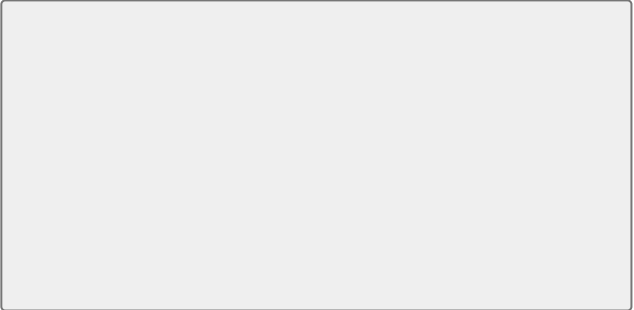


Tree View using Visualforce with no plugins

[Visualforce](#) • Apr 09, 2015



Use Case

To Show Records in **Hierarchy/Tree view** using Visualforce

Components Used

- 1. Visualforce Page
- 2. Apex Controller
- 3. jQuery
- 4. Bootstrap

Visualforce Page, Apex Controller works fine if you copy & Paste as given

Visualforce Logic

So Logic behind displaying hierarchy view was achieved simply using & elements

So if you want a view of **Account => Contacts =>Cases**,

```
<ul>
  <li> // first li
    <!-- place your content here for first node/level -->
    <ul>
      <li> // second li
        <!-- place your content here for Second node/level -->
        <ul>
          <li> // third li
            <!-- place your content here for Second node/level -->
            <!-- So on repeat <ul> & <li> to dig into more level-->
            </li> // end of third li
          </ul>
        </li> // end second li
      </ul>
    </li> // end first li
  </ul>
```

NOTE: you can use this with repeat/dataTable tags either, example explained below

Visualforce Page (Actual)

```
<apex:page controller="GetAccountContacts" showHeader="false" sidebar="false">
  <!-- Mobile View -->
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <!-- jQuery CDN Reference -->
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/2.1.3/jquery.min.js"></script>
  <!-- Bootstarp css & Combined Css -->
  <link href="//maxcdn.bootstrapcdn.com/bootstrap/3.3.4/css/bootstrap.min.css" rel="stylesheet" />
  <link href="//netdna.bootstrapcdn.com/twitter-bootstrap/2.3.1/css/bootstrap-combined.min.css" rel="stylesheet" />
  <style>
    .tree {
      min-height: 20px;
      padding: 19px;
      margin-bottom: 20px;
      background-color: #fbfbfb;
      border: 1px solid #999;
      -webkit-border-radius: 4px;
      -moz-border-radius: 4px;
```

```
border-radius: 4px;
-webkit-box-shadow: inset 0 1px 1px rgba(0, 0, 0, 0.05);
-moz-box-shadow: inset 0 1px 1px rgba(0, 0, 0, 0.05);
box-shadow: inset 0 1px 1px rgba(0, 0, 0, 0.05)
}

.tree li {
list-style-type: none;
margin: 0;
padding: 10px 5px 0 5px;
position: relative;
}

.tree li::before,
.tree li::after {
content: '';
left: -20px;
position: absolute;
right: auto;
}

.tree li::before {
border-left: 1px solid #999;
bottom: 50px;
height: 100%;
top: 0;
width: 1px;
}

.tree li::after {
border-top: 1px solid #999;
height: 20px;
top: 25px;
width: 25px;
}

.tree li span {
-moz-border-radius: 5px;
-webkit-border-radius: 5px;
border: 1px solid #999;
border-radius: 5px;
display: inline-block;
padding: 3px 8px;
text-decoration: none;
}

.tree li.parent_li>span {
cursor: pointer !important;
}

.tree>ul>li::before,
.tree>ul>li::after {
border: 0;
}

.tree li:last-child::before {
height: 30px;
}

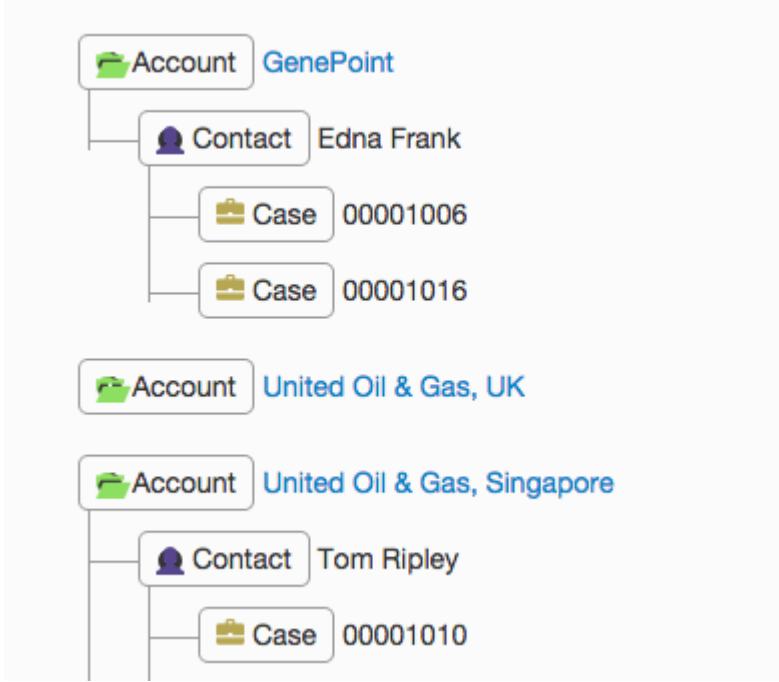
.tree li.parent_li>span:hover,
.tree li.parent_li>span:hover+ul li span {
background: #eee;
}
```

```
        border: 1px solid #94a0b4;
        color: #000;
    }
</style>
<div class="tree well">
    <apex:repeat value="{!AccConCases}" var="a">
        <ul>
            <li>
                <span><i class="icon-folder-open icon-plus-sign"></i>Account</span> <a href="{a.Id}" target="_blank">{!a.Name}</a>
                <ul>
                    <apex:repeat value="{!a.Contacts}" var="c">
                        <li>
                            <span><i class="glyphicon glyphicon-user"></i> Contact</span><a href="{!c.Id}" target="_blank"></a> {!c.Name}
                            <ul>
                                <apex:repeat value="{!a.Cases}" var="ca">
                                    <li>
                                        <span><i class="glyphicon glyphicon-briefcase"></i> Case</span><a href="{!ca.Id}" target="_blank"></a> {!ca.CaseNumber}
                                    </li>
                                </apex:repeat>
                            </ul>
                        </li>
                    </apex:repeat>
                </ul>
            </li>
        </ul>
    </apex:repeat>
</div>
<script>
$(function() {
    $('<div>tree li:has(ul)</div>').addClass('parent_li').find(' > span').attr('title', 'Collapse this branch');
    $('<div>tree li:has(ul)</div>').addClass('parent_li').find(' > ul > li').hide('slow');
    $('<div>tree li.parent_li > span</div>').on('click', function(e) {
        //alert('clicked');
        var children = $(this).parent('li.parent_li').find(' > ul > li');
        if (children.is(":visible")) {
            children.hide('fast');
            $(this).attr('title', 'Expand this branch').find(' > i').addClass('icon-plus-sign').removeClass('icon-minus-sign');
        } else {
            children.show('fast');
            $(this).attr('title', 'Collapse this branch').find(' > i').addClass('icon-minus-sign').removeClass('icon-plus-sign');
        }
        e.stopPropagation();
    });
});
</script>
</apex:page>
```

Controlller

```
public class GetAccountContacts {
    public List<Account> getAccConCases(){
        return [select id, Name, (select id, Name from Account.Contacts), (select id, ContactId, CaseNumber from Cases) from account LIMIT 10];
    }
}
```

Sample Output



[Youtube Demo Link](#)