



PDF SHARE FORMS

Online, Offline, OnDemand

PDF forms and SharePoint are better together

Custom fields validation

Product: PDF Share Forms Enterprise for SharePoint 2013

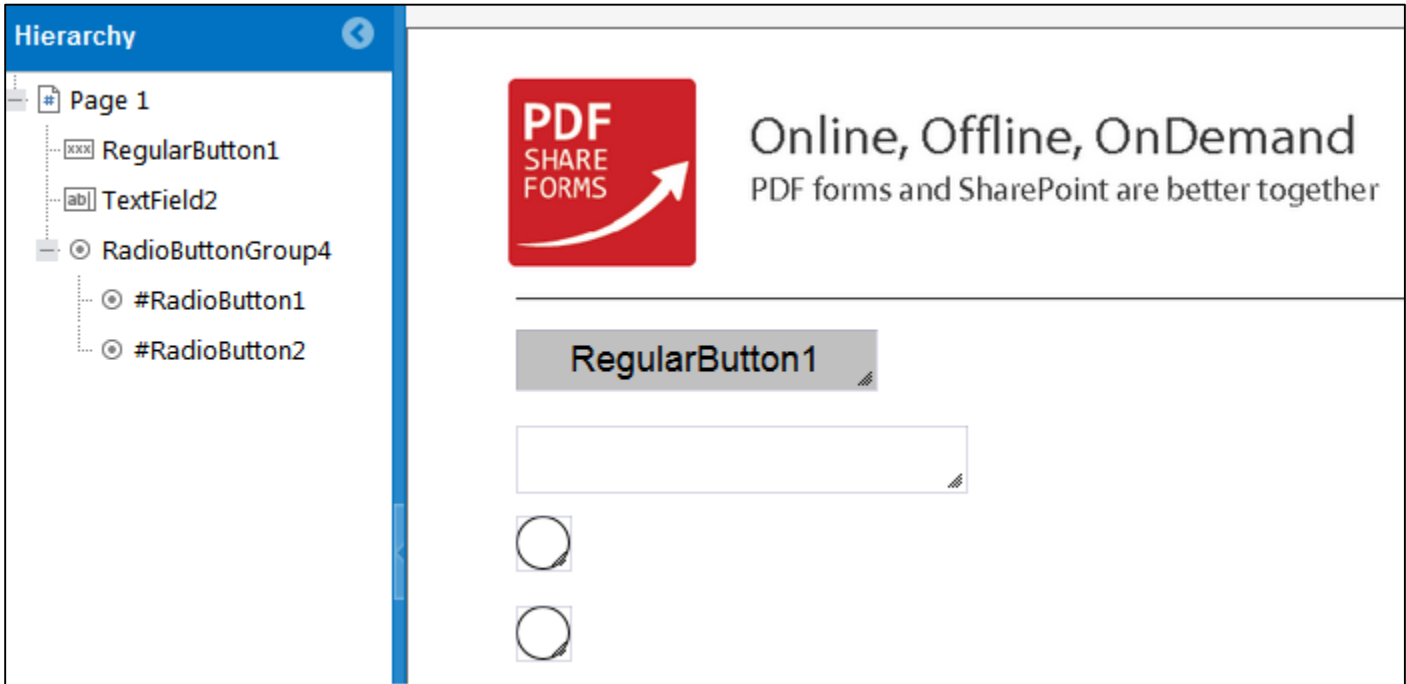
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This guide will show how to make custom validation for fields in Static (Acro) forms and Dynamic (XFA) forms in PDF Share Forms Enterprise for SharePoint 2013.

Static forms (Acroforms)

Step 1. Template

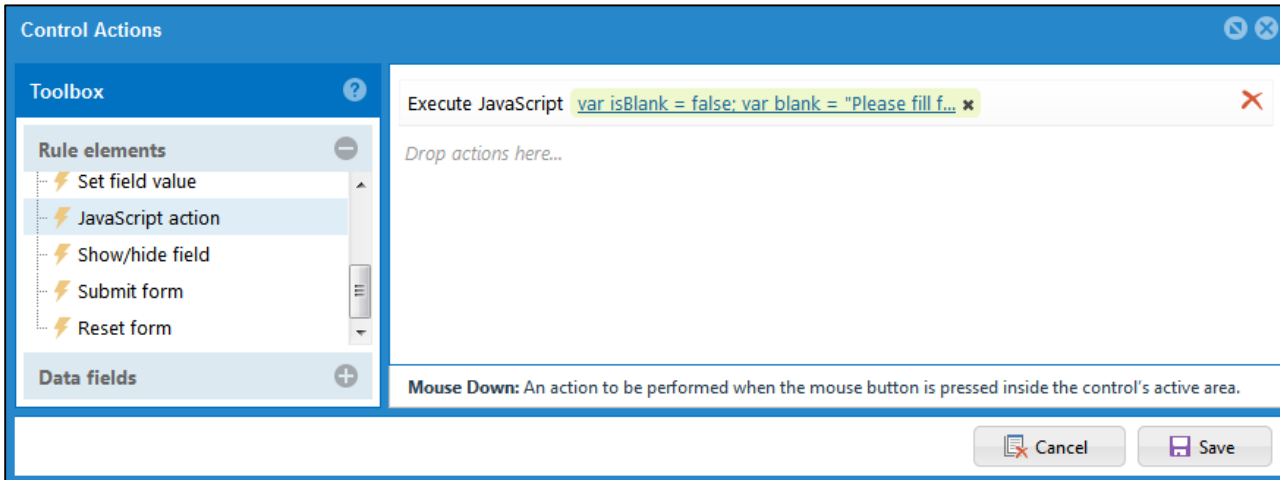


The screenshot displays a PDF form template editor. On the left, a 'Hierarchy' pane shows the structure of the form: 'Page 1' contains 'RegularButton1', 'TextField2', and 'RadioButtonGroup4'. 'RadioButtonGroup4' contains two radio buttons, '#RadioButton1' and '#RadioButton2'. The main preview area shows the form layout: a red 'PDF SHARE FORMS' logo, the text 'Online, Offline, OnDemand' and 'PDF forms and SharePoint are better together', a grey 'RegularButton1' button, a text input field, and two radio buttons.

This template has following controls:

- RegularButton1 – as custom submit button;
- TextField2 – example for custom “is not blank” and validation;
- RadioButtonGroup4 – as example for custom “is not blank”.

Step 2. Add script to **RegularButton1** (choose regular button → **Properties** → **Actions**)



Drag and drop **JavaScript action** and add there following **script**:

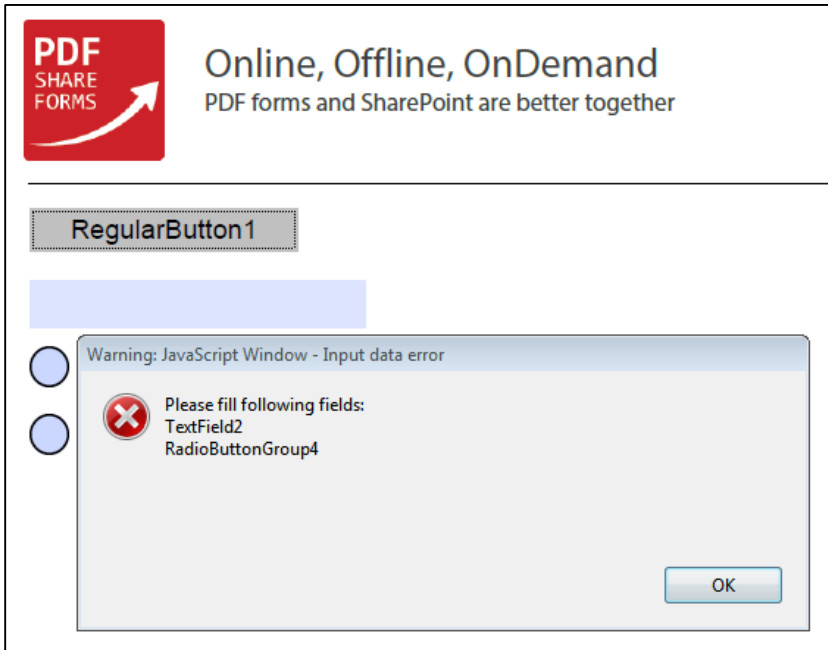
```
var isBlank = false;
var blank = "Please fill following fields:";
var isValid = false;
var notValid = "Please check input data in following fields:";
//cannot be blank
if (this.getField('TextField2').value == "") {
blank = blank + "\n" + this.getField('TextField2').name;
isBlank = true;}
if (this.getField('RadioButtonGroup4').value == "Off") {
blank = blank + "\n" + this.getField('RadioButtonGroup4').name;
isBlank = true; }
//validation text field must contain only lower case letters
if (/^[a-z]*$/i.test(this.getField('TextField2').value) == false) {
notValid = notValid + "\n" + this.getField('TextField2').name;
isValid = true; }
//generate message
var message = "";
if (isBlank == true) {
message = blank + "\n" + "\n"; }
if (isValid == true) {
message = message + notValid; }
//check all conditions
if ((isBlank == true) || (isValid == true)) {
//show message
app.alert({ cMsg: message, cTitle: "Input data error" }); }
else {
//save form
eval("var sysData = "+this.getField("PDFSPSystemData").value);
this.submitForm({cURL: (sysData.WebURL || "")+"/_layouts/15/PDFShareForms/PDF.aspx", cSubmitAs:
"FDF" }); }
```

This code will check if “TextField2” or “RadioButtonGroup4” are blank. Then it will check data inside “TextField2” using JavaScript Regular expressions – field must contain only lower case letters. Then it will create error message to display list of fields, which are blank or need to be changed, if validation is successful – save this PDF form to SharePoint library.

Step 3. Save template and deploy it to library

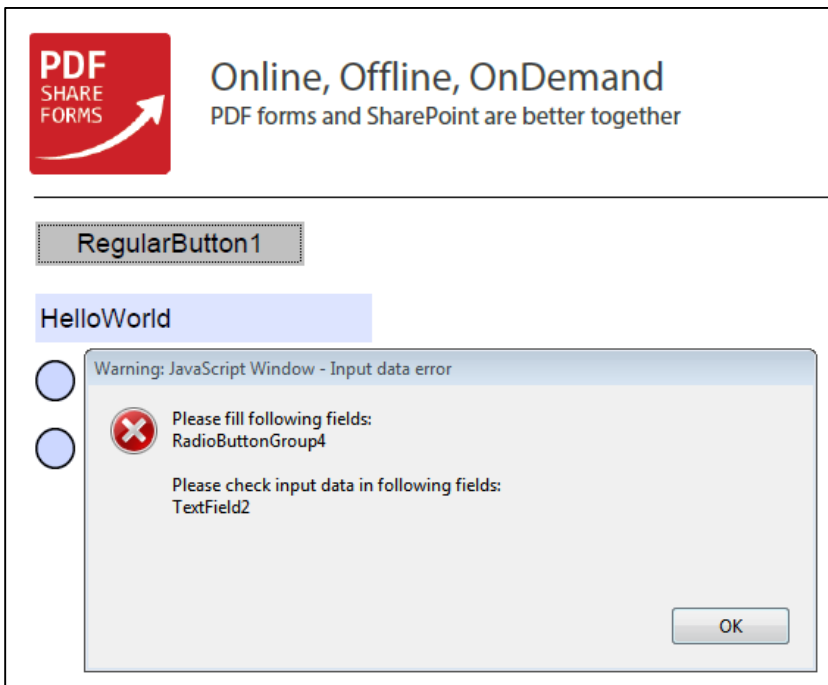
Step 4. Runtime

Step 4.1. Create new form and try to click on “RegularExpression1” when all fields are blank:



Error message appeared. Close it.

Step 4.2. Add to text field some wrong value with digits or upper case letters:





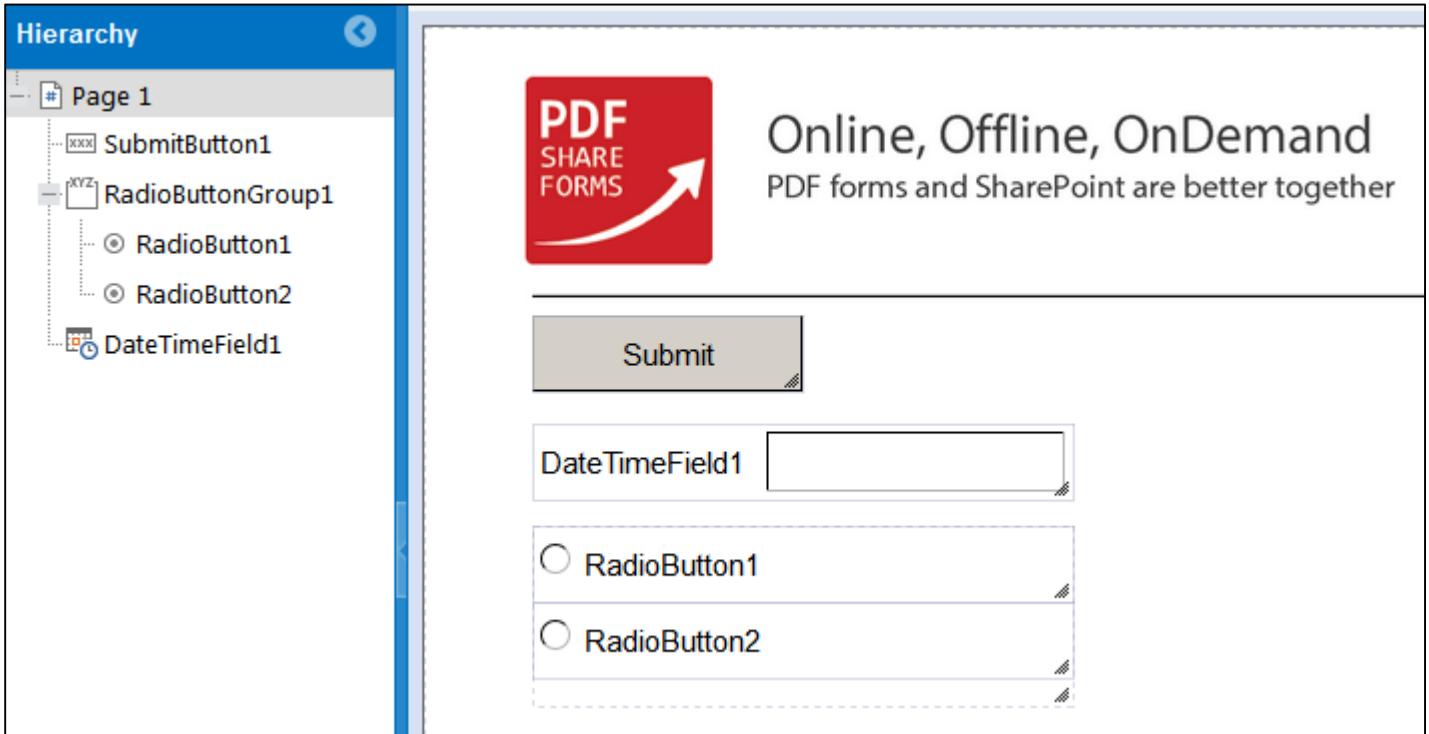
Step 4.3. Close window again and fill all fields with right data: check one of radio buttons and text field with string containing only lower case letters:

A screenshot of a web form. At the top left is the PDF Share Forms logo. To its right is the text 'Online, Offline, OnDemand' and 'PDF forms and SharePoint are better together'. Below this is a horizontal line. Underneath the line is a grey button labeled 'RegularButton1'. Below the button is a light blue text input field containing the text 'helloworld'. Below the text field are two radio buttons; the top one is selected (filled with black), and the bottom one is unselected (empty).

Now form can be submitted.

Dynamic form (XFA)

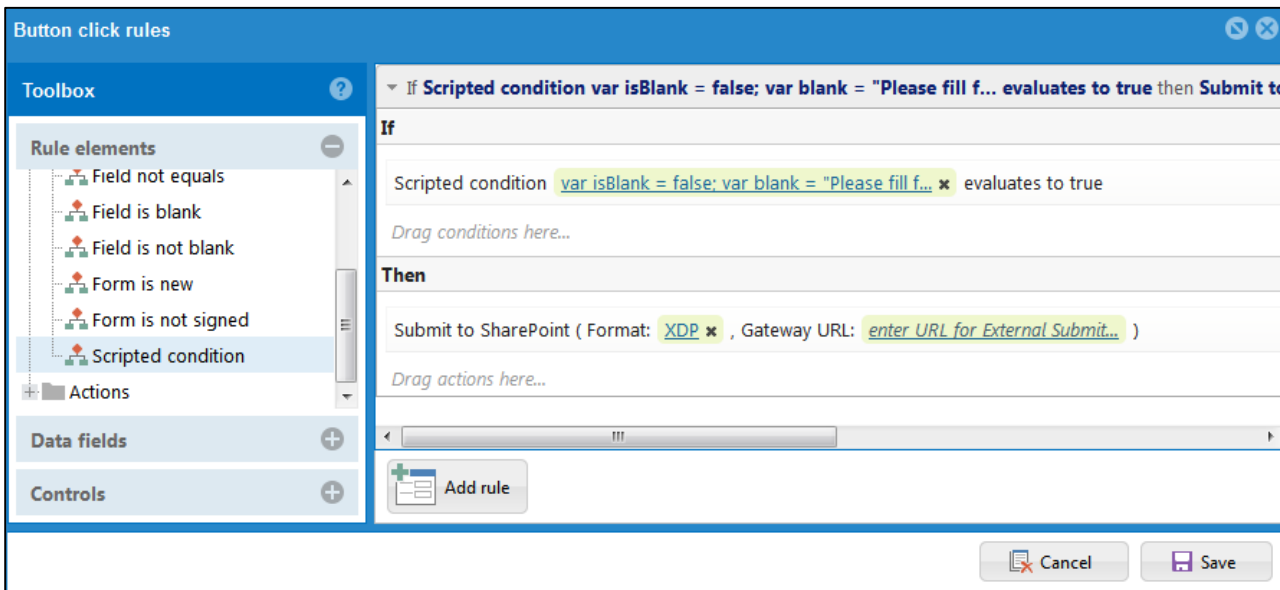
Step 1. Template



In this template the following controls are used:

- ✔ SubmitButton1 – submit button with additional scripted conditions;
- ✔ DateTimeField1 – as example for custom “is not blank” and validation;
- ✔ RadioButtonGroup1 – as example for custom “is not blank”.

Step 2. Add script to SubmitButton1 (choose button → **Properties** → **Actions** → **Button Click**)



Drag and drop **Scripted condition** and add following **script**:

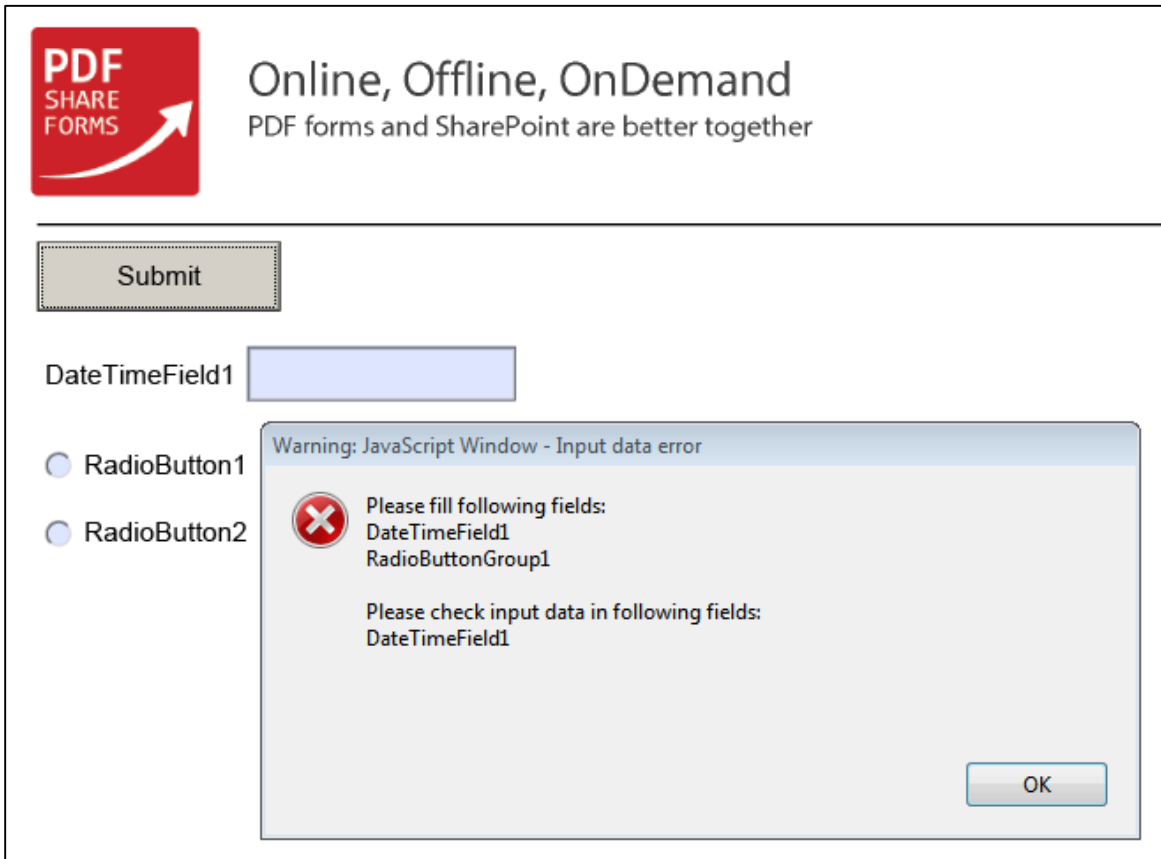
```
var isBlank = false;
var blank = "Please fill following fields:";
var isNotValid = false;
var notValid = "Please check input data in following fields:";
//cannot be blank
if (xfa.resolveNode("$data..DateTimeField1").value == null) {
blank = blank + "\n" + xfa.resolveNode("$data..DateTimeField1").name;
isBlank = true; }
if (xfa.resolveNode("$data..RadioButtonGroup1").value == null) {
blank = blank + "\n" + xfa.resolveNode("$data..RadioButtonGroup1").name;
isBlank = true; }
//date time field validation - mm/dd/yyyy
var rez = /^(0[1-9]|1[0-2])\/(0[1-9]|1\d|2\d|3[01])\/(19|20)\d{2}$/.test(xfa.resolveNode("$data..DateTimeField1").value);
if (rez == false) {
notValid = notValid + "\n" + xfa.resolveNode("$data..DateTimeField1").name;
isNotValid = true; }
//generate message
var message = "";
if (isBlank == true) {
message = blank + "\n" + "\n"; }
if (isNotValid == true) {
message = message + notValid; }
//check all conditions
if ((isBlank == true) || (isNotValid == true)){
xfa.host.messageBox(message, "Input data error", 0); //show message
return false; }
else { //proceed to save action
return true; }
```



Step 3. Save template and deploy it to library

Step 4. Runtime

Step 4.1. Create new form and try to click on “**Save**” when all fields are blank:



Error message appeared. Close it.



Step 4.2 Add to date field some wrong date value, like “22/22/2013” and try to submit:

Warning: JavaScript Window - Input data error

Please fill following fields:
RadioButtonGroup1

Please check input data in following fields:
DateTimeField1

OK

Step 4.3. Close window again and fill all fields with right data: check one of radio buttons and text field with string containing right date format:

Submit

DateTimeField1 12/22/2013

RadioButton1

RadioButton2

Now form can be submitted.