

# A2J Author® Advanced User Forum

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# **Nested Repeat Loops**

#### **Before We Get Started**

- All attendees are on mute. Please raise your hand to ask questions.
- If you are listening in without a microphone, ask your questions in the question box.
- If you are calling in, please enter your audio pin to be heard.
- This session is being recorded and will be posted on the A2J Author YouTube Channel.

### **Agenda**

- Repeat Loops in A2J & HotDocs the problem
- The Solution
- Creating the A2J Guided Interview
- The HotDocs component
- Questions

#### The Problem

HotDocs Explicit Indexing: two-digit

```
Ex. Child first name TE [1]
Child city TE [1,1]
```

 A2J's Explicit Indexing: one indexing or counting variable at a time

```
Ex. Child first name TE [1]
Child City TE [1]
```

#### The Solution: A Work Around

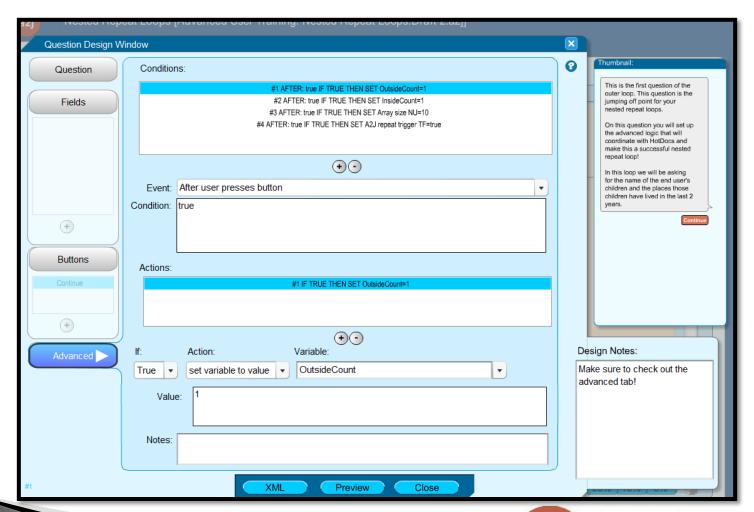
A2J Counter Variable	Corresponding HotDocs Variable	Purpose
OutsideCount	ParentCtr NU	Tracks outside or parent loops
InsideCount	ChildCtr NU	Tracks inside or child loops
AbsoluteCount	ExpIndex NU	Unique index for each answer in the child loops
Array size NU	Array size NU	Maximum number of answers in any child loop
ICap NU	ICap NU	Total iterations in any given child loop

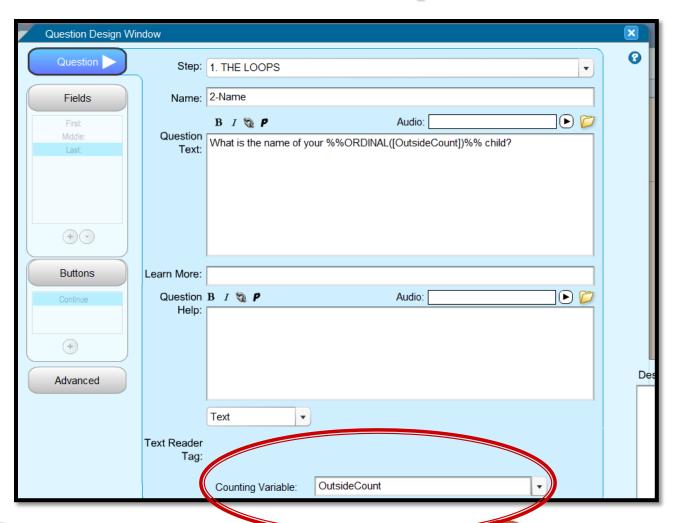
#### **Child Loop Variables**

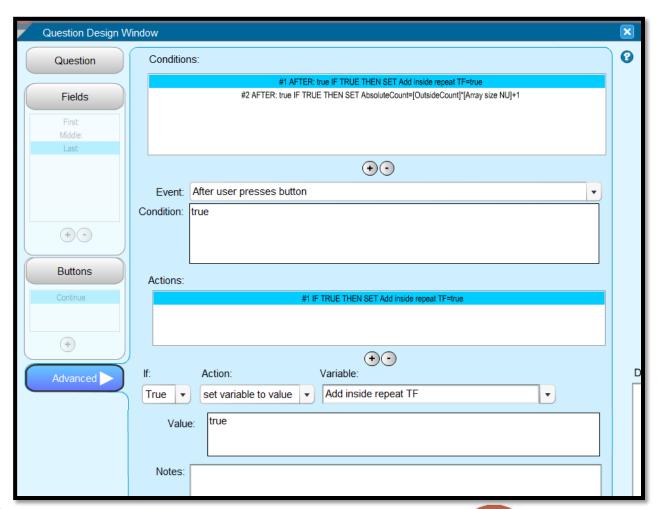
Unlike most interviews, the HotDocs variables for the inner or child loops are not going to be used in the A2J Guided Interview.

Instead, we will create distinct A2J variables and HotDocs variables for the inner loops.

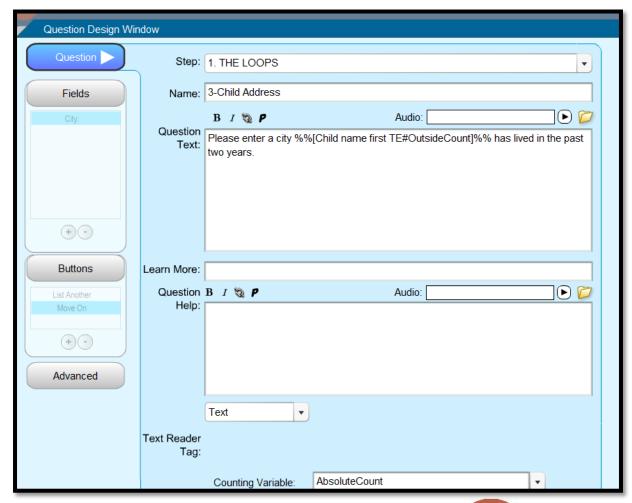
A HotDocs computation will parse and map the A2J variables to the corresponding HotDocs variables to simulate explicit indexing.



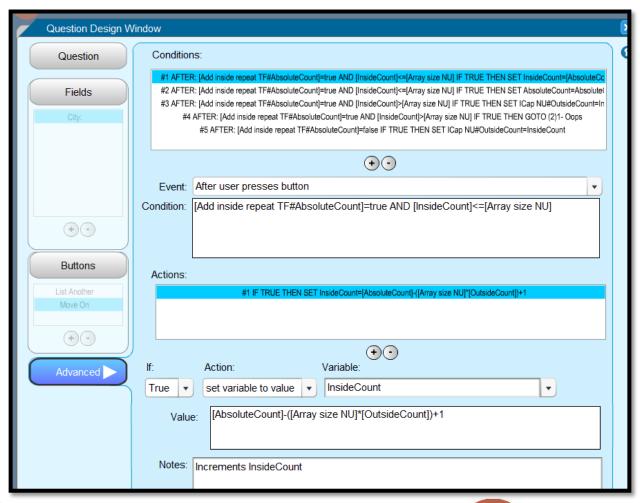




a2j



a2j



a2

#### The Advanced Tab Broken Down

	Condition	Action	Explanation
1	[Add inside repeat TF#AbsoluteCount] = true AND InsideCount<= [Array size NU]	IF TRUE THEN SET InsideCount=[AbsoluteCount]-[Array size NU]*[OutsideCount]+1	Increments InsideCount if InsideCount is less than or equal to Array size NU.
2	[Add inside repeat TF#AbsoluteCount]=true AND [InsideCount]<=[Array size NU]	IF TRUE THEN SET AbsoluteCount=AbsoluteCount + 1	Increments AbsoluteCount if InsideCount is less than or equal to Array size NU
3	[Add inside repeatTF#AbsoluteCount]=true AND [InsideCount]>[Array size NU]	IF TRUE THEN SET ICap NU#OutsideCount=InsideCount	Sets the Iteration Cap counter (ICap NU) for this outer loop to the value of InsideCount if InsideCount is greater than Array size NU
4	[Add inside repeat TF#AbsoluteCount]=true AND [InsideCount]>[Array size NU]	IF TRUE THEN GOTO (2)1-Oops!	Moves to the error message if the user tries to enter an 11 <sup>th</sup> city.
5	[Add inside repeat TF#AbsoluteCount]=false	IF TRUE THEN SET ICap NU#OutsideCount= InsideCount	If Move On is selected, locks the Iteration cap (ICap NU) for the outer loop to the value of InsideCount, which is not incremented.

#### The Two Most Important Buttons

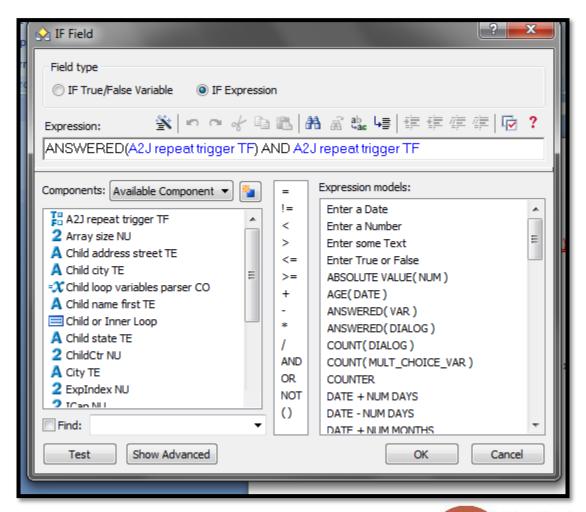


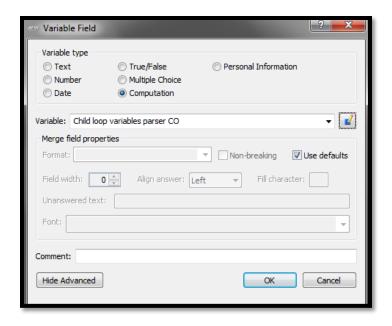


List Another Button

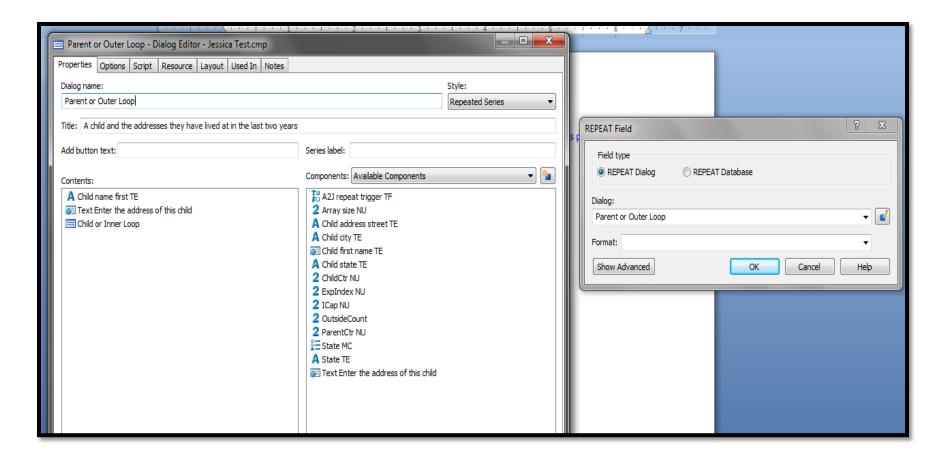
Move On Button

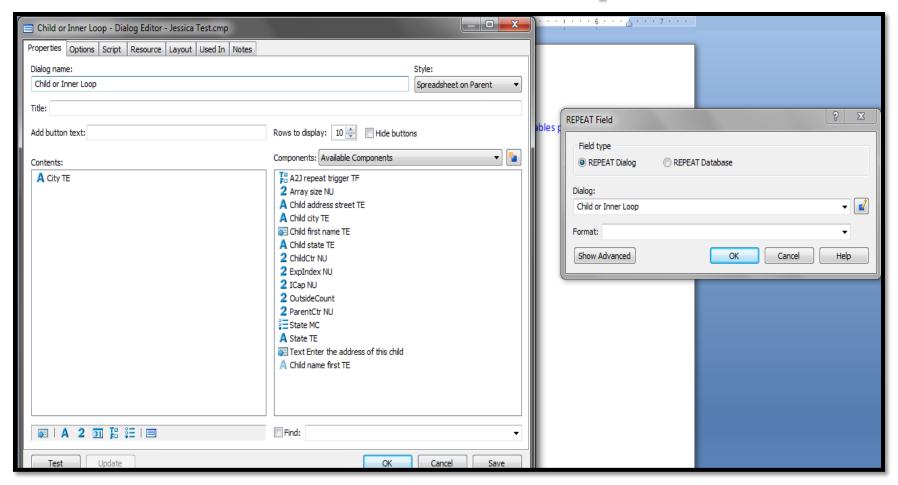
```
«IF ANSWERED(A2J repeat trigger TF) AND A2J repeat trigger TF» «Child loop variables parser CO» «END
IF»
«REPEAT Parent or Outer Loop»
«Child name first TE» has lived in:
       «REPEAT Child or Inner Loop»
        «City TE»
       «END REPEAT»
«END REPEAT»
```





SET ParentCtr NU TO 1 SET ChildCtr NU TO 1 SET Explndex NU TO ( ParentCtr NU \* Array size NU) + 1WHILE ParentCtr NU <= OutsideCount WHILE ChildCtr NU <= ICap NU[ ParentCtr NU] SET City TE[ParentCtr NU, ChildCtr NU] TO Child city TE[ExpIndex NU] SET State TE[ParentCtr NU, ChildCtr NU] TO Child state TE[ExpIndex NU] **INCREMENT Explindex NU INCREMENT ChildCtr NU FND WHII F INCREMENT ParentCtr NU** SFT ChildCtr NU TO 1 SET Explndex NU TO (ParentCtr NU \* Array size NU) +1 **END WHILE** 







# **Questions or Feedback?**

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#### **Thank You!**

The Center for Computer-Assisted Legal Instruction ("CALI") for the GotoMeeting Services!