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CodePlex will continue as an archive until next July (2021), at which point it will be shut down. Until then, you can browse published projects, documentation, issues, and discussions which were posted before the site went into archive mode three years ago.

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CodePlex Archive Open Source Project Archive

spconditionallookup

SharePoint 2010 Conditional Lookup Control

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I created a "Conditional Lookup" control for SharePoint 2010. With this you can connect two lookup fields controls on list forms to fill the second control with values depending on the selected value in the first control. There is a demo inside.

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Visit my blog: <http://ikarstein.wordpress.com>

The SharePoint control provided in this project let you connect two lookup fields so that the second lookup field contains only a subset of all values depending on the selected value of the first lookup field.

The control can handle both rendering methods of SharePoint for lookup fields: If there are more then 20 items in a lookup dropdown it will be rendered alternatively as input text box and not as input dropdown...

The project is... **It's alpha!!!**

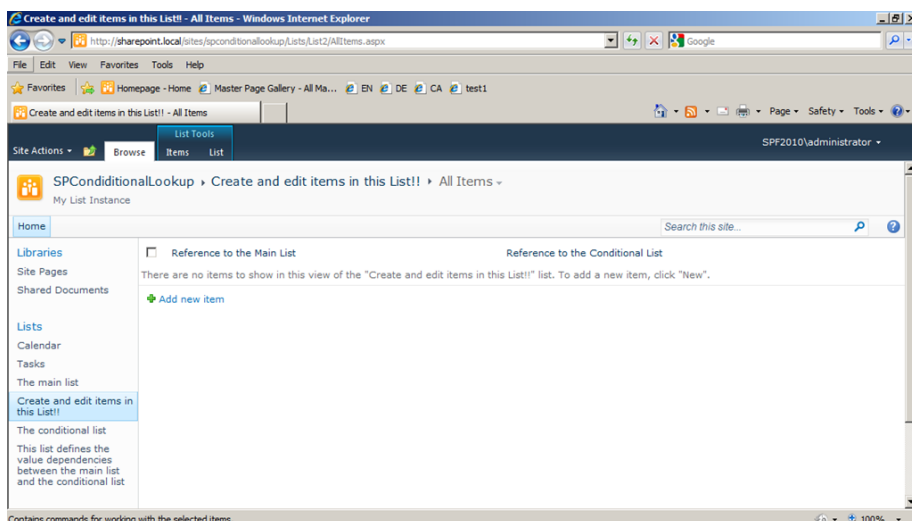
See the "new2.aspx" and "edit2.aspx" files of the "List2" in the "Test"-Project. There you find the usage of the control. You specify the "first" and "second" lookup field and you specify a SharePoint list that contains the dependencies between the values.

To use the project you need a local SharePoint with host header "sharepoint.local". There you need a site collection "/sites/spconditionallookup", e.g. a Team Site.

If you have set up the project you can navigate to "http://sharepoint.local/sites/spconditionallookup/Lists/List2/AllItems.aspx" and add a new item. There you see the control working.

Some Screenshots...

This is the demo list where you start using the demo.



Add a new item. You see two input controls. Both are empty.

Create and edit items in this List!! - New Item

Edit

Save Cancel Paste Cut Copy Attach File

Commit Clipboard Actions

Save Cancel

Reference (lookup) to the main list (None)

Reference (lookup) to the conditional list (none)

Attachments

Save Cancel

Now you open the dropdown list of the first field:

Create and edit items in this List!! - New Item

Edit

Save Cancel Paste Cut Copy Attach File

Commit Clipboard Actions

Save Cancel


Reference (lookup) to the main list (None)

Reference (lookup) to the conditional list (None)

Attachments

Cancel

List1-Value1
List1-Value10
List1-Value11
List1-Value12
List1-Value13
List1-Value14
List1-Value15

There are values in  - Leave it on "(none)" for now.

Open the dropdown of the second field:

Create and edit items in this List!! - New Item

Edit

Save Cancel Paste Cut Copy Attach File

Commit Clipboard Actions

Save Cancel

Reference (lookup) to the main list (None)

Reference (lookup) to the conditional list (none)

Attachments

Save Cancel

(none)

Its empty 

Now select the value "List1-Value1" in the first dropdown.

Create and edit items in this List!! - New Item

Edit

Save Cancel Paste Copy Attach File

Commit Clipboard Actions

Save Cancel

Reference (lookup) to the main list List1-Value1

Reference (lookup) to the conditional list (none)

Attachments

Save Cancel

Now open the second dropdown. Now there are values in there 😊 :

Create and edit items in this List!! - New Item

Edit

Save Cancel Paste Copy Attach File

Commit Clipboard Actions

Save Cancel

Reference (lookup) to the main list List1-Value1

Reference (lookup) to the conditional list (none)

Attachments

(none)
List1-Value1-1
List1-Value1-2
List1-Value1-3
List1-Value1-4

Cancel

The second dropdown was filled with values depending on the selected value of the first dropdown.

Lets have a look behind the scene.

Open the List "This list defines the value dependencies between the main list and the conditional list":

This list defines the value dependencies between the main list and the conditional list - All 1 - Windows Internet Explorer

http://sharepoint.local/sites/spconditionallookup/Lists/RefList/AllItems.aspx

SPConditionalLookup > This list defines the value dependencies between the main list and the conditional list > All Items -

My List Instance

Search this site...

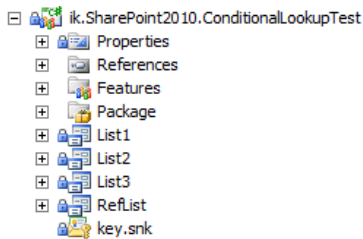
RefList Source	RefList Destination
List1-Value1	List1-Value1-1
List1-Value1	List1-Value1-2
List1-Value1	List1-Value1-3
List1-Value1	List1-Value1-4
List1-Value2	List1-Value2-1
List1-Value2	List1-Value2-2
List1-Value2	List1-Value2-3
List1-Value2	List1-Value2-4
List1-Value3	List1-Value3-1
List1-Value3	List1-Value3-2
List1-Value3	List1-Value3-3
List1-Value3	List1-Value3-4
List1-Value4	List1-Value4-1
List1-Value4	List1-Value4-2

This list defines the values for the second dropdown depending on the values of the first dropdown.

For value "List1-Value1" you'll find there 4 values:

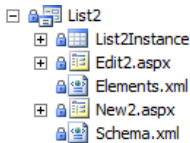
RefList Source	RefList Destination
List1-Value1	List1-Value1-1
List1-Value1	List1-Value1-2
List1-Value1	List1-Value1-3
List1-Value1	List1-Value1-4

Lets have a look into the project:



The Test project has 4 SharePoint List definitions... "List 1" is the "main list" and "List 3" is the "conditional list". "List 2" will contain the items you create. "Reflist" contains the dependencies between "List 1" and "List 3".

"List 2" contains to custom list forms:



"New2" is used to create new items, "Edit2" is used to edit items.

Lets have a look into "New2". There are only a few customizations for using the Conditional Lookup control.

```

<!-- ikarstein: This shows you how to use the conditional lookup control - BEGIN -->
<IK:ConditionalLookup ID="cd1" runat="server" SrcControl="ff1" DstControl="ff2"
Reflist="Lists/Reflist" RefSrcField="ReflistSrc" RefDstField="ReflistDst" />
<!-- ikarstein: END -->

```

This references to the input fields "ff1" and "ff2":

```

1:         <tr>
2:             <td>
3:                 <table border="0" cellpadding="0" width="100%">
4:                     <tr>
5:                         <td width="190px" valign="top" class="ms-formlabel">
6:                             <h3 class="ms-standardheader">
7:                                 <nobr> Reference (lookup) to the main list </nobr>
8:                             </h3>
9:                         </td>
10:                        <td width="400px" valign="top" class="ms-formbody">
11:                            <SharePoint:FormField runat="server" ID="ff1" ControlMode="New" FieldName="List">
12:                                <SharePoint:FieldDescription runat="server" ID="ff1description" FieldName="List"
13:                                    ControlMode="New" />
14:                            </td>
15:                        </tr>
16:                        <tr>
17:                            <td width="190px" valign="top" class="ms-formlabel">
18:                                <h3 class="ms-standardheader">
19:                                    <nobr> Reference (lookup) to the conditional list</nobr>
20:                                </h3>
21:                            </td>
22:                            <td width="400px" valign="top" class="ms-formbody">
23:                                <SharePoint:FormField runat="server" ID="ff2" ControlMode="New" FieldName="List">
24:                                    <SharePoint:FieldDescription runat="server" ID="ff2description" FieldName="List"
25:                                        ControlMode="New" />
26:                                </td>
27:                            </tr>
28:                            <tr id="idAttachmentsRow">
29:                                <td nowrap="true" valign="top" class="ms-formlabel" width="20%">
30:                                    <SharePoint:FieldLabel ControlMode="New" FieldName="Attachments" runat="server">
31:                                </td>
32:                                <td valign="top" class="ms-formbody" width="80%">
33:                                    <SharePoint:FormField runat="server" ID="AttachmentsField" ControlMode="New"
34:                                        </td>
35:                                </tr>
36:                            </table>
37:                        </td>
38:                    </tr>

```

