



PDF SHARE FORMS

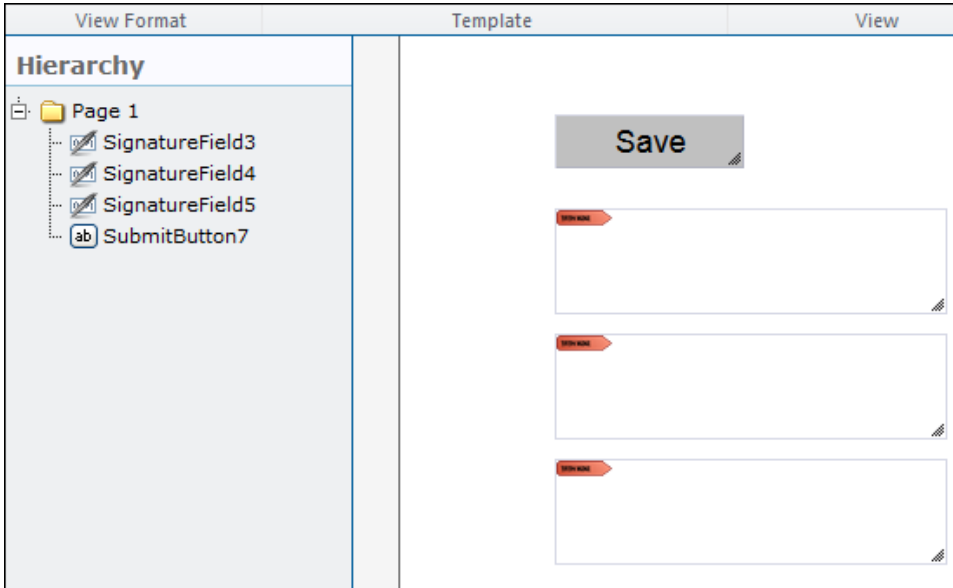
Online, Offline, OnDemand

PDF forms and SharePoint are better together

Preventing the form from being submitted
when ALL signature fields are empty

Static Acro form

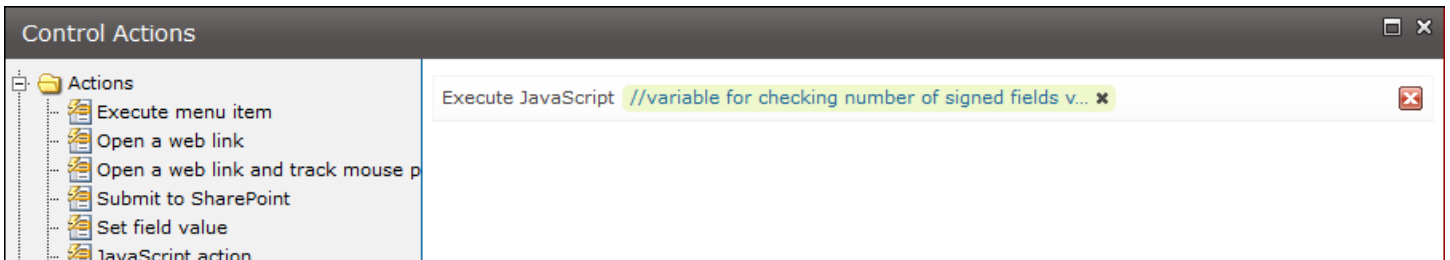
Step 1. Create a template with the following fields:



There are three signature Fields and one submit button.

The submit button „**SubmitButton7**” must be hidden (*PDF Form Tools* → *Properties* → *Presence* → *Hidden*)
 This will prevent a form from being submitted before signing any signature field.

Step 2. Add JavaScript to „**RegularButton7**” actions: *PDF Form Tools* → *Properties* → *Actions*.





Script:

```
//variable for checking number of signed fields
var signCount = 0;

//check signature field 3
var sign = this.getField("SignatureField3");
var sigval = sign.signatureValidate();
if (sigval != 0){
    signCount++;
}

//check signature field 4
sign = this.getField("SignatureField4");
sigval = sign.signatureValidate();
if (sigval != 0){
    signCount++;
}

//check signature field 5
sign = this.getField("SignatureField5");
sigval = sign.signatureValidate();
if (sigval != 0){
    signCount++;
}

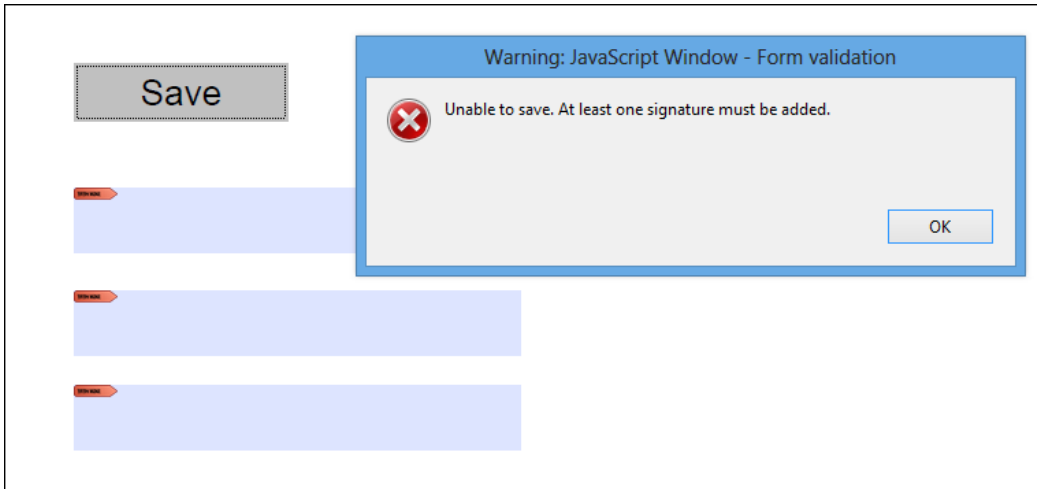
//check if at least one field is signed
if (signCount != 0) {
    //Save form
    eval("var sysData ="+this.getField("PDFSPSystemData").value);
    this.submitForm({cURL: (sysData.WebURL || "")+"/_layouts/PDFForms/PDF.aspx",
cSubmitAs: "PDF" });
} else {
    //Display message
    app.alert({ cMsg: "Unable to save. At least one signature must be added.",
cTitle: "Form validation" });
}
```

This code will check all three signature fields. If at least one field has a signature, form will be submitted. If there are no signatures, script will display a warning message.

Step 3. Deploy a form and run it.

Runtime result

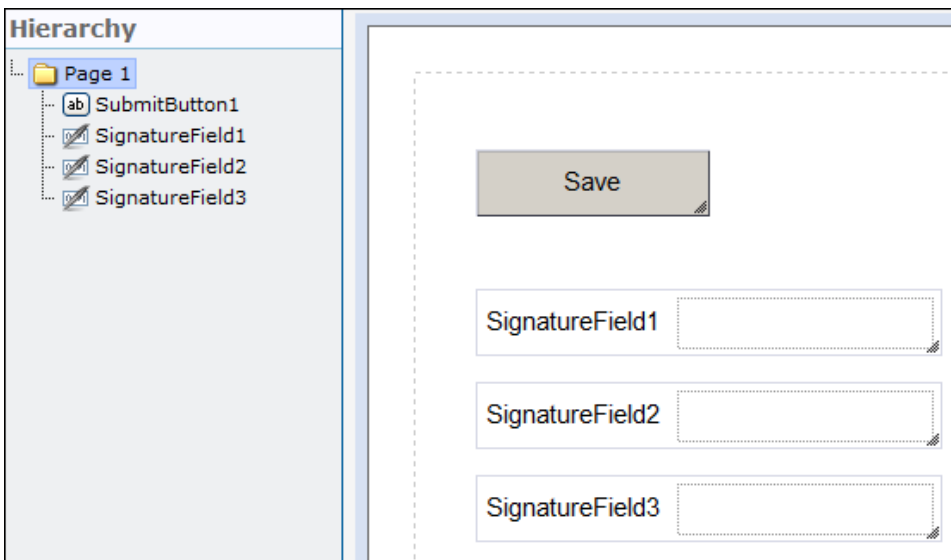
The following message will be displayed if the user click on **Save** button without signing at least one signature field:



A warning message will be displayed to let the user know that at least one signature field must be signed.

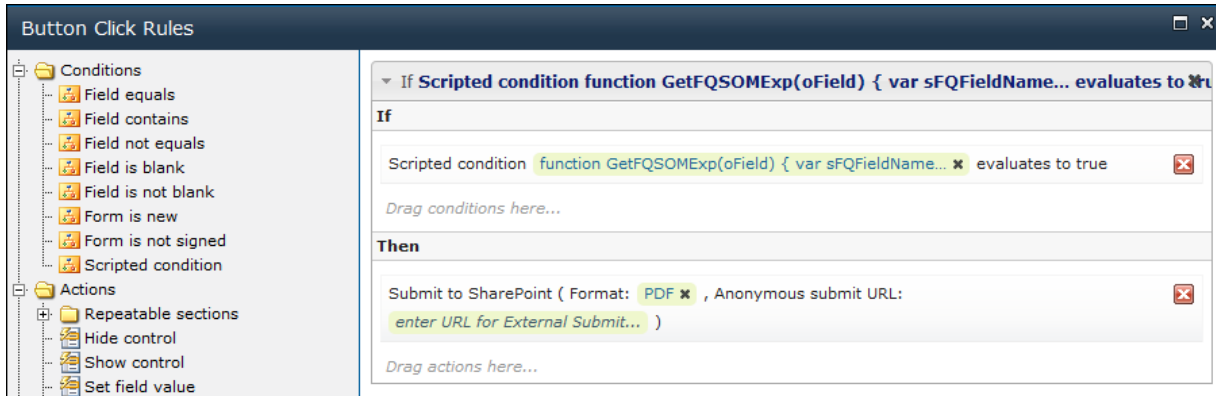
Dynamic XFA form

Step 1. Create a template with the following fields:



There are three signature fields and one submit button.

Step 2. Add a script to „SubmitButton1” rules’ conditions section:
PDF Form Tools → Properties → Actions → Button Click.



Change format of submit button from XDP to PDF.

Script:

```
//Returns the Fully-Qualified SOM Expression for the specified field
function GetFQSOMEExp(oField) {
    var sFQFieldName = GetVerboseFieldName(oField);
    var oParentNode = oField.parent;

    while (oParentNode != xfa.form) {
        sFQFieldName = GetVerboseFieldName(oParentNode) + "." + sFQFieldName;
        oParentNode = oParentNode.parent;
    }
    return sFQFieldName;
}

//Returns the fully-qualified name for the specified object
function GetVerboseFieldName(oNode) {
    var nPos = oNode.somExpression.lastIndexOf(".");
    if (oNode.name != null && oNode.name.length > 0) {
        while (nPos > 0) {
            if (oNode.somExpression.charAt(nPos - 1) == "\\") {
                nPos = oNode.somExpression.lastIndexOf(".", nPos - 1);
            }
            else {
                break;
            }
        }
    }
    if (nPos >= 0) {
        return oNode.somExpression.substr(nPos + 1);
    }
}
```

```
    }
    else {
        return oNode.somExpression;
    }
}

var count = 0;
//Check SignatureField1 status
var digSig =
event.target.getField(GetFQSOMExp(xfa.resolveNode('$form.Root.Default..SignatureField1')));
var status = digSig.signatureValidate();
if (status == "4") {
    count += 1;
}

//Check SignatureField2 status
var digSig =
event.target.getField(GetFQSOMExp(xfa.resolveNode('$form.Root.Default..SignatureField2')));
var status = digSig.signatureValidate();
if (status == "4") {
    count += 1;
}

//Check SignatureField3 status
var digSig =
event.target.getField(GetFQSOMExp(xfa.resolveNode('$form.Root.Default..SignatureField3')));
var status = digSig.signatureValidate();
if (status == "4") {
    count += 1;
}

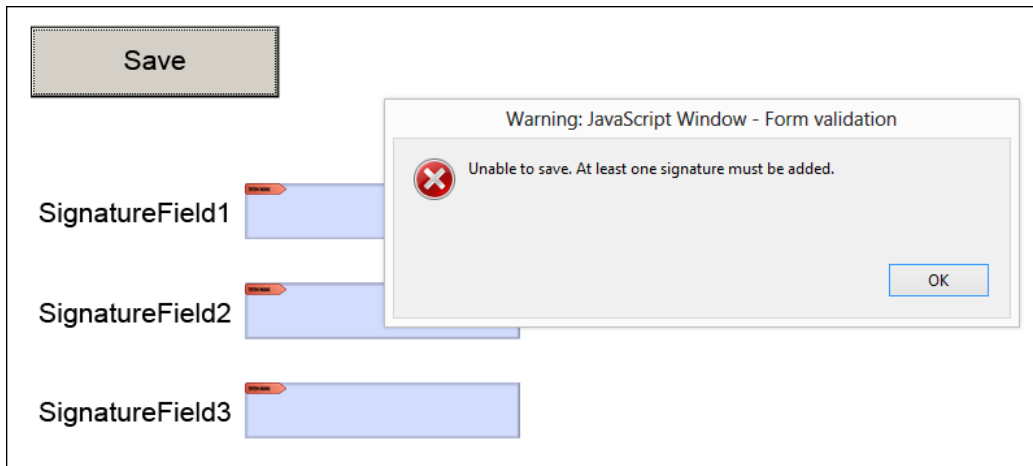
if (count > 0) {
    //If there is at least one signature
    return true;
}
else {
    //If there is no any signature
    xfa.host.messageBox("Unable to save. At least one signature must be added.",
"Form validation", 0);
}
```

This code will check if any signature field has been signed.

An error message will be displayed to let the user know that at least one signature field must be signed.

Step 5. Deploy a form and run it.

Runtime result



Since the user has not add any signature, clicking on „Save” button triggered an error message.