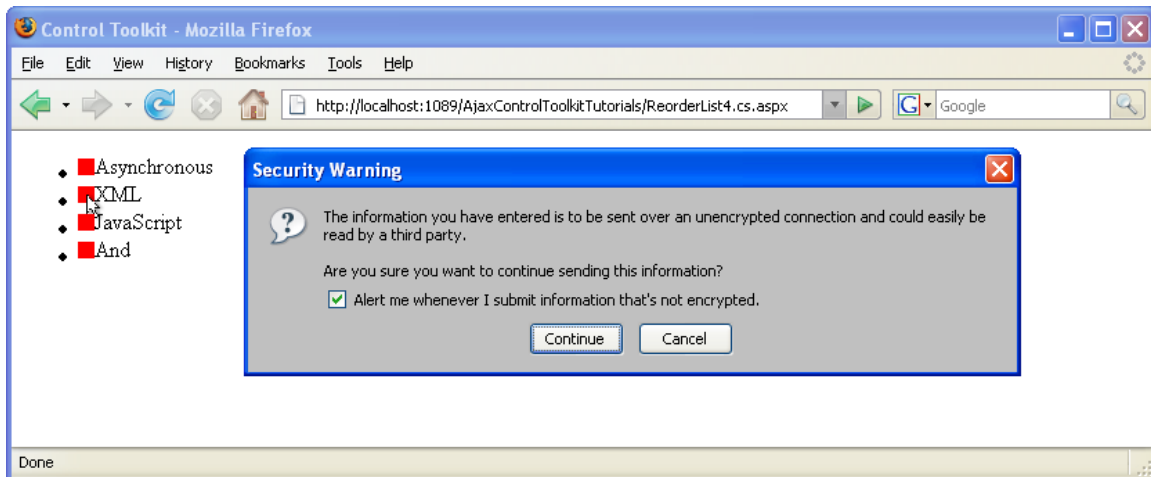
```
<div>
<asp:Label ID="lastUpdate" runat="server" />
</div>
```

This label is filled with text in the server-side code, handling the postback:

```
<script runat="server">
void Page_Load() {
    if (Page.IsPostBack) {
        lastUpdate.Text = "List last reordered at " +
        DateTime.Now.ToLongTimeString();
    }
}
</script>
```

Finally, in order to activate the functionality of ASP.NET AJAX and the Control Toolkit, the **ScriptManager** control must be put on the page:

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



Each reordering triggers a postback