

# Data Validation & Prepopulating Fields

## Poka-Yoke

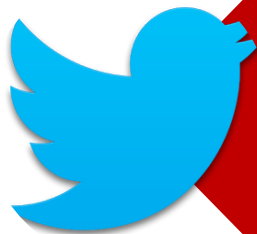
Heather Oebel | Winshuttle



# Introduction



App – Winshuttle



#WUG2014 – Twitter

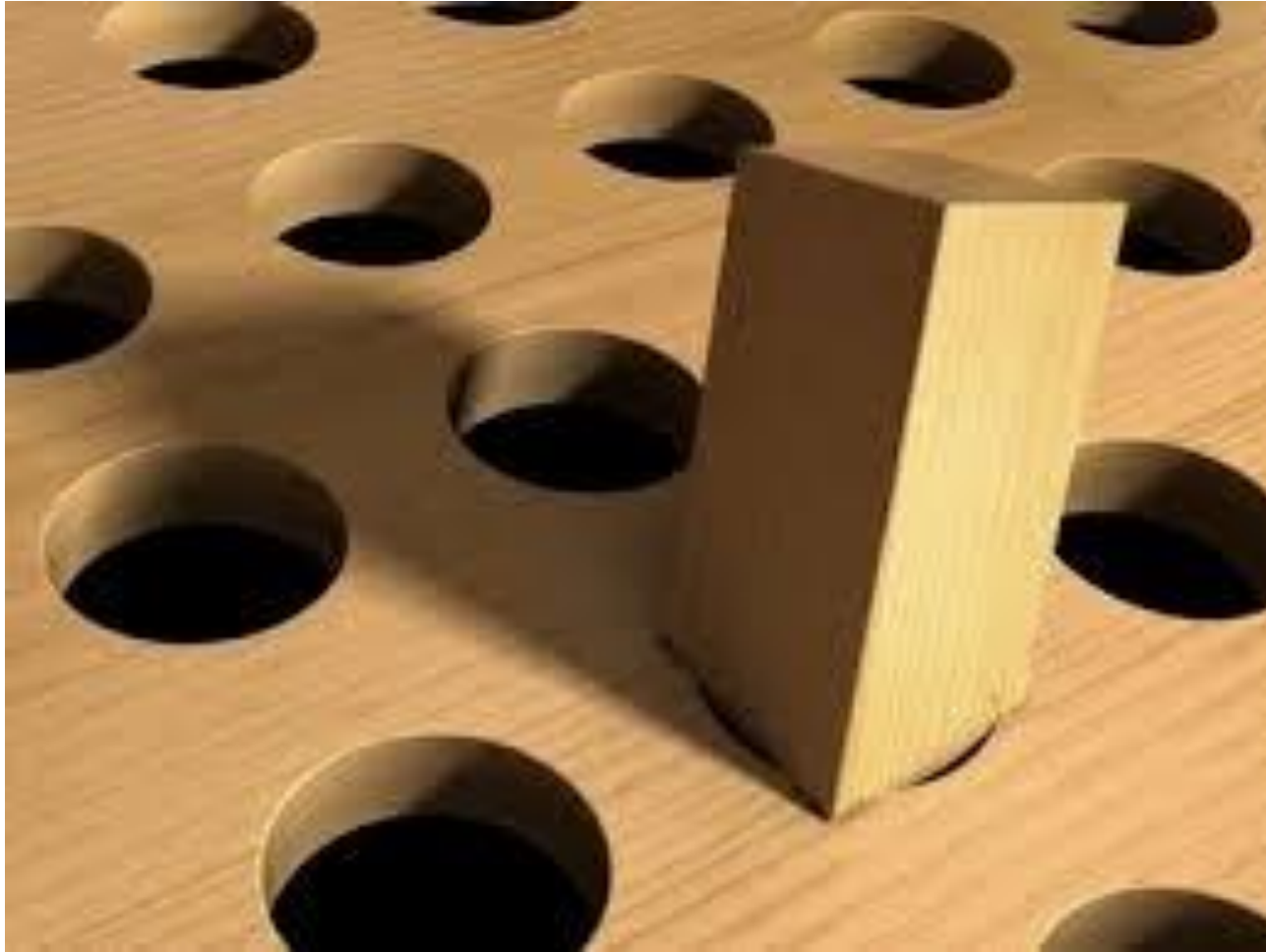


SSID – Winshuttle  
Password – wug2014

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# Poka-Yoke (ポカヨケ)

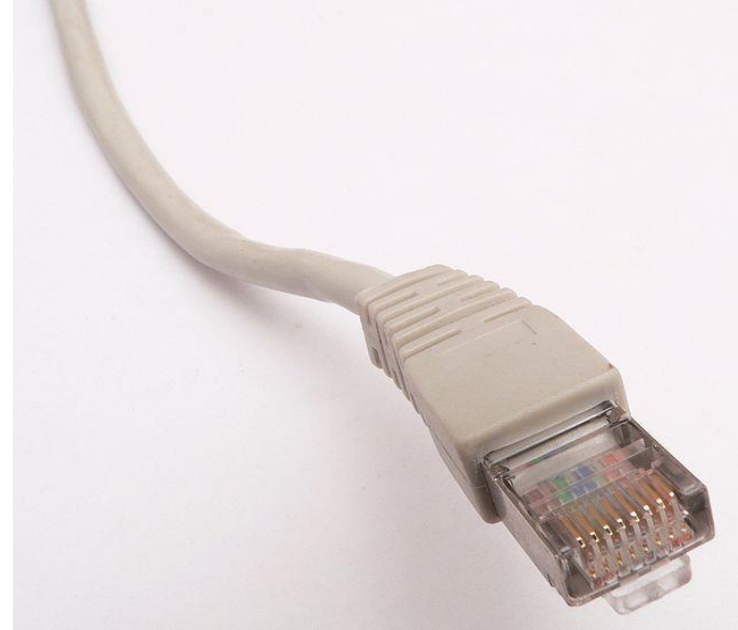


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# Poka-Yoke

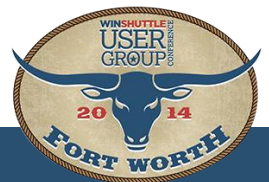
Mistake Proofing  
Idiot proofing



Wikipedia

Poka-yoke (ポカヨケ?) is a Japanese term that means "mistake-proofing". A poka-yoke is any mechanism in a lean manufacturing process that helps an equipment operator avoid (*yokeru*) mistakes (*poka*). Its purpose is to eliminate product defects by preventing, correcting, or drawing attention to human errors as they occur.

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# Data Validation

## Types of Data Validation

- SAP Validation
- Business Rules Validation
- Form Validation

## Planning is Key!

It affect how many scripts and the design of a form.

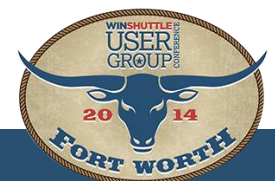
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# Data Validation

- SAP Validation
  - Scripts using validation feature in Transaction
    - Easier if possible
    - Use the same script for Run and Validate
  - Validation script – can only validate
    - Useful to split up a transaction by user
    - Useful to validate partial data

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# Data Validation

- Business Rules Validation
  - Calculations
    - logic
    - form functions
  - Drop downs
    - live Query
    - SP lists –staged data
    - manual lists
  - Rules – Formatting and Actions
    - setting defaults based on values in the form
  - External Validation – e.g. Address Doctor

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# Data Validation

- Form Validation
  - Rules – Validation
    - Write a rule for when it fails – add error message.
  - Controls – Form Validation
    - Write an expression that needs to be validated (True) then error message shows if it fails.
  - Required fields

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# Prepopulating data

- User friendly
- Eliminates the need to research in SAP – all functionality is in the form.
- Give user what is currently in SAP
  - Modify / change – only make changes
  - Copy from – useful for users to copy a similar record and only edit what is different
- Use Transaction or Query to pull in details

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# Design Patterns /Solution Accelerators

- Design Patterns - All  
<http://bit.ly/mddesignpatterns>
- Data Validation  
<http://bit.ly/datavalidation>
- Prepopulating Fields  
<http://bit.ly/prepopfields>
- Same fields, multiple scripts  
<http://bit.ly/samefields>

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# Examples – Demo



Questions?

