



PDF SHARE FORMS

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Dropdown field in repeatable sections

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This guide shows how to use dropdown field populated with values from SharePoint list in repeatable sections and populate additional fields based on selected value.

SharePoint List

“Contractors” SharePoint list is used for the purpose of demonstration in this guide. This list is used in PDF template as a source for dropdown field.

Contractor	Supervisor	Forman	Journey	Carpenter	Electrician	Finisher	Iron	Laborer	Operator
James S ✱	Tom E	Alex C	Kate S	Eve L	Carl R	James Y	Alice R	Bob B	Sam W
Alan T ✱	Sam L	Bill O	Kate L	Dan M	Max F	Tom H	Bill D	Mike G	Karl K
David E ✱	Sam K	Tom W	Alice Y	Thomas J	Bob O	Dan V	Karen G	Mike G	Sam R

Figure 1. Used SharePoint list

Template file configuration

Fields and controls

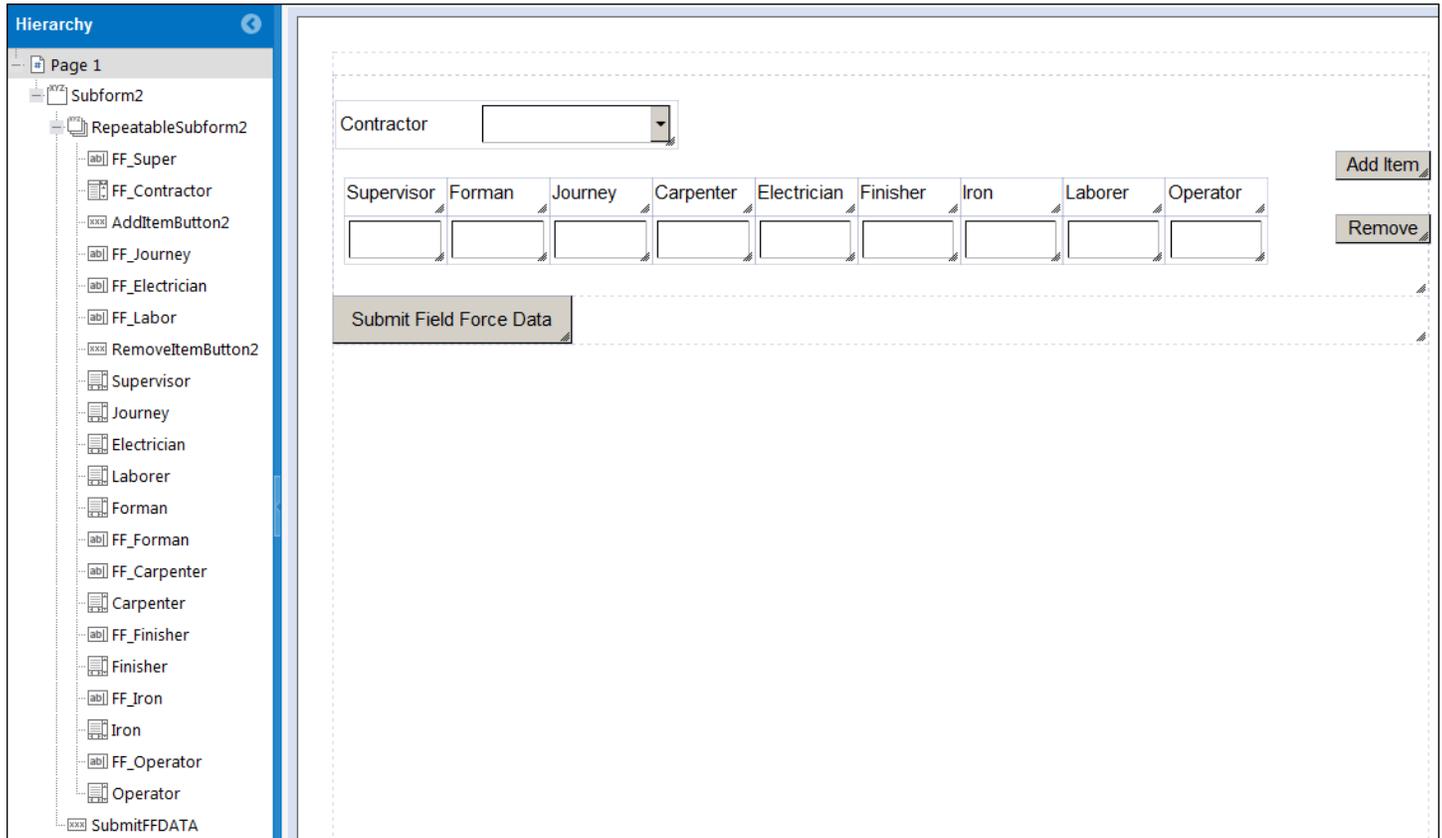


Figure 2. PDF Template with repeatable section and a dropdown field

Template contains “Contractor” dropdown field and multiple text fields. When a value in “Contractor” dropdown field is selected, it populates text fields with information from a SharePoint list. All fields are located inside repeatable section and each field has text field name above it in label.

Data source configuration

Source data is required to populate text fields and dropdown field with the values from SharePoint list. To create a data source, open Developer tab of Designer ribbon and select “Data Sources”:

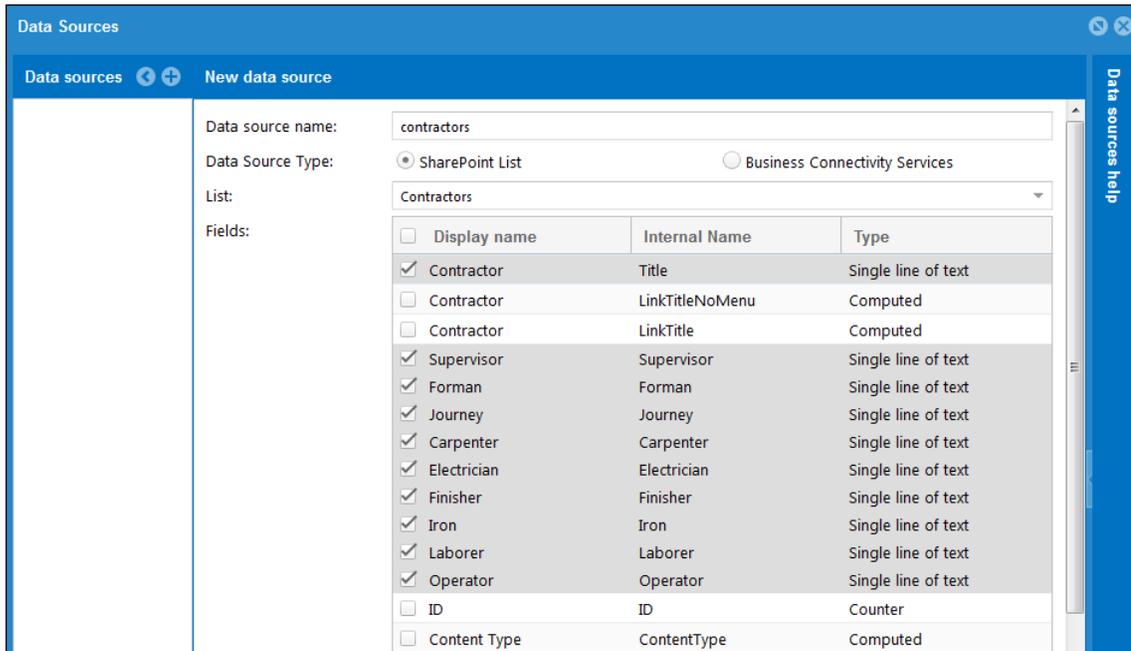


Figure 3. Data source “contractors” settings

SharePoint list “Contractors” and selected fields from Figure 3 are used to create “contractors” data source.

Dropdown field configuration

Step 1. Dropdown values

Dropdown field is populated with values from “Contractor” column of created data source.

Select dropdown field (FF_Contractor in this example) and go to “Item Values” of “Properties” ribbon:

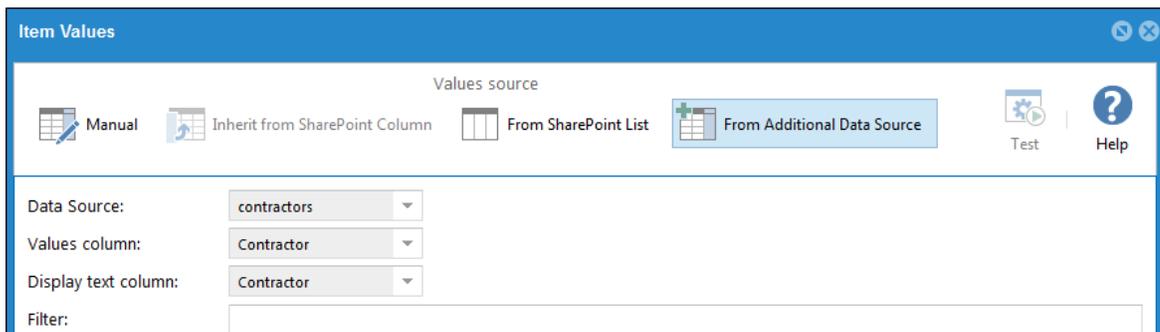


Figure 4. Dropdown values source settings

Select data source “contractors” that was created earlier. For Values column and Display test column select “Contractor”.

Step 2. Fields population

Custom script is required to add logic that populates text fields based on values from the dropdown field Select dropdown field (FF_Contractor in this example) and go to “Actions” of “Properties” ribbon and select “Field Exit” action:



Figure 5. Dropdown Field Exit event settings

Add “Execute script” action and insert following script:

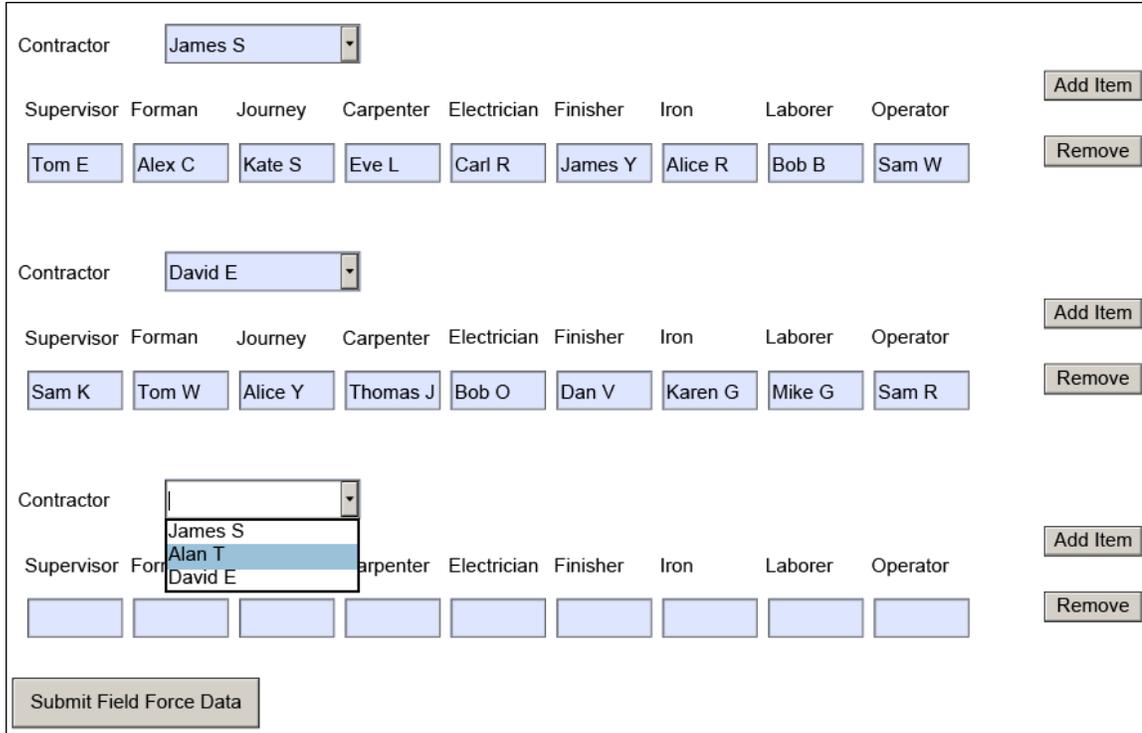
```
var controlParent = this.parent;
dataList = PdfForms.DataSources.contractors;
for (var i = 0; i < dataList.length; i++){
    if (this.rawValue == dataList[i]["Contractor"]){
        controlParent.resolveNode("FF_Super").rawValue = dataList[i]["Supervisor"];
        controlParent.resolveNode("FF_Journey").rawValue = dataList[i]["Journey"];
        controlParent.resolveNode("FF_Carpenter").rawValue = dataList[i]["Carpenter"];
        controlParent.resolveNode("FF_Electrician").rawValue = dataList[i]["Electrician"];
        controlParent.resolveNode("FF_Finisher").rawValue = dataList[i]["Finisher"];
        controlParent.resolveNode("FF_Iron").rawValue = dataList[i]["Iron"];
        controlParent.resolveNode("FF_Labor").rawValue = dataList[i]["Laborer"];
        controlParent.resolveNode("FF_Operator").rawValue = dataList[i]["Operator"];
        controlParent.resolveNode("FF_Forman").rawValue = dataList[i]["Forman"];
    }
}
```

This script saves current repeatable instance inside a variable. It is necessary to save current repeatable instance because each created repeatable section has fields with same names, but executed script should be applied to fields in specific repeatable instance – same where dropdown was triggered. Then the script goes through data source searching for the value selected in a dropdown field. Once the value is found, script populates all text fields inside current repeatable section with values from data source located in the same row as dropdown value.

Template Deployment

After all steps are finished, template can be deployed to the SharePoint library. Click on “Deploy” in “Home” tab of the Designer, then select SharePoint library in “Auto deploy” section.

Runtime results



The screenshot displays a web form with three vertically stacked, independent sections. Each section begins with a 'Contractor' dropdown menu. The first section has 'James S' selected. The second section has 'David E' selected. The third section has an empty dropdown menu, and a dropdown list is open showing 'James S', 'Alan T', and 'David E'. Below each contractor selection is a row of ten job role buttons: Supervisor, Forman, Journey, Carpenter, Electrician, Finisher, Iron, Laborer, and Operator. The first two sections have these buttons populated with names: the first with Tom E, Alex C, Kate S, Eve L, Carl R, James Y, Alice R, Bob B, and Sam W; the second with Sam K, Tom W, Alice Y, Thomas J, Bob O, Dan V, Karen G, Mike G, and Sam R. The third section's buttons are empty. To the right of each section are 'Add Item' and 'Remove' buttons. At the bottom left of the form is a 'Submit Field Force Data' button.

Figure 6. Deployed PDF form

As seen in Figure 6, each repeatable section is independent and text fields are populated from separate dropdown fields based on selected values.