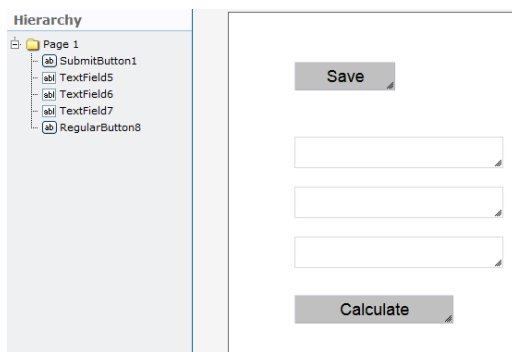


Calculating difference between two time values

This guide describes the steps to make scripts to calculate difference between two time values.

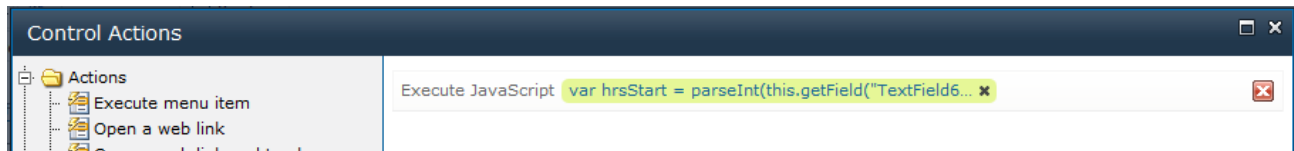
Static forms

Step 1. Prepare a simple form with several fields and buttons:



TextField5 is for end time value, **TextField6** is for start time value and **TextField7** is for result. **RegularButton8** (Calculate) is for executing calculation script.

Step 2. Add a script to **RegularButton8**: *PDF Form Tools* → *Properties* → *Actions* → *JavaScript action*.

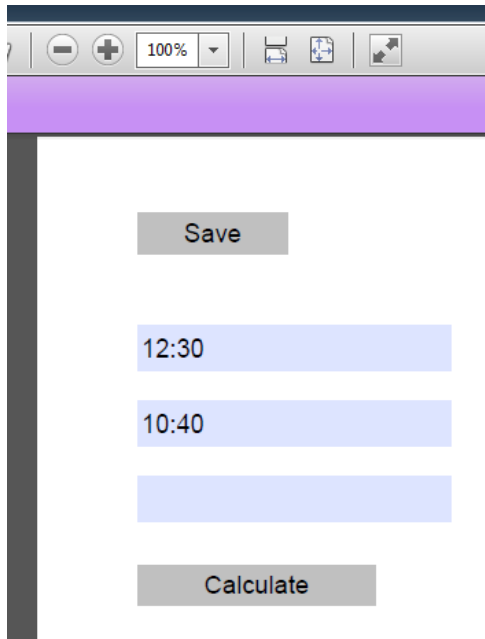


Script:

```
var hrsStart = parseInt(this.getField("TextField6").value.split(":")[0]);
var minStart = parseInt(this.getField("TextField6").value.split(":")[1]);
var hrsEnd = parseInt(this.getField("TextField5").value.split(":")[0]);
var minEnd = parseInt(this.getField("TextField5").value.split(":")[1]);
if (minStart > minEnd) {
    var minRez = 60 + minEnd - minStart;
    var hrsRez = hrsEnd - 1 - hrsStart;
} else {
    var minRez = minEnd - minStart;
    var hrsRez = hrsEnd - hrsStart;
}
this.getField("TextField7").value = hrsRez + ":" + minRez;
```

Step 3. Deploy a form and run it.

Runtime result



Save

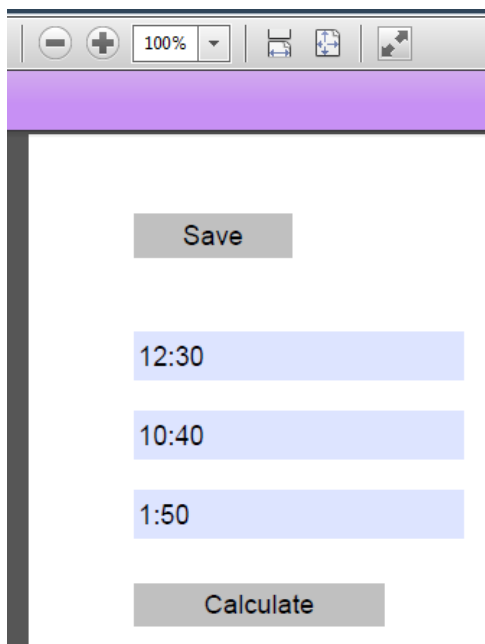
12:30

10:40

Calculate

Start time and end time have already been entered.

By clicking on the **Calculate** button you will get a result in the bottom field:



Save

12:30

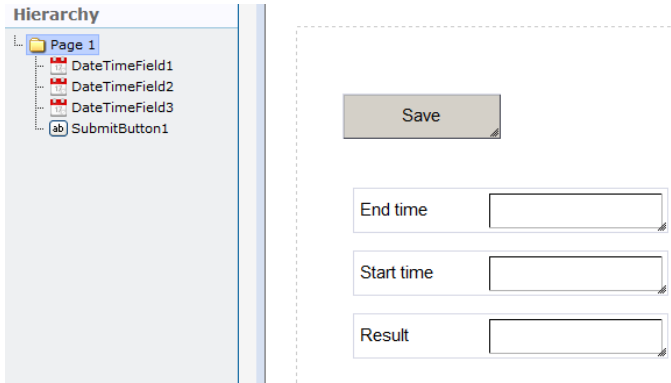
10:40

1:50

Calculate

Dynamic forms

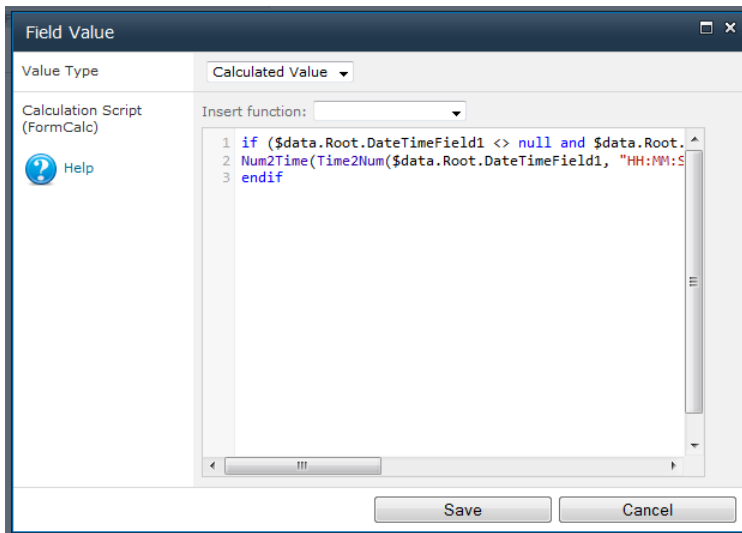
Step 1. Prepare a template:



DateTimeField1 is for end time value, **DateTimeField2** is for start time value and **DateTimeField3** is for result. Here will be used “**FormCalc**”, so we do not need for any additional button to calculate a result.

Step 2. Add a “**FormCalc**” script to DateTimeField3 “Value”:

PDF Form Tools → **Properties** → **Data Binding** → **Value** → **Value Type** → **Calculated Value**.

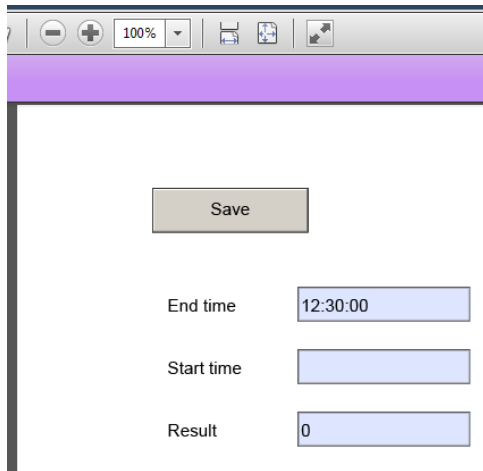


Script:

```
if ($data.Root.DateTimeField1 <> null and $data.Root.DateTimeField2 <> null) then
Num2Time(Time2Num($data.Root.DateTimeField1, "HH:MM:SS") -
Time2Num($data.Root.DateTimeField2, "HH:MM:SS")-10800000+1000, "HH:MM:SS")
endif
```

Step 3. Deploy a form and run it.

Runtime result



Save

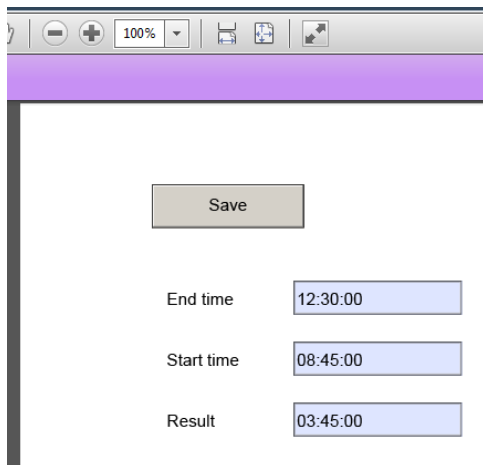
End time

Start time

Result

“End time” has already been entered.

By entering “Start time” you will trigger a form to calculate a difference and show it in the result field:



Save

End time

Start time

Result