

Enhanced conditionals

Target audience: WMS Site Managers

In this article:

- Overview
- Enhanced conditionals in action
- Nested conditional statements
 - Some notes

Overview

Note: This article presumes that you have some familiarity with creating and managing webforms.

If not, please view the following resources before proceeding:

- KB #2711: [Create Forms in the Web Management System](#)
- KB #2722: [Webform component types in the WMS](#)
- Video: [Setting up conditional rules in a webform](#) (requires Adobe Flash player)

A known limitation of webforms is the inability to combine both AND and OR statements within the same conditional statement. This means that Site Managers would need to create more conditionals than is necessary - separating AND and OR conditions, or making them reliant on IS NOT relationships that may require additional statements.

With **enhanced conditionals**, it is now possible to use both AND and OR statements within the same conditional statement.

Enhanced conditionals in action

The example below shows a wizard-type form where prospective exchange students can find affiliated educational institutions in other cities based on:

- The language they can speak
 - English
 - French
 - Spanish
 - Mandarin or Cantonese
 - Portuguese
- Which continents they are interested in visiting
 - Asia
 - Europe

- o South America
- o Africa

Study abroad: Where can I go?

Fill out this form to find out which universities you can attend.

Languages

	English	French	Spanish	Mandarin or Cantonese	Portuguese
I can speak	☐	☐	☐	☐	☐

Continents

	Asia	Europe	South America	Africa
I'd like to go to	☐	☐	☐	☐

Notes on this example:

- All options are checkboxes, so users can specify as many languages and continents as they like
- An **advanced grid** was used in order to make the display more compact
- The information displayed should be taken only as an example - it is not meant to be accurate

Once a student selects both a **language** AND a **continent**, *affiliate educational institutions* that apply to the selected language and continent will appear.

Languages

	English	French	Spanish	Mandarin or Cantonese	Portuguese
I can speak	☒	☐	☐	☐	☐

Continents

	Asia	Europe	South America	Africa
I'd like to go to	☐	☒	☐	☐

King's College (London)

Affiliate institution

If there are no institutions that offer instruction in a particular language in a particular continent, a *warning message* to that effect will be displayed.

Languages

	English	French	Spanish	Mandarin or Cantonese	Portuguese
I can speak	☐	☒	☐	☐	☐

Continents

	Asia	Europe	South America	Africa
I'd like to go to	☒	☐	☐	☐

Sorry, none of our affiliate institutions in Asia have French as a medium of instruction.

Warning message

If a student selects multiple languages and/or continents, then **all** the applicable institutions and messages will appear.

Languages

	English	French	Spanish	Mandarin or Cantonese	Portuguese
I can speak	☒	☒	☒	☐	☐

Continents

	Asia	Europe	South America	Africa
I'd like to go to	☐	☐	☒	☒

University of Buenos Aires **Spanish - South America**

Université de Guyane **French - South America**

University of Johannesburg **English - Africa**

Cairo University **French/English - Africa**

University of Nairobi **English - Africa**

Sorry, none of our affiliates in Asia, Europe or Africa indicate Spanish as a medium of instruction.

Nested conditional statements

Now let's look at how some of the conditionals were set up.

In the partial example below, the following institutions are monolingual:

- University of Santo Tomas
- King's College
- University of Johannesburg
- University of Nairobi
- Paris-Sorbonne

+ + + + If Languages: I can speak is English and Continents: I'd like to go to is Asia then University of Santo Tomas is shown	Simple conditional (monolingual)	(+) (+) (-) (+) (+) (-) (+) (+) (-)
+ + + + If (Languages: I can speak is English or Languages: I can speak is Mandarin or Cantonese) and Continents: I'd like to go to is Asia then University of Hong Kong is shown then National University of Singapore is shown		(+) (+) (-) (+) (+) (-) (+) (+) (-) (+) (+) (-) (+) (+) (-) (+) (+) (-)
+ + + + If Languages: I can speak is English and Continents: I'd like to go to is Europe then King's College is shown	Simple conditional (monolingual)	(+) (+) (-) (+) (+) (-) (+) (+) (-)
+ + + + If (Languages: I can speak is English or Languages: I can speak is French) and Continents: I'd like to go to is South America then Université de Guyane is shown		(+) (+) (-) (+) (+) (-) (+) (+) (-) (+) (+) (-) (+) (+) (-) (+) (+) (-)
+ + + + If Languages: I can speak is English and Continents: I'd like to go to is Africa then University of Johannesburg is shown then University of Nairobi is shown	Simple conditional (monolingual)	(+) (+) (-) (+) (+) (-) (+) (+) (-) (+) (+) (-)
+ + + + If Languages: I can speak is French and Continents: I'd like to go to is Asia then French in Asia is shown		(+) (+) (-) (+) (+) (-) (+) (+) (-)
+ + + + If Languages: I can speak is French and Continents: I'd like to go to is Europe then Paris Sorbonne is shown	Simple conditional (monolingual)	(+) (+) (-) (+) (+) (-) (+) (+) (-)

As such, their respective conditionals are simple “**if-and-then**” statements:

- **If** I can speak *English* **AND** I’d like to go to *Asia*, **then** *University of Santo Tomas* is shown
- **If** I can speak *English* **AND** I’d like to go to *Europe*, **then** *King’s College* is shown
- **If** I can speak *English* **AND** I’d like to go to *Africa*
 - o **then** *University of Johannesburg* is shown
 - o **then** *University of Nairobi* is shown
- **If** I can speak *French* **AND** I’d like to go to *Europe*, **then** *Paris-Sorbonne* is shown

Therefore, they don’t require **OR statements** because they’re only concerned with one language.

Now let’s look at the conditionals for the bilingual institutions:

- University of HongKong
- National University of Singapore
- Université de Guyane

+	If	Languages: I can speak	is	English	and	(+)	+	-
		Continents: I'd like to go to	is	Asia		(+)	+	-
	then	University of Santo Tomas	is	shown			+	-
+	If (	Languages: I can speak	is	English	or	(+)	+	-
		Languages: I can speak	is	Mandarin or Cantonese		(+)	+	-
	) and	Continents: I'd like to go to	is	Asia		(+)	+	-
	then	University of Hong Kong	is	shown			+	-
	then	National University of Singapore	is	shown			+	-
+	If	Languages: I can speak	is	English	and	(+)	+	-
		Continents: I'd like to go to	is	Europe		(+)	+	-
	then	King's College	is	shown			+	-
+	If (	Languages: I can speak	is	English	or	(+)	+	-
		Languages: I can speak	is	French		(+)	+	-
	) and	Continents: I'd like to go to	is	South America		(+)	+	-
	then	Université de Guyane	is	shown			+	-
+	If	Languages: I can speak	is	English	and	(+)	+	-
		Continents: I'd like to go to	is	Africa		(+)	+	-
	then	University of Johannesburg	is	shown			+	-
	then	University of Nairobi	is	shown			+	-
+	If	Languages: I can speak	is	French	and	(+)	+	-
		Continents: I'd like to go to	is	Asia		(+)	+	-
	then	French in Asia	is	shown			+	-
+	If	Languages: I can speak	is	French	and	(+)	+	-
		Continents: I'd like to go to	is	Europe		(+)	+	-
	then	Paris Sorbonne	is	shown			+	-

Because these institutions use more than one language, simple “**if-and-then**” statements would not suffice. There has to be a **nested OR conditional** that includes the second language in the statement:

- **If** I can speak *English* **OR** *Mandarin or Cantonese* **AND** I'd like to go to *Asia*
 - o **then** *University of Hong Kong* is shown
 - o **then** *National University of Singapore* is shown
- **If** I can speak *English* **OR** *French* **AND** I'd like to go to *South America*
 - o **then** *Université de Guyane* is shown

Some notes

- Nested conditionals are added using the (+) symbol

- Avoid clicking on the (-) symbol on the same line as the **then** statement as this will delete the entire conditional
- As with simple statements, you can add or delete statements within nested conditionals using the (+) and (-) symbols
- Nested conditionals can handle multiple statements