



# PDF SHARE FORMS

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PDF forms and SharePoint are better together

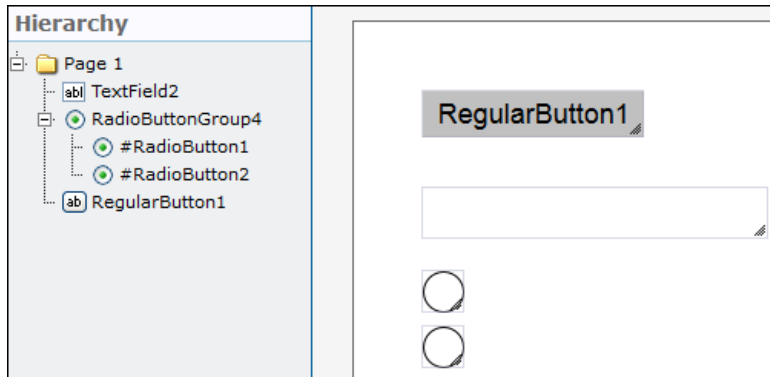
## Custom fields validation

This guide will show how to make custom validation for fields in static AcroForms and Dynamic XFA forms.

## 1. Static AcroForm

### Step 1. Template

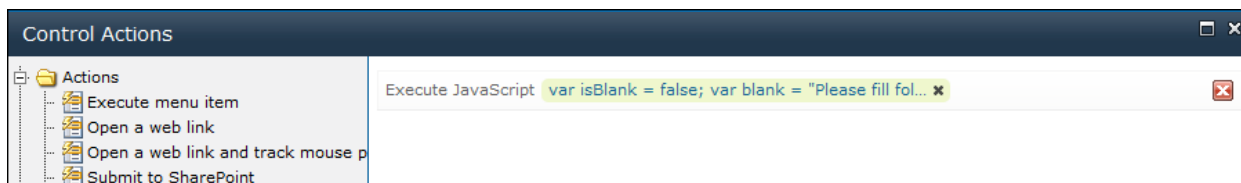
Following template will be used in this guide:



In this template are used following controls:

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

### Step 2. Add script to RegularButton1 (PDF Form Tools → Properties → Actions):



Add “JavaScript” action.

Code:

```
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;
}
```

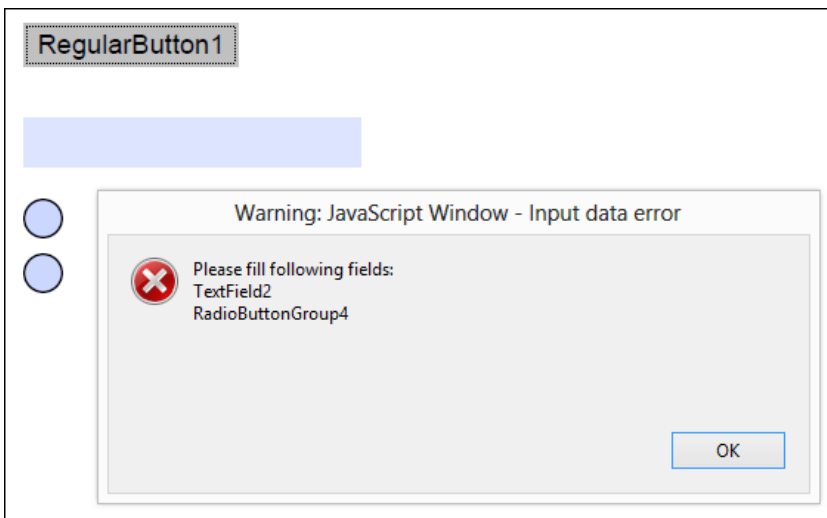
```
//validation text field must contain only lower case letters
if (/^[a-z]*$/ .test(this.getField('TextField2').value) == false) {
    notValid = notValid + "\n" + this.getField('TextField2').name;
    isNotValid = true;
}
//generate message
var message = "";
if (isBlank == true) {
    message = blank + "\n" + "\n";
}
if (isNotValid == true) {
    message = message + notValid;
}
//check all conditions
if ((isBlank == true) || (isNotValid == true)) {
    //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/PDFForms/PDF.aspx", cSubmitAs: "PDF"
});
}
```

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

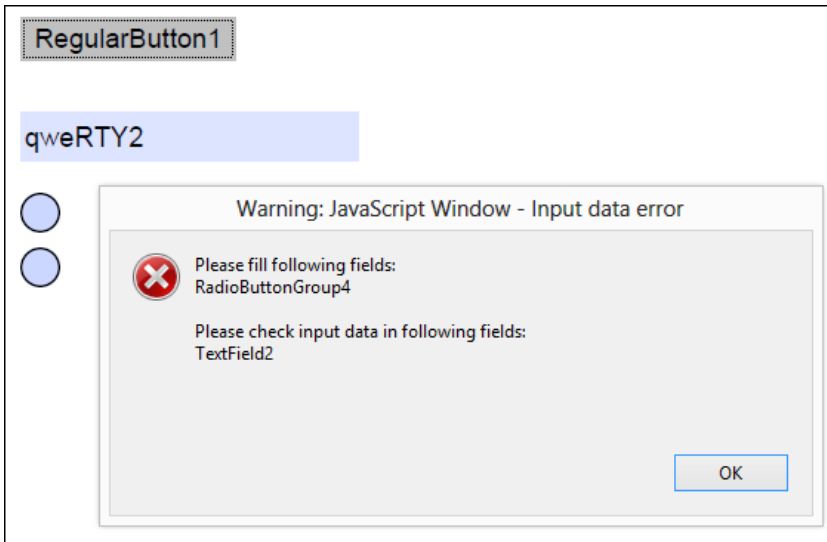
**Step 3.** Save template and deploy it to library

**Step 4.** Runtime

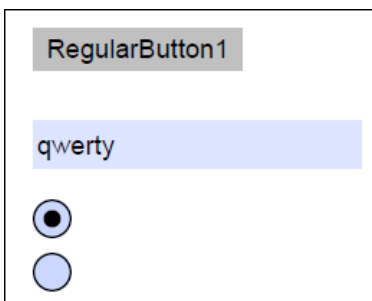
**Step 4.1.** Create new form and try to click on “RegularButton1” when all fields are blank:



**Step 4.2.** Error message appeared. Close it; add to text field some “wrong string” – 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:

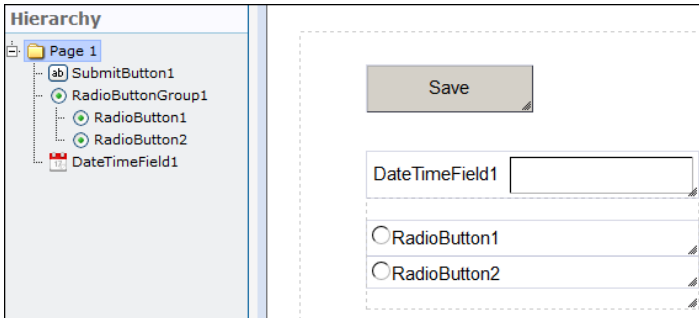


Now form can be submitted.

## 2. Dynamic XFA form

### Step 1. Template

Following template will be used in this guide:



In this template are used following controls:

- 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 (PDF Form Tools → Properties → Button Click):



Add “Scripted condition” condition to “If” section.

Code:

```
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 (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;
}
```

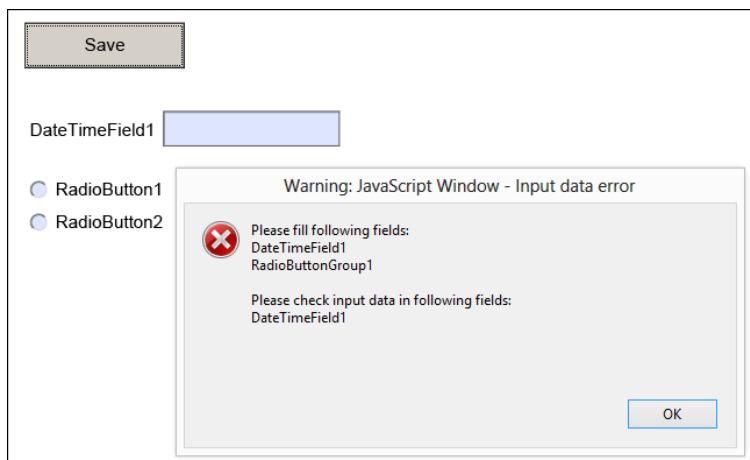
```
//date time field validation - mm/dd/yyyy
var rez = /^(0[1-9]|1[0-2])\/(0[1-9]|1\d|2\d|3[01])\/(19|20)\d{2}$/.test(xfa.resolveNode("$data..DateTimeField1").value);
if (rez == false) {
    notValid = notValid + "\n" + xfa.resolveNode("$data..DateTimeField1").name;
    isNotValid = true;
}
//generate message
var message = "";
if (isBlank == true) {
    message = blank + "\n" + "\n";
}
if (isNotValid == true) {
    message = message + notValid;
}
//check all conditions
if ((isBlank == true) || (isNotValid == true)){
    //show message
    xfa.host.messageBox(message, "Input data error", 0);
    return false;
}
else {
    //proceed to save action
    return true;
}
```

This code will check if “DateTimeField1” or “RadioButtonGroup1” are blank. Then it will validate data inside “DateTimeField1” using JavaScript Regular expressions – field must contain data formatted as mm/dd/yyyy. Finally it will create error message to display list of fields which are blank or need to be changed, or save this PDF form to SharePoint library.

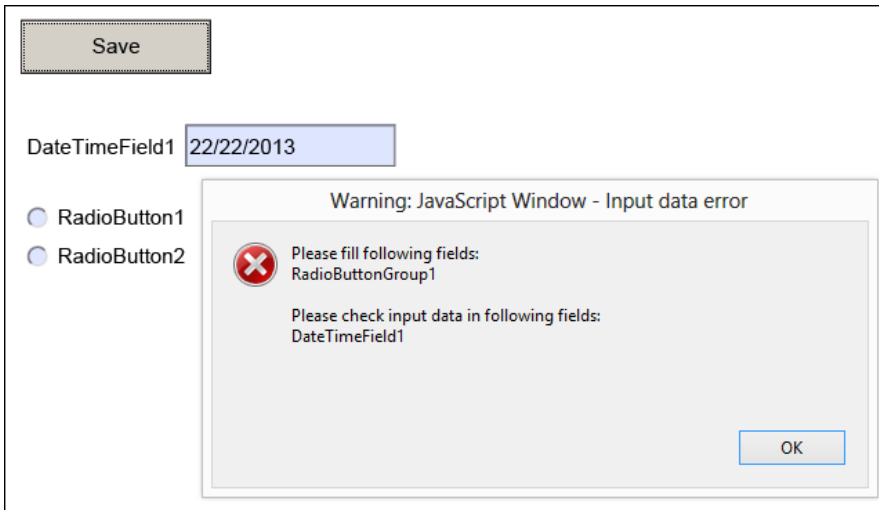
**Step 3.** Save template and deploy it to library

**Step 4.** Runtime

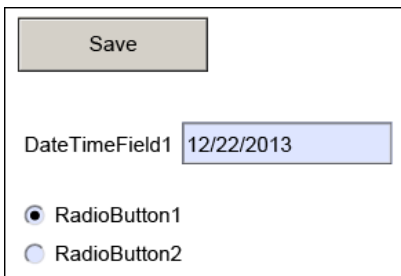
**Step 4.1.** Create new form and try to click on “Save” when all fields are blank:



**Step 4.2.** Error message appeared. Close it, add to text field some “wrong string” – date like “22/22/2013”:



**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:



Now form can be submitted.