# Group 1

INSTRUCTIONS: Group 1 instructions

TEXT: Group 1 text

COMMENT: comment c.1 Text - "Select One", 3 options; all fields; fonts; - ***bold, italic, and underlined text***

TITLE: comment c.1 Title - ***bold, italic, and underlined text***

INSTRUCTIONS: comment c.1 Instructions ***- bold, italic, and underlined text***

#no 'text' element

NOTE: comment c.1 Comment Note - ***bold, italic, and underlined text***

() Option c.1.A Text - ***bold, italic, and underlined text***

NOTE: Option c.1.A note - ***bold, italic, and underlined text***

() Option c.1.B Text - ***bold, italic, and underlined text***

NOTE: Option c.1.B note - ***bold, italic, and underlined text***

() Option c.1.C Text - ***bold, italic, and underlined text***

NOTE: Option c.1.C note - ***bold, italic, and underlined text***

**Page 1.1 title**

INSTRUCTIONS: ***page 1.1 instructions (bold, italic, and underlined text)***

TEXT: page 1.1 text - ***(bold, italic, and underlined text)***

COMMENT: comment 1.1 Text - "Select Multi", 3 options; all fields;

INSTRUCTIONS: comment 1.1 Instructions

[] Option c.1.1.A Text

NOTE: Option c.1.1.A Text

[] Option c.1.1.B Text

Option c.1.1.B Text

[] Option c.1.1.C Text

NOTE: Option c.1.1.C Text

ID: 1.1

INSTRUCTIONS: Question 1.1 Instructions - ***bold, italic, and underlined text***

TITLE: Question 1.1 Title - ***bold, italic, and underlined text***

TEXT: Question 1.1 Text - "Select One", 3 options; all fields; fonts; - ***bold, italic, and underlined text***

NOTE: Question 1.1 Note - ***bold, italic, and underlined text***

() Option q.1.1.A Text - ***bold, italic, and underlined text***

NOTE: Option q.1.1.A note - **bold**, *italic*, and underlined text

BNF: BNF for option q.1.1.A

() Option q.1.1.B Text - **bold**, *italic*, and underlined text

NOTE: Option q.1.1.B note - **bold**, *italic*, and underlined text

BNF: BNF for option q.1.1.B

() Option q.1.1.C Text - **bold**, *italic*, and underlined text and clone of this full question q.1.1

CLONE:q.1.1

NOTE: Option q.1.1.C note - **bold**, *italic*, and underlined text

BNF: BNF for option q.1.1.C

ID: 1.2

INSTRUCTIONS: Question 1.2 Instructions

TITLE: Question 1.2 Title

TEXT: Question 1.2 Text - "Select Multi", 3 options; all fields;

NOTE: question-level note for q.1.2

[] Option q.1.2.A Text

NOTE: Option q.1.2.A Note

BNF: BNF for option q.1.2.A

[] Option q.1.2.B Text

NOTE: Option q.1.2.B Note

BNF: BNF for option q.1.2.B

[] Option q.1.2.C Text

NOTE: Option q.1.2.C Note

BNF: BNF for option q.1.2.C

RESPONSE\_VALIDATION: {required::required}

ID: 1.3

INSTRUCTIONS: Question 1.3 Instructions

TITLE: Question 1.3 Title

TEXT: Question 1.3 Text - "textbox"; all fields; bnf json= insert

NOTE: Question 1.3 Note

[TEXTBOX]

BNF: BNF for option q.1.3; insert textbox text: [INSERT]{qref::q.1.3}

NOTE: Option 1.3 note: provide text for bnf insert

ID: 1.4

INSTRUCTIONS: Question 1.4 Instructions

TITLE: Question 1.4 Title

TEXT: Question 1.4 Text - "memo"; all fields; bnf json= insert

NOTE: Question 1.4 Note

[MEMO]

BNF: BNF for option q.1.4; insert memo text: [INSERT]{qref::q.1.4}

ID: 1.5

INSTRUCTIONS: Question 1.5 Instructions

TITLE: Question 1.5 Title

TEXT: Question 1.5 Text - "cloze"; all fields; bnf json= insert

#NOTE: Question 1.5 Note: check insert separator in multi-select 1.5.d - [INSERT]{qref::q.1.5.d;; separator::";"}

NOTE: Question 1.5 Note: check insert separator in multi-select 1.5.d - [INSERT]{qref::q.1.5.d}

Question 1.5 response text [NUMERICAL] [TEXTBOX] [|option 1|option2|option 3|]{default::option (single) list}[:option 1:option2:option 3:]{default::option (multi) list;;required::required;; invalid\_text:: pick one;;gte::2}[MEMO]{required::required;; invalid\_text:: enter something}

BNF: BNF for option q.1.5; insert cloze: [INSERT]{qref::q.1.5.a} [INSERT]{qref::q.1.5.b} [INSERT]{qref::q.1.5.c} [INSERT]{qref::q.1.5.d;; separator:: "," } [INSERT]{qref::q.1.5.e}

NOTE: 1.5 Response-level note

ID: 1.6

INDENT: 2

TEXT: Is there another statement like 1.5?

()No

()Yes

CLONE: q.1.5,q.1.6

# group 2

INSTRUCTIONS: Group 2 instructions

TEXT: group 2 text

COMMENT: comment 2 Text - "textbox";

INSTRUCTION comment 2 Instructions

TITLE: comment 2 Title (will be ignored at ingest to application – default comments title used

NOTE: comment 2 Note

[TEXTBOX]

**page 2.1 title**

INSTRUCTIONS: page 2.1 instructions

TEXT: page 2.1 text

COMMENT: comment 2.1 Text - "memo";

INSTRUCTION comment 2.1 Instructions

TITLE: comment 2.1 Title (ignored at ingest)

NOTE: comment 2.1 Note

[MEMO]

ID: 2.1

INSTRUCTIONS: Question 2.1 Instructions

TITLE: Question 2.1 Title

TEXT: Question 2.1 Text - "select multi"; no question or response-level note; validation= required

[] Option Q.2.1.A Text

NOTE: Option Q.2.1.A Note

BNF: BNF for option q.2.1.A

[] Option Q.2.1.B Text

NOTE: Option Q.2.1.B Note

BNF: BNF for option q.2.1.B

[] Option Q.2.1.C Text

NOTE: Option Q.2.1.C Note - invalid\_text is set to: "At least one must be selected" for this option

BNF: BNF for option q.2.1.C

RESPONSE\_VALIDATION:{required::required ;; invalid\_text:: At least one must be selected}

ID: 2.2

TITLE: Question 2.2 Title

TEXT: Question 2.2 Text - "textbox"; no instructions; validation= required, no spaces

NOTE: Question 2.2 Note: Answer is: [INSERT]{qref:: q.2.2}

[TEXTBOX]

RESPONSE\_VALIDATION:{required::required ;; pattern::[^\s]\*}

BNF: BNF for option q.2.2; insert textbox text: [INSERT]{qref::q.2.2}

ID: 2.3

INSTRUCTIONS: Question 2.3 Instructions - "cloze"; no text; no bnf; validations

TITLE: Question 2.3 Title

[NUMERICAL]{min :: 3 ;; max :: 5 ;; invalid\_text :: invalid value, must be between 3-5, inclusive}<br>[TEXTBOX]{maxlength ::3 ;; pattern ::[^a-zA-Z0-9 ]\* ;; invalid\_tex t:: invalid text, max length 3, only special characters, no spaces}

ID: 2.4

INSTRUCTIONS: Question 2.4 Instructions – "cloze"; no validations

TITLE: Question 2.4 Title

TEXT: Provide the number of widgits, whatchamacallits and/or leave a comment

[]Number of widgits: [NUMERICAL]

[]Number of whatchamacallits: [NUMERICAL]

[]Or, provide a comment: [MEMO]

# group 3

INSTRUCTIONS: Group 3 instructions

TEXT: group 3 text

COMMENT: comments 3 Text - "cloze"; all fields; 4 + last on separate line

INSTRUCTIONS: comments 3 Instructions

NOTE: comments 3 Note

Comments 3 response text Line 1 [NUMERICAL] [TEXTBOX] [|option 1|option2|option 3|]{default::option (single) list}[:option 1:option2:option 3:]{default::option (multi) list}

#new line cloze memo: [MEMO]{required::required}

NOTE: Option level note, Required memo input: [INSERT]{qref::c.3.e}; more note text

## Group 3.1

INSTRUCTIONS: Group 3.1 instructions

TEXT: Group 3.1 text

COMMENT: comments 3.1 Text - "select multi"; no note; validation= required

INSTRUCTIONS: comments 3.1 Instructions

[] Option c.3.1.A Text

NOTE: Option c.3.1.A Note

[] Option c.3.1.B Text

NOTE: Option c.3.1.B Note

[] Option c.3.1.C Text

NOTE: Option c.3.1.C Note

RESPONSE\_VALIDATION: {required::required ;; invalid\_text:: At least one must be selected}

### Group 3.1.1

INSTRUCTIONS: Group 3.1.1 instructions

TEXT: Group 3.1.1 text

COMMENT: comment 3.1.1 Text - "textbox"

INSTRUCTIONS: comment 3.1.1 Instructions

NOTE: comment 3.1.1 Note

[TEXTBOX]

NOTE: comment 3.1.1 option-level note

**page 3.1.1.1**

INSTRUCTIONS: page 3.1.1.1 instructions

TEXT: page 3.1.1.1 Text

COMMENT: comment 3.1.1.1 Text - "textbox"

INSTRUCTIONS: comment 3.1.1.1 Instructions

NOTE: comment-level 3.1.1.1 Note

[TEXTBOX]

NOTE: comment 3.1.1.1 option-level note

ID: 3.1.1.1

INSTRUCTIONS: Question q.3.1.1.1 instructions: select an option to display another question

TITLE: Question q.3.1.1.1 title

TEXT: Question q.3.1.1.1 text - "select one", NO BNF MAPPED-sets up DISPLAY\_WHEN

() Option q.3.1.1.1.A

() Option q.3.1.1.1.B

ID: 3.1.1.2

TITLE: Question q.3.1.1.2 title

TEXT: Question q.3.1.1.2 text - "select one", complex bnf

#display when q.3.1.1.1.A or q.3.1.1.1.B is true

DISPLAY\_WHEN: 3.1.1.1.A or 3.1.1.1.B

() Option q.3.1.1.2.A

BNF{3.1.1.1.A}: BNF text when options q.3.1.1.1.A and q.3.1.1.2.A are selected

BNF{3.1.1.1.B}: BNF text when options q.3.1.1.1.B and q.3.1.1.2.A are selected

() Option q.3.1.1.2.B

BNF{3.1.1.1.A}: BNF text when options q.3.1.1.1.A and q.3.1.1.2.B are selected

BNF{3.1.1.1.B}: BNF text when options q.3.1.1.1.B and q.3.1.1.2.B are selected

**page 3.1.2.1**

INSTRUCTIONS: page 3.1.2.1 instructions

TEXT: page 3.1.2.1 text

COMMENT: comment 3.1.2.1 Text - "textbox"

INSTRUCTIONS: comment 3.1.2.1 Instructions

NOTE: comment 3.1.2.1 Note

[TEXTBOX]

ID: 3.1.2.1

TITLE: Question q.3.1.2.1 title

TEXT: question q.3.1.2.1 text – textbox response, no instructions or note; BNF pulls from future question; mod and count used (\*\*this text pulled to other elements\*\*)

NOTE: BNF mapping for question q.3.1.2.1 - count how many from question q.3.1.2.2: [INSERT]{qref:: q.3.1.2.2;; count::true}; then insert and modify the options selected in q.3.1.1.2.2: [INSERT]{qref::q.3.1.2.2;; q.3.1.2.2.A::more text;; q.3.1.2.2::less text}.

Question text q.3.1.2.1 to modify: [TEXTBOX]

BNF: BNF mapping for question q.3.1.2.1 - count how many from question q.3.1.2.2: [INSERT]{qref:: q.3.1.2.2;; count::true};; then insert and modify the options selected in q.3.1.1.2.2: [INSERT]{qref::q.3.1.2.2;; q.3.1.2.2.A::more text;; q.3.1.2.2::less text}.

ID: 3.1.2.2

TITLE: Question q.3.1.2.2 title

TEXT: question q.3.1.2.2 text - select multi

[] option q.3.1.2.2.A - modify text to "more text"

[] option q.3.1.2.2.B - modify text to "less text"

### Group 3.1.3

INSTRUCTIONS: Group 3.1.3 instructions - insert text from q.3.1.2.1: [INSERT]{qref::q.3.1.2.1.a}

TEXT: Group 3.1.3 text - insert text from q.3.1.2.1: [INSERT]{qref::q.3.1.2.1.a}

COMMENT: Group 3.1.3 text - comment 3.1.3 Text - "textbox"

Group 3.1.3 instructions - insert text from q.3.1.2.1: [INSERT]{qref::q.3.1.2.1.a}

NOTE: comment-level 3.1.3 Note - insert text from q.3.1.2.1: [INSERT]{qref::q.3.1.2.1.a}

[TEXTBOX]

NOTE: comment 3.1.3 option-level note - insert text from q.3.1.2.1: [INSERT]{qref::q.3.1.2.1.a}

**page 3.1.3.1**

INSTRUCTIONS: Page 3.1.3.1 instructions - insert text from q.3.1.2.1: [INSERT]{qref::q.3.1.2.1.a}

COMMENT: comment 3.1.3.1 Text - "textbox"

INSTRUCTIONS: comment 3.1.3.1 Instructions - insert text from q.3.1.2.1: [INSERT]{qref::q.3.1.2.1.a}

NOTE: comment-level 3.1.3.1 Note - insert text from q.3.1.2.1: [INSERT]{qref::q.3.1.2.1.a}

[TEXTBOX]

NOTE: comment 3.1.3.1 option-level note - insert text from q.3.1.2.1: [INSERT]{qref::q.3.1.2.1.a}

ID: 3.1.3.1

TITLE: Question q.3.1.3.1 title

TEXT: Question q.3.1.3.1 text - numerical cloze with BNF math

NOTE: Math function will subtract 2 from supplied numerical. <br>Value = [INSERT]{qref::q.3.1.3.1.a} <br>Computed value = [INSERT]{qref::q.3.1.3.1.a;; math:: -2}

Question q.3.1.3.1 numerical cloze: [NUMERICAL]

BNF: BNF for question q.3.1.3.1 with math: [INSERT]{qref::q.3.1.3.1.a;; math:: -2}

ID: 3.1.3.3

TITLE: Question q.3.1.3.3 title

TEXT: Question q.3.1.3.3 text - numerical with BNF math

NOTE: Math function will subtract 2 from supplied numerical. <br>Value = [INSERT]{qref::q.3.1.3.3.a} <br>Computed value = [INSERT]{qref::q.3.1.3.3.a;; math:: -2}

[NUMERICAL]

BNF: BNF for question q.3.1.3.3 with math: [INSERT]{qref::q.3.1.3.3.a;; math:: -2}

ID: 3.1.3.2

TITLE: Question q.3.1.3.2 title

TEXT: Question q.3.1.3.2 text - select multi cloze with BNF mod and count - insert text from q.3.1.3.1 [INSERT]{qref::q.3.1.3.1.a}

NOTE: question q.3.1.3.2 note - insert text from q.3.1.3.1 [INSERT]{qref::q.3.1.3.1.a} – count from select multi: [INSERT]{qref::q.3.1.3.2.a;; count::true}.

Question q.3.1.3.2 select multi cloze: [:option 1:option2:option 3:]{default::option (single) list}Insert text from q.3.1.3.1 [INSERT]{qref::q.3.1.3.1.a}

#NOTE: question q.3.1.3.2 response-level note – insert text from q.3.1.3.1 [INSERT]{qref::q.3.1.3.1.a}

BNF: BNF for question q.3.1.3.2 with mod – [INSERT]{qref::q.3.1.3.2.a;; option 1::1;; option2::2; option 3::3} count:[INSERT]{qref::q.3.1.3.2.a;; count::true}.

# Round 2 tests

COMMENT: comment 2 Text - "memo":

INSTRUCTIONS: comment 2 Instructions

NOTE: Round 2 tests Note

[MEMO]

## Title redundancy 2

FIRST question checks group title & question title redundancy when grouping=2; SECOND question checks page title and group title redundancy

COMMENT: basic comment

()option 1

()option 2

**Group title redundancy lvl 2**

COMMENT: basic comment, no options

()option 1

()option 2

ID: 4.1.1

INSTRUCTIONS: check for group title & question title redundancy – **test is applicable** when grouping=2

TITLE: Title redundancy lvl 2

TEXT: Is the grouping = 2?

()Yes

()No

ID: 4.1.1.1

TEXT: Are both the level 2 group title and the question title displayed?

DISPLAY\_WHEN: 4.1.1.A

()Yes – this is a code bug

()No – this is the desired behavior

**Page title redundancy 2**

COMMENT: basic comment

()option 1

()option 2

ID: 4.1.2

INSTRUCTIONS: check for page title and question title redundancy – **test is applicable** when grouping=page

TITLE: Page title redundancy 2

DISPLAY\_WHEN: 4.1.1.B

TEXT: Is the grouping = page?

()Yes

()No

ID: 4.1.2.1

TEXT: Are both the page title and the question title displayed?

DISPLAY\_WHEN: 4.1.2.A

()Yes – this is a code bug

()No – this is the desired behavior

## Logical titles for pages

COMMENT: basic comment

()option 1

()option 2

### Topic A (gr)

INSTRUCTIONS: When **group level = 3**, we want to see the **Topic A (gr)** in the navigation bar and the breadcrumb. This is the current behavior and what is desired.

COMMENT: basic comment

()option 1

()option 2

**Topic A (PG)**

INSTRUCTIONS: When **group level = page**, we don't want to see the **Topic A (gr)** in the navigation bar and the breadcrumb. The last level of group title, e.g., Topic A (gr), is redundant. To achieve this will necessitate a change in what is displayed.

COMMENT: basic comment

()option 1

()option 2

ID: 4.2.1

TITLE: question 4.2.1

TEXT: question for 4.2.1

()option A

()option B

### Topic B (gr)

INSTRUCTIONS: When **group level = 3**, we want to see the **Topic B (gr)** in the navigation bar and the breadcrumb. This is the current behavior and what is desired.

COMMENT: basic comment

()option 1

()option 2

**Topic B (pg)**

INSTRUCTIONS: When **group level = page**, we don't want to see the **Topic B (gr)** in the navigation bar and the breadcrumb. The last level of group title, e.g., Topic B (gr), is redundant. To achieve this will necessitate a change in what is displayed.

COMMENT: basic comment

()option 1

()option 2

ID: 4.2.2

TITLE: topic b question 1.1

TEXT: some question on topic b, 1.1

()option 1

()option 2

## Indenting

INSTRUCTIONS: Testing indenting

COMMENT: basic comment

()option 1

()option 2

**Indenting (pg)**

INSTRUCTIONS: Testing indenting

COMMENT: basic comment

()option 1

()option 2

ID: 4.3

TEXT: Do you want to test indenting?

NOTE: for now, need to manually edit xml to add indent attribute

()Yes

()No

ID: 4.3.1

INDENT: 2

DISPLAY\_WHEN: 4.3.A

TEXT: Is this indented +2?

#NOTE: for now, need to manually edit xml to add indent attribute

()Yes (excellent)

()No (drat - why not?)

ID: 4.3.2

INDENT: 3

DISPLAY\_WHEN: 4.3.A

#NOTE: for now, need to manually edit xml to add indent attribute

TEXT: Is this indented +3?

()Yes (excellent)

()No (drat - why not?)

## Display-when, clone and their interplay check

INSTRUCTIONS: Checking an issue seen with display when and clones, might be a refresh issue

COMMENT: basic comment

()option 1

()option 2

NOTE: Option note for comment

()option 3

**Display-when check**

INSTRUCTIONS: Check display-when

COMMENT: basic comment

()option 1

()option 2

NOTE: option note for comment

()option 3

ID: 4.4.1

TEXT: check display-when?

()Yes

()No

ID: 4.4.1.1

DISPLAY\_WHEN: 4.4.1.A

TEXT: question to display when checking display-when.. did it appear?

()Yes, cool

()No, drat

**Check clones**

COMMENT: basic comment

()option 1

()option 2

ID: 4.4.2

TEXT: Want to check clones?

NOTE: Each option will also generate a bnf statement that should be checked

()Yes

CLONE: q.4.4.2

BNF: Simple bnf statement to test cloned statements

()No

BNF: Simple bnf statement for non-cloned question

**Display-when and clone check (PG)**

INSTRUCTIONS: Checking an issue seen with display when and clones, might be a refresh issue

COMMENT: basic comment

()option 1

()option 2

ID: 4.4.3

TEXT: Do you want to check the interaction of display when and cloning?

()Yes

()No

ID: 4.4.3.1

DISPLAY\_WHEN: 4.4.3.A

TEXT: This is the question that should be displayed when checking the interaction of display\_when and cloning

[]option 1

[]option 2

ID: 4.4.3.2

DISPLAY\_WHEN: 4.4.3.A

TEXT: Do you want to see these last two questions again?

()Yes

CLONE: q.4.4.3.1,q.4.4.3.2

()No

**Clone with Display\_when check**

INSTRUCTIONS: Checking the dynamic when a select\_multi option do display\_whens and then clone the whole thing

COMMENT: What's happening?

[MEMO]

#ID: 4.4.5

#TEXT: Q:4.4.5- Do you want to check a select\_multi clone with display\_when options?

#()Yes

#()No

ID: 4.4.5.1

#DISPLAY\_WHEN: 4.4.5.A

TEXT: Check boxes to see a display\_when option, last choice should make a new question like this one (clone)

[]Box 1

[]Box 2

[]Box 3

[]Box 4

[]Let's see this question again

CLONE: q.4.4.5.1

RESPONSE\_BNF: Question 4.4.5.1, the following were checked: [INSERT]{qref::q.4.4.5.1}

ID: 4.4.5.1.1

#INDENT: 2

DISPLAY\_WHEN: 4.4.5.1.A

DISPLAY\_WHERE: 4.4.5.1.A

TEXT: box 1 new question

()Box 1-option A

BNF: Q.4.4.5 - BNF for [INSERT]{qref::q.4.4.5.1.1.A}

()Box 1-option B

BNF: Q.4.4.5 - BNF for [INSERT]{qref::q.4.4.5.1.1.B}

ID: 4.4.5.1.2

#INDENT: 2

DISPLAY\_WHEN: 4.4.5.1.B

DISPLAY\_WHERE: 4.4.5.1.B

TEXT: box 2 new question

()Box 2-option A

BNF: Q.4.4.5 - BNF for [INSERT]{qref::q.4.4.5.1.2.A}

()Box 2-option B

BNF: Q.4.4.5 - BNF for [INSERT]{qref::q.4.4.5.1.2.B}

ID: 4.4.5.1.3

#INDENT: 2

DISPLAY\_WHEN: 4.4.5.1.C

DISPLAY\_WHERE: 4.4.5.1.C

TEXT: box 3 new question

()Box 3-option A

BNF: Q.4.4.5 - BNF for [INSERT]{qref::q.4.4.5.1.3.A}

()Box 3-option B

BNF: Q.4.4.5 - BNF for [INSERT]{qref::q.4.4.5.1.3.B}

ID: 4.4.5.1.4

#INDENT: 2

DISPLAY\_WHEN: 4.4.5.1.D

DISPLAY\_WHERE: 4.4.5.1.D

TEXT: box 4 new question

()Box 4-option A

BNF: Q.4.4.5 - BNF for [INSERT]{qref::q.4.4.5.1.4.A}

()Box 4-option B

BNF: Q.4.4.5 - BNF for [INSERT]{qref::q.4.4.5.1.4.B}

## CDATA checks

COMMENT: basic comment

()option 1

()option 2

**Checks for CDATA rendering in text-type elements**

INSTRUCTIONS: This check for the DOCX parser (because it is not handling CDATA strings correctly at the moment)

COMMENT: basic comment

()option 1

()option 2

ID: 4.5

TITLE: CDATA check

INSTRUCTIONS: <![CDATA[ <p> Shows that the instructions can have embedded <br> html and stuff.</p> ]]>

#TEXT: simple question format

#TEXT: <![CDATA[ <p> This is a complicated question, with: <ul><li>part 1</li></ul><br>Please pay close attention</p> ]]>

TEXT: <![CDATA[ <p> This is a complicated question, with: <ul><li>part 1</li> <li>part 2, and </li> <li>part 3</li> </ul><br>Please pay close attention</p> ]]>

NOTE: <![CDATA <p>Test for the note - <b><i>bolded and italicized</i><b></p> ]]>

[]Instructions text was formatted

NOTE: <![CDATA[ Thank you for enabling javascript. This is needed to test answers; <code> otherwise, we could get unpredictable displays of data.</code> ]]>

[]Question text was formatted (included list) <![CDATA[ <br><ul><li>part 1</li><li>part 2, and </li><li>part 3</li></ul><br>Again, please pay close attention ]]>

[]Note text was formatted

#RESPONSE\_NOTE: NB: response-level notes are not supported in the app xml parser code, although they are supported by the DOCX parser

## Check 'count' 'mod' and 'insert' functions

#MAKE ANOTHER QUESTION/OPTIONS THAT TESTS INSERTED TEXT IN THE RESPONSE NOTE (SELECT 1/MULTI)

COMMENT: basic comment

()option 1

()option 2

**Count function check**

COMMENT: basic comment

()option 1

()option 2

ID: 4.6.0

TITLE: Gather data

TEXT: Enter the number of character groupings that can be selected to form a password

[NUMERICAL]{default::0} groups are possible

VALIDATION:{gte::q.4.6.1 ;; invalid\_text:: Value should be greater than the number of sets selected below}

ID: 4.6.1

TITLE: Test count fcn

INSTRUCTIONS: The note should show the number of items selected and then the list of items.

TEXT: Which character sets are mentioned in the policy?

NOTE: Select all that apply. <br>[INSERT]{qref::q.4.6.1;; count::true} of 4 sets were chosen. These were: [INSERT]{qref::q.4.6.1}

[]Uppercase letters

[]Lowercase letters

[]Letters (no case specified)

[]Numbers

RESPONSE\_BNF: BNF for 4.6.1>> [INSERT]{qref::q.4.6.1;; count::true} of 4 sets were chosen. These were: [INSERT]{qref::q.4.6.1}

**Insert fcn check**

#MAKE ANOTHER QUESTION/OPTIONS THAT TESTS INSERTED TEXT IN THE RESPONSE NOTE (SELECT 1/MULTI)

COMMENT: basic comment

()option 1

()Choose this option to generate a comment-logged BNF statement

BNF: #Comment-logged BNF

ID: 4.6.2

TITLE: Check 'insert' – all checkboxes

INSTRUCTIONS: 1) select all that apply, then check the NOTE to see which were selected (returned on the 'insert')

TEXT: q.4.6.2: Users may use characters from which of the following types of characters to construct passwords?

NOTE: (select all that apply) <br> The following were selected: [INSERT]{qref:: q.4.6.2}

[]Uppercase letters

[]Lower case letters

[]Letters

[]Numbers

RESPONSE\_BNF: BNF (4.6.2)>> The following were selected: [INSERT]{qref:: q.4.6.2}

ID: 4.6.3

TITLE: 4.6.3: Check 'insert' – returning mixed json

INSTRUCTIONS: 1) select all that apply, then check the NOTE to see which were selected (returned on the 'insert')

TEXT: Users may use characters from which of the following types of characters to construct passwords?

NOTE: (select all that apply) <br> The following were selected: [INSERT]{qref:: q.4.6.3}

[]Uppercase letters

[]Lower case letters

[]Letters

[]Special characters: [TEXTBOX]

[]Numbers

RESPONSE\_BNF: BNF (4.6.3)>> The following were selected: [INSERT]{qref:: q.4.6.3}

ID: 4.6.4

TITLE: Check 'insert' – returning mixed json with mods

INSTRUCTIONS: 1) select all that apply, then check the NOTE to see which were selected (returned on the 'insert')

TEXT: Users may use characters from which of the following types of characters to construct passwords?

NOTE:(select all that apply) <br> The following were selected: [INSERT]{qref: q.4.6.4} <br> And were modified to: [INSERT]{qref: q.4.6.4}[MOD]{q.4.6.4.D: “Special Characters: "[INSERT]{qref:: q.4.6.4.D.a}, q.4.6.4.E: “Numbers”, q.4.6.4.B: “Lowercase Letters", q.4.6.4.C: “Letters", q.4.6.4.A: “Uppercase letters”}

[]Uppercase letters, e.g., ABCD

[]Lower case letters, e.g., abcd

[]Letters, e.g., AbCd

[]Special characters, e.g., # @ + $ etc.: [TEXTBOX]

[]Numbers, e.g. 123

#RESPONSE\_BNF: Test bnf generated for 4.6.4: selected answers were modified to: [INSERT]{qref:: q.4.6.4} <br> And were modified to: [INSERT]{qref:: 4.6.4}[MOD]{q.4.6.4.D: “Special Characters: "[INSERT]{qref: q.4.6.4.D.a}, q.4.6.4.E: “Numbers”, q.4.6.4.B: “Lowercase Letters", q.4.6.4.C: “Letters", q.4.6.4.A: “Uppercase letters”}

## **Validations**

COMMENT: basic comment

()option 1

()option 2

**Pwd Len: Min & Max**

COMMENT: basic comment

()option 1

()option 2

ID: 4.7

TITLE: Check validations – Password Length (Example 1)

TEXT: Are there one or more password length rules?

()Yes

()No

ID: 4.7.1

DISPLAY\_WHEN: 4.7.A

TITLE:

TEXT: Minimum Password Length:

#NOTE: check validation of relationship to "maximum" requirement with must rules (for now)

()Passwords must be*at least* [NUMERICAL]{min::1;; default::0;; invalid\_text:: Supply a value} characters long.

BNF: Users must create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.1.A.a} characters.

()Passwords should be*at least* [NUMERICAL]{min::1 ;; default::0;; invalid\_text:: Supply a value} characters long.

BNF: Users should create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.1.B.a} characters.

()There is *no* *minimum* password length.

ID: 4.7.2.1

DISPLAY\_WHEN: 4.7.1.A

TITLE:

TEXT: Maximum Password Length:

()Passwords must not be more than [NUMERICAL]{min::1 ;; gte::q.4.7.1.A.a ;;invalid\_text:: Must be greater than the minimum value} characters long.

BNF: Users must not create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.2.1.A.a;; math::1} characters.

()Passwords should not be more than [NUMERICAL]{min::1;; gte::q.4.7.1.A.a ;;invalid\_text:: Must be greater than the minimum value } characters long.

BNF: Users should not create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.2.1.B.a;; math::1} characters.

()There is *no maximum* password length.

ID: 4.7.2.2

DISPLAY\_WHEN: 4.7.1.B

TITLE:

TEXT: Maximum Password Length:

()Passwords must not be more than [NUMERICAL]{min::1 ;; gte::q.4.7.1.B.a ;;invalid\_text:: Must be greater than the minimum value} characters long.

BNF: Users must not create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.2.2.A.a;; math::1} characters.

()Passwords should not be more than [NUMERICAL]{min::1;; gte::q.4.7.1.B.a ;;invalid\_text:: Must be greater than the minimum value } characters long.

BNF: Users should not create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.2.2.B.a;; math::1} characters.

()There is *no maximum* password length.

ID: 4.7.2.3

DISPLAY\_WHEN: 4.7.1.C

TITLE:

TEXT: Maximum Password Length:

()Passwords must not be more than [NUMERICAL]{min::1 ;; invalid\_text:: Supply a value} characters long.

BNF: Users must not create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.2.3.A.a;; math::1} characters.

()Passwords should not be more than [NUMERICAL]{min::1;; invalid\_text:: Supply a value } characters long.

BNF: Users should not create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.2.3.B.a;; math::1} characters.

()There is *no maximum* password length.

ID: 4.7.5

TITLE: Check validations – Password Length (Example 2) Note: this one works for Susanne!

TEXT: Are there one or more password length rules?

()Yes

()No

ID: 4.7.6

DISPLAY\_WHEN: 4.7.5.A

TITLE:

TEXT: Minimum Password Length

()There is *no* *minimum* password length.

()Minimum length is [NUMERICAL]{min::1;; default::0;; invalid\_text:: Supply a value }

ID: 4.7.6.1

DISPLAY\_WHEN: 4.7.6.B

DISPLAY\_WHERE: 4.7.6.B

INDENT: 1

()Passwords *must* have this minimum length.

BNF: Users must create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.6.B.a} characters.

()Passwords *should* have this minimum length.

BNF: Users should create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.6.B.a} characters.

ID: 4.7.7

DISPLAY\_WHEN: 4.7.5.A

TITLE:

TEXT: Maximum Password Length

()There is *no* *maximum* password length.

()Maximum length is [NUMERICAL]{min::1;; gte::q.4.7.6.B.a;;default::0;; invalid\_text:: Must be greater than the minimum value }

ID: 4.7.7.1

DISPLAY\_WHEN: 4.7.7.B

DISPLAY\_WHERE: 4.7.7.B

INDENT: 1

()Passwords *must* have this maximum length.

BNF: Users must create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.7.B.a} characters.

()Passwords *should* have this maximum length.

BNF: Users should create passwords with length greater than or equal to [INSERT]{qref:: q.4.7.7.B.a} characters.

**Count validation & select multi**

COMMENT: basic comment

()option 1

()option 2

ID: 4.8.0

TITLE: Gather data

TEXT: Enter the number of character groupings from which characters can be selected to form a password

[NUMERICAL]{eq:: q.4.8.1 ;; invalid\_text:: Value should be equal to the number of sets selected below}

ID: 4.8.1

TITLE: Test count fcn

INSTRUCTIONS: The note should show the number of items selected and then the list of items.

TEXT: Which character sets are mentioned in the policy?

NOTE: Select all that apply. <br>[INSERT]{qref::q.4.8.1;; count::true} of 5 sets were chosen. These were: [INSERT]{qref::q.4.8.1}

[]Uppercase letters

[]Lowercase letters

[]Letters (no case specified)

[]Numbers

[]Special Characters, e.g. @#$: [TEXTBOX]

RESPONSE\_VALIDATION: {required::required}

RESPONSE\_BNF: Test BNF generated for 4.8.1 were: [INSERT]{qref::q.4.8.1;; count::true} of 5 sets were chosen. These were: [INSERT]{qref::q.4.8.1}

## DISPLAY\_where

COMMENT: comment for display\_where (gr 2 lvl)

()option 1

()option 2

**Display\_where**

COMMENT: comment for display\_where (pg lvl)

()option 1

()option 2

ID: 4.9.1

TITLE: Display\_where check for select\_one

TEXT: Choose either option to have a second question open immediately under it:

()option a

()option b

ID: 4.9.1.1

DISPLAY\_WHEN: 4.9.1.A

DISPLAY\_WHERE: 4.9.1.A

TEXT: option a – new, indented sub-question

() A sub-option a

() A sub-option b

ID: 4.9.1.2

DISPLAY\_WHEN: 4.9.1.B

DISPLAY\_WHERE: 4.9.1.B

TEXT: option b – new, indented sub-question

() B sub-option a

() B sub-option b

ID: 4.9.2

TITLE: Display\_where check for select\_multi

TEXT: Choose options to have a second question open immediately under it:

[]option a

[]option b

[]option c

ID: 4.9.2.1

DISPLAY\_WHEN: 4.9.2.A

DISPLAY\_WHERE: 4.9.2.A

TEXT: option a – new, indented sub-question

() A sub-option a

() A sub-option b

ID: 4.9.2.2

DISPLAY\_WHEN: 4.9.2.B

DISPLAY\_WHERE: 4.9.2.B

TEXT: option b – new, indented sub-question

() B sub-option a

() B sub-option b

ID: 4.9.2.3

DISPLAY\_WHEN: 4.9.2.C

DISPLAY\_WHERE: 4.9.2.C

TEXT: option C – new, indented sub-question

This is a whole new option for this display\_when w/ a cloze box: [TEXTBOX]{validation:: avoid the little yellow triangles}

## Clone BNFs

COMMENT: Is there a comment for cloning statements and their associated bnf statements?

()Yes, I have a comment [MEMO]

()No

**Select\_Multi JSON and clones**

COMMENT: Is there a comment regarding JSON when cloning?

()Yes, I have a comment: [MEMO]

()No

ID: 4.10.4

TITLE: Check JSON 'insert' (Note and BNF)

#when checking Justin, add an insert from another question (to check he discriminated which question ids he cloned)

INSTRUCTIONS: 1) select all that apply, then check the NOTE to see which were selected (returned on the 'insert') (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

TEXT: Users may use characters from which of the following types of characters to construct passwords? (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

#NOTE: (select all that apply) <br> The following were selected: [INSERT]{qref:: q.4.10.4}<br>And were modified to: [INSERT]{qref: q.4.10.4}[MOD]{q.4.10.4.D: “Special Characters: "[INSERT]{qref:: q.4.10.4.D.a}, q.4.10.4.E: “Numbers”, q.4.10.4.B: “Lowercase Letters", q.4.10.4.C: “Letters", q.4.10.4.A: “Uppercase letters”} <br><br> Another insert test: (from validations 4.8.1) the values were: [INSERT]{qref::q.4.8.1 ;; count:: true} of 4 sets were chosen. These were: [INSERT]{qref::q.4.8.1} These should be true to their values despite being inserted in a cloned statement.

NOTE: (select all that apply) <br> The following were selected: [INSERT]{qref::q.4.10.4} <br> And were modified to: [INSERT]{qref::q.4.10.4}[MOD]{q.4.10.4.D:: "Special Characters: "[INSERT]{qref::q.4.10.4.D.a}, q.4.10.4.E:: "Numbers", q.4.10.4.B:: "Lowercase Letters", q.4.10.4.C:: "Letters", q.4.10.4.A:: "Uppercase letters"} <br><br> Another insert test: (from validations 4.8.1) the values were: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen. These were: [INSERT]{qref::q.4.8.1}[MOD]{q.4.8.1.E:: "Special Characters: "[INSERT]{qref::q.4.8.1.E.a}, q.4.8.1.C:: "Letters"} These should be true to their (mod'ed) values despite being inserted in a cloned statement.

[]Uppercase letters, e.g., ABCD; (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

NOTE: (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

[]Lowercase letters, e.g., abcd

[]Letters, e.g., AbCd

[]Special characters, e.g., # @ + $ etc.: [TEXTBOX]

[]Numbers, e.g. 123

RESPONSE\_VALIDATION: {required::required;; minlength::2;;invalid\_text::Select two or more character types}

RESPONSE\_BNF: Test bnf generated for 4.10.4: selected answers (not modified): [INSERT]{qref::q.4.10.4}; And were modified to: [INSERT]{qref::q.4.10.4}[MOD]{q.4.10.4.D:: "Special Characters: "[INSERT]{qref::q.4.10.4.D.a}, q.4.10.4.E:: "Numbers", q.4.10.4.B:: "Lowercase Letters", q.4.10.4.C:: "Letters", q.4.10.4.A:: "Uppercase letters"}; (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen. These were: [INSERT]{qref::q.4.8.1}[MOD]{q.4.8.1.E:: "Special Characters: "[INSERT]{qref::q.4.8.1.E.a}, q.4.8.1.C:: "Letters"}.

ID: 4.10.5

TEXT: Is there another group of character sets to be used?

()Yes

CLONE:q.4.10.4,q.4.10.5

()No

**Select\_Single JSON and clones**

COMMENT: Is there a comment regarding JSON when cloning?

()Yes, I have a comment: [MEMO]

()No

ID: 4.10.6

TITLE: Check JSON 'insert'– Select\_one

INSTRUCTIONS: 1) select all that apply, then check the NOTE to see which were selected (returned on the 'insert') (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

TEXT: Users may use characters from which of the following types of characters to construct passwords? (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

NOTE: (select all that apply) <br> The following was selected: [INSERT]{qref::q.4.10.6} <br> And was modified to: [INSERT]{qref::q.4.10.6}[MOD]{q.4.10.6.D:: "Special Characters: "[INSERT]{qref::q.4.10.6.D.a}, q.4.10.6.E:: "Numbers", q.4.10.6.B:: "Lowercase Letters", q.4.10.6.C:: "Letters", q.4.10.6.A:: "Uppercase letters"} <br><br> Another insert test: (from validations 4.8.1) the values were: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen. These were: [INSERT]{qref::q.4.8.1}[MOD]{q.4.8.1.E:: "Special Characters: "[INSERT]{qref::q.4.8.1.E.a}, q.4.8.1.C:: "Letters"} These should be true to their (mod'ed) values despite being inserted in a cloned statement.

()Uppercase letters, e.g., ABCD; (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

NOTE: (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

()Lowercase letters, e.g., abcd

()Letters, e.g., AbCd

()Special characters, e.g., # @ + $ etc.: [TEXTBOX]

()Numbers, e.g. 123

RESPONSE\_BNF: Test bnf generated for 4.10.6: selected answers (not modified): [INSERT]{qref::q.4.10.6}; And were modified to: [INSERT]{qref::q.4.10.6}[MOD]{q.4.10.6.D:: "Special Characters: "[INSERT]{qref::q.4.10.6.D.a}, q.4.10.6.E:: "Numbers", q.4.10.6.B:: "Lowercase Letters", q.4.10.6.C:: "Letters", q.4.10.6.A:: "Uppercase letters"}; (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen. These were: [INSERT]{qref::q.4.8.1}[MOD]{q.4.8.1.E:: "Special Characters: "[INSERT]{qref::q.4.8.1.E.a}, q.4.8.1.C:: "Letters"}.

ID: 4.10.7

TEXT: Is there another group of character sets to be used?

()Yes

CLONE:q.4.10.6,q.4.10.7

()No

**Numerical – json/clones**

COMMENT: Is there a comment regarding JSON when cloning?

()Yes, I have a comment: [MEMO]

()No

ID: 4.10.8

TITLE: Check JSON 'insert'– Numerical

INSTRUCTIONS: Update the count, then check the NOTE to see an update (returned on the 'insert'); (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

TEXT: Users may use characters from which of the following number of character types to construct passwords? (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

NOTE: The following was selected: [INSERT]{qref::q.4.10.8.a} <br> And was modified to +2: [INSERT]{qref::q.4.10.8.a;; math::2}

Enter a number: [NUMERICAL]{required::required;;min::2;; default::2}

RESPONSE\_BNF: The response count was [INSERT]{qref::q.4.10.8.a} for item q.4.10.8.

ID: 4.10.9

INDENT: 2

TEXT: Is there another count to enter?

()Yes

CLONE:q.4.10.8,q.4.10.9

()No

**Textbox – json/clones**

COMMENT: Is there a comment regarding JSON when cloning?

()Yes, I have a comment: [MEMO]

()No

ID: 4.10.10

TITLE: Check JSON 'insert'– Textbox

INSTRUCTIONS: Update the count, then check the NOTE to see an update (returned on the 'insert'); (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

TEXT: Users may use characters from which of the following number of character types to construct passwords? (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

NOTE: The following was selected: [INSERT]{qref::q.4.10.10.a}

[TEXTBOX]{required::required}

RESPONSE\_BNF: The response count was [INSERT]{qref::q.4.10.10.a} for item q.4.10.10.

ID: 4.10.11

INDENT: 2

TEXT: Is there more text to enter?

()Yes

CLONE:q.4.10.10,q.4.10.11

()No

**Memo – json/clones**

COMMENT: Is there a comment regarding JSON when cloning?

()Yes, I have a comment: [MEMO]

()No

ID: 4.10.12

TITLE: Check JSON 'insert'– Memo

INSTRUCTIONS: Update the count, then check the NOTE to see an update (returned on the 'insert'); (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

TEXT: Users may use characters from which of the following number of character types to construct passwords? (from validations 4.8.1) the value was: [INSERT]{qref::q.4.8.1;;count::true} of 5 sets were chosen.

NOTE: The following was selected: [INSERT]{qref::q.4.10.12.a}

[MEMO]{required::required}

RESPONSE\_BNF: The response count was [INSERT]{qref::q.4.10.12.a} for item q.4.10.12.

ID: 4.10.13

INDENT: 2

TEXT: Is there another block of text to enter?

()Yes

CLONE:q.4.10.12,q.4.10.13

()No