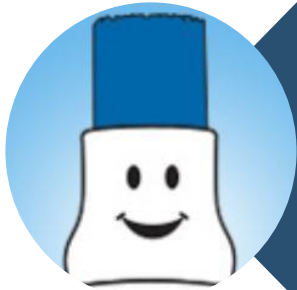


# Advanced Workflow – Jumpstart Training

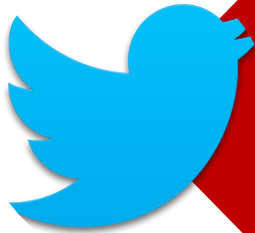
Jennifer Hwang | Winshuttle



# Introduction



App – Winshuttle



#WUG2014 – Twitter



SSID – Omni Meetings  
Password – omni14



# Agenda

- Workflow Logic
- Winshuttle Controls
- Participant Resolvers
- **Field Validation**
- Exposed! Process Metadata
- Web Services
- Introduction to Composer



# Field Validation

- Required Field!
- Validation Rule in InfoPath / Composer
- Allowing Submit
- Showing Field / Section / Group / Button
- Field Formatting

Using:

- Conditional Formatting
- Validation Control
- JavaScript



# Field Validation (cont.)

## Required Fields

- Easiest first step at field validation
- Generic

### Uses:

- Ensuring SAP-required fields complete
- Ensuring other required fields complete

### Examples:

- Any!

The screenshot shows the 'General Settings' dialog box for a field named 'Currency'. The 'Required' checkbox is checked, and the 'Read Only' checkbox is unchecked. The 'Element Type' is set to 'Dropdown'.

Property	Value
Name	Currency
Binding	Currency
Element Type	Dropdown
Required	True
Read Only	False
Options	(Collection)
Rules	(Collection)

The screenshot shows a 'Message from webpage' dialog box with a yellow warning triangle icon. The text inside the box reads: 'Form cannot be submitted while there are validation errors.' There is an 'OK' button at the bottom right.

The screenshot shows the 'Text Box Properties' dialog box with the 'Data' tab selected. The 'Field name' is 'field7' and the 'Data type' is 'Text (string)'. The 'Default Value' is empty. The 'Validation' section has the 'Cannot be blank' checkbox checked.

Property	Value
Field name	field7
Data type	Text (string)
Default Value	
Validation	Cannot be blank (checked)

# Field Validation (cont.)

## Validation Rule in InfoPath / Composer

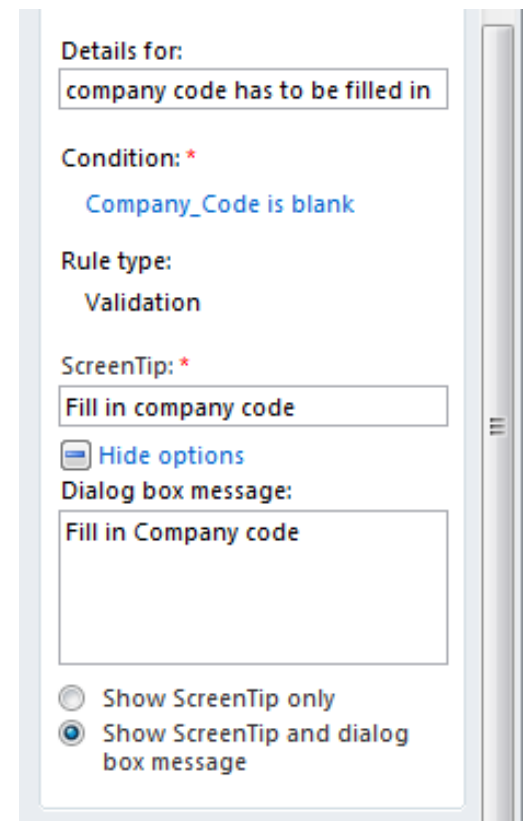
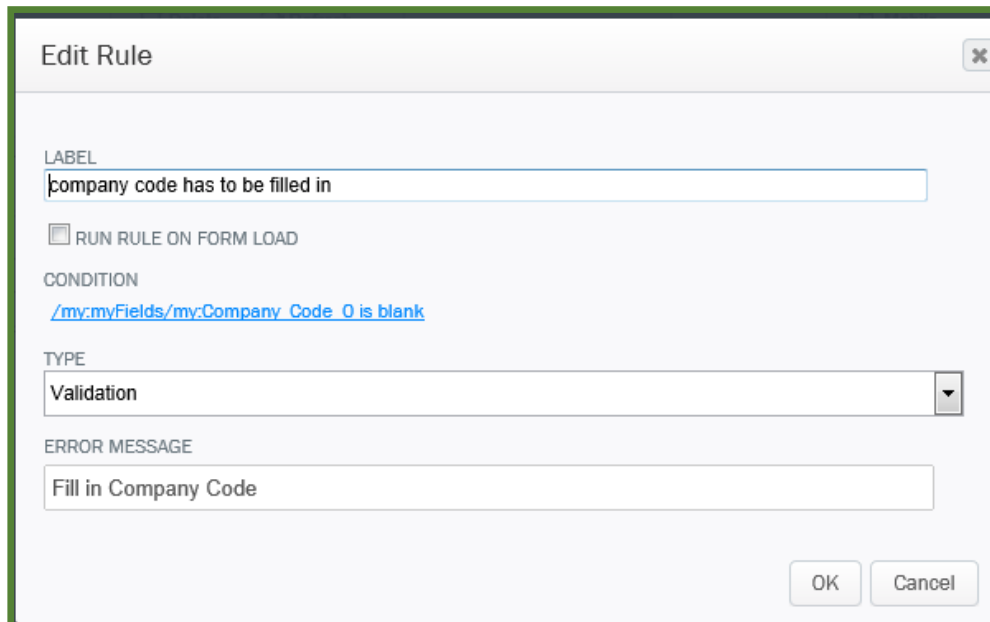
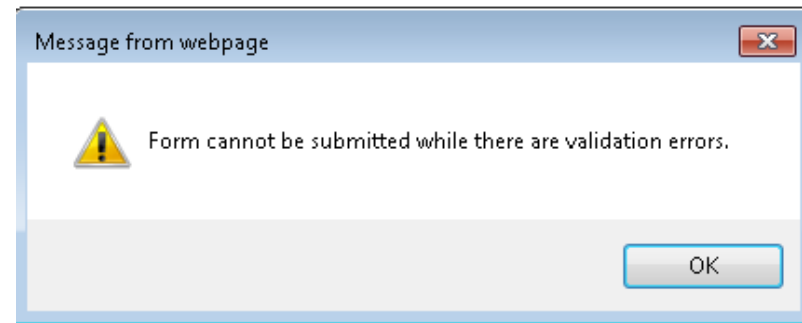
- Another easy option
  - Message is customizable

### Uses:

- Ensuring any field is complete

### Examples:

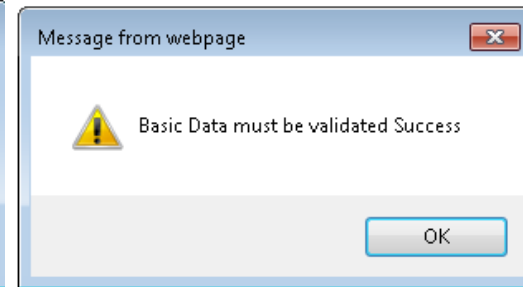
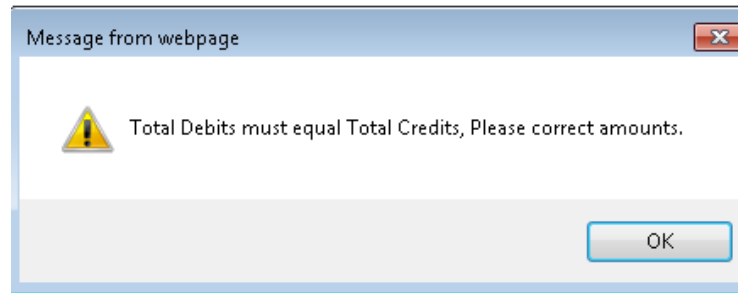
- Any!



# Field Validation (cont.)

## Allowing Submit

- Form Validation control using Comparisons



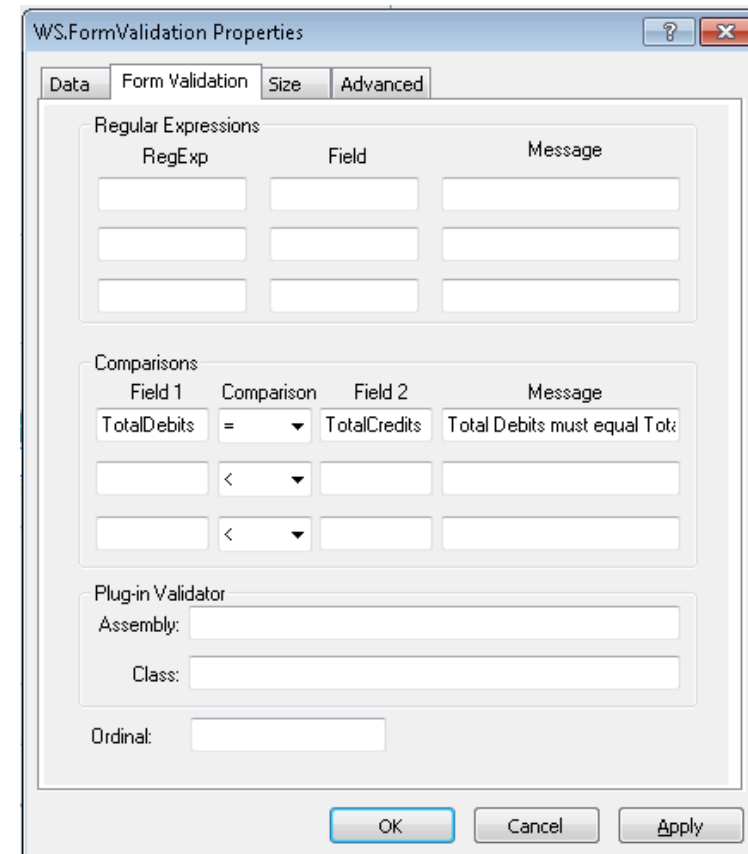
### Uses:

- Validation must be done against SAP prior to an action
- Debits and Credits must be equal

### Examples:

- Material Creation request – Validation required
- Journal Entry – Debits / Credits

\*Note: Validation will not run until the user submits the form to the workflow.

A screenshot of the 'WS.FormValidation Properties' dialog box. The 'Form Validation' tab is selected. It contains three main sections: 'Regular Expressions' with a table for RegExp, Field, and Message; 'Comparisons' with a table for Field 1, Comparison, Field 2, and Message; and 'Plug-in Validator' with fields for Assembly, Class, and Ordinal. The 'Comparisons' table has one row filled with 'TotalDebits', '=', 'TotalCredits', and 'Total Debits must equal Tot'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

RegExp	Field	Message

Field 1	Comparison	Field 2	Message
TotalDebits	=	TotalCredits	Total Debits must equal Tot
	<		
	<		



# Field Validation (cont.)

## Showing Field / Section / Button / Group

- Conditional formatting

### Uses:

- Showing / Hiding Buttons (Validate, Submit, Complete, etc)
- Optional Sections show based on checkbox
- Fields hidden until previous field filled out

### Examples:

- Search Sections showing (material, customer, vendor)
- Retail Article

Label: Hide Section

☐ RUN RULE ON FORM LOAD

Condition: [/my.myFields/my:Company\\_Code\\_0 is blank](#)

Type: Formatting

Apply styles to fields: Company\_Code\_0

B I U S BACKGROUND COLOR:  TEXT COLOR:

AABBCCXXYYZZ

☒ HIDE COMPONENT GROUP ☐ DISABLE COMPONENT

☐ HIDE COMPONENT ☐ REQUIRE COMPONENT

Details for:

Rule 1

Condition: \*

[Purchasing\\_Group is blank](#)

Rule type:

Formatting

Formatting: \*



(hidden)

☒ Hide this control

☐ Don't allow users to insert or delete this control





# Field Validation (cont.)

## Field Formatting

- Ensure field is entered in correct format
  - Form Validation control with Regular Expressions (REGEX / RegExp)
    - Pattern
  - JavaScript

### Uses:

- Number of characters
- Email address
- Zip code
- Phone number
- Social Security Number

### Examples:

- Sample in our Documentation
- Adrian Field Validation

### Helpful Sites:

- <http://regexlib.com/>
- RegExp Tester App (<http://regex101.com>)

The screenshot shows the 'WS.FormValidation Properties' dialog box with the 'Form Validation' tab selected. It contains three main sections: 'Regular Expressions', 'Comparisons', and 'Plug-in Validator'. The 'Regular Expressions' section has a table with columns 'RegExp', 'Field', and 'Message'. The first row contains the regex '^([a-zA-Z])(15)\$', the field 'charactersAlpha', and the message 'your entry is incorrect - 2'. The 'Comparisons' section has a table with columns 'Field 1', 'Comparison', 'Field 2', and 'Message'. The 'Plug-in Validator' section has fields for 'Assembly:', 'Class:', and 'Ordinal:'. The 'Ordinal:' field is highlighted with a yellow circle and contains the value '200'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

Regular Expressions		
RegExp	Field	Message
<input type="text" value="^[a-zA-Z](15)\$"/>	<input type="text" value="charactersAlpha"/>	<input type="text" value="your entry is incorrect - 2"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Comparisons			
Field 1	Comparison	Field 2	Message
<input type="text"/>	<input type="text" value="&lt;"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text" value="&lt;"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text" value="&lt;"/>	<input type="text"/>	<input type="text"/>

Plug-in Validator

Assembly:

Class:

Ordinal:

OK Cancel Apply



## Questions

