

Full Layout

Q	
Rank	Rank
<input checked="" type="checkbox"/> Record 1 Sub A	Sub C Sub A
<input checked="" type="checkbox"/> Sub B 131 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Sub B 3
Sub C	Sub G
<input type="checkbox"/> Record 2 Sub D	Sub H
Sub E	Sub E
Sub F	Sub N
Sub G	Sub I
Sub H	Sub M
<input type="checkbox"/> Record 3	Sub D
<input type="checkbox"/> Record 4	Sub Q
Sub K	Sub L
Sub L	Sub R
Sub M	Sub K
<input type="checkbox"/> Record 5	Sub F
Sub N	Sub P
Sub O	Sub T
Sub P	Sub V
Sub Q	Sub J
Sub R	Sub O
Sub S	Sub U
Sub T	Sub S

Record 1
Sub B

choice
Wrong Choice ☒
☒ Invalid
choice
Right Choice

Subrecord ID: Sub B
Color: Blue
Shape: Circle

Full Layout (Disabled Text Boxes)

Q	
Rank	Inc.
Record 1 Sub A	
Record 2 Sub B Sub C Sub D Sub E Sub F Sub G Sub H Record 3 Record 4 Sub K Sub L Sub M Record 5 Sub N Sub O Sub P Sub Q Sub R Sub S Sub T	131 <input checked="" type="checkbox"/>
Sub G Sub A Sub B Sub G Sub H Sub E Sub N Sub H Sub M Sub D Sub Q Sub L Sub R Sub K Sub F Sub P Sub T Sub V Sub S Sub O Sub U Sub S	3

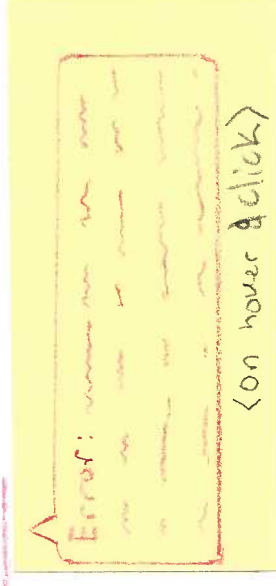
Record 1 Sub B	
Subrecord ID Sub B color Blue shape Circle	choice Wrong Choice Disputed choice Right Choice

- Invalid Field with Long Error Message

Choice

Wrong Choice! ?

① Invalid



- Text Input Format (from CDK)

Favorite food

↑ Inactive & Empty



Favorite food

Sushi

↑ Active with Entry
• Label floats up above field
Showing cursor

Validation Option #1

Q

Record 1
Sub A
Sub B
Sub C

Sub C
Sub A
Sub B

choice
Wrong Choice
Invalid
choice
Right Choice

Q	
① Record 1 Sub A ② Sub B Sub C	Sub C Sub A ② Sub B

Record 1 Subrecord B		choice Wrong Choice ② ② Invalid choice Right Choice
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Validation Option #3

Q	
❗ Record 1 Sub A ❗ Sub B Sub C	Sub C Sub A ❗ Sub B

Record 1
Subrecord B

1

choice
Wrong Choice ?
❗ Invalid
choice
Right Choice

Validation : Option #4 A

Q	
② Record 1 Sub A ① Sub B Sub C	Sub C Sub A ① Sub B

Record 1 Sub B	Subword ID: Sub B Color: Blue Shape: circle	choice Wrong Choice ② ③ Invalid choice Right Choice
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Validation : Option #4 B

Q	
<div><div>❶ Record 1</div><div><div>Sub C</div><div>Sub A</div><div>❷ Sub B</div></div></div>	

Errors:

- Record 1: choice 2

- Subrecord B: choice 1

<div>Record 1</div> <div>Sub B</div>	<div><div>choice</div><div>Wrong Choice</div><div>❸ Invalid</div><div>choice</div><div>Right Choice</div></div> <div>❹</div>
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Compression Icon Options

Q		
Rank	Inc.	Comp Rank
<input checked="" type="checkbox"/> Record 1		Sub G
Sub A		Sub A
<input checked="" type="checkbox"/> Sub B	131 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Sub B 3
Sub C		Sub G
<input type="checkbox"/> Record 2		Sub H
Sub D		Sub E
Sub E		Sub N
Sub F		Sub I
Sub G		Sub M
Sub H		Sub D
<input type="checkbox"/> Record 3		Sub Q
<input type="checkbox"/> Record 4		Sub L
Sub K		Sub R
Sub L		
Sub M		Sub K
<input type="checkbox"/> Record 5		Sub F
Sub N		Sub P
Sub O		Sub T
Sub P		Sub V
Sub Q		
Sub R		Sub S
Sub S		Sub O
		Sub U
		Sub S

3		
Record 2		
Sub B		
Sub Record ID		
Sub B		
color		
Blue		
shape		
Circle		
Choice		
Sub AB		
Sub AC		
Sub AD		
Choice		
Sub B		

Filtering Menu Example

=		q
<input type="checkbox"/> Record 1 Sub A Sub B <input type="checkbox"/> Record 2 Sub C		Sub B Sub A Sub C

Filtering Menu Example

q	
Text Filters	Sub B Sub A Sub C
<div><div>q</div><div><input type="checkbox"/> Select All</div><div><input type="checkbox"/> Record 1</div><div><input type="checkbox"/> Sub A</div><div><input type="checkbox"/> Sub B</div><div><input type="checkbox"/> Record 2</div><div><input type="checkbox"/> Sub C</div></div>	

Basic Multi-Select Behavior: 2 Items

Q		
	Rank Inc.	Rank
<input type="checkbox"/> Record 1		
Sub AA	↓↑ <input checked="" type="checkbox"/>	Sub AA
Sub AB		Sub D
Sub AC	↓50↑ <input checked="" type="checkbox"/>	Sub E
Sub AD		Sub F
Sub AE		Sub J
<input type="checkbox"/> Record 2		Sub K
Sub BA		Sub L
Sub BB		Sub M
Sub BC		Sub N
Sub BD		Sub O
Sub BE		Sub P
<input type="checkbox"/> Record 3		Sub Z
Sub CA		Sub AC
Sub CB		Sub G
Sub CC		Sub H
<input type="checkbox"/> Record 4		Sub I
<input type="checkbox"/> Record 5		Sub Q
<input type="checkbox"/> Record 6		Sub R
Sub A		Sub S
Sub B		Sub T
Sub C		Sub U
		Sub V
		Sub W

-50%

- Line break is at 50%
- Equal number of items above and below line break
- Selected items are at the top of each section

Basic Multi-Select Behavior: 3 Items

Q		
Bank Inc.	Rank	
<input type="checkbox"/> Record 1		Sub AA
Sub AA	↓1↑ <input checked="" type="checkbox"/>	Sub D
Sub AB		Sub E
Sub AC	↓50↑ <input checked="" type="checkbox"/>	Sub E
Sub AD		Sub J
Sub AE		Sub K
<input type="checkbox"/> Record 2		Sub L
Sub BA		Sub ZA ...
Sub BB	↓100↑ <input checked="" type="checkbox"/>	Sub AC 50
Sub BC		Sub G
Sub BD		Sub H
Sub BE		Sub I
<input type="checkbox"/> Record 3		Sub Q
Sub CA		Sub R
Sub CB		Sub C
Sub CC		Sub ZB ...
<input type="checkbox"/> Record 4		Sub BB 100
<input type="checkbox"/> Record 5		Sub ZC
<input type="checkbox"/> Record 6		Sub ZD
Sub A		Sub ZE
Sub B		Sub ZF
Sub C		Sub ZG

-33%

-66%

Q			Rank
<input type="checkbox"/> Record 1	Rank Inc. ↓↑	Sub AA	1
Sub AB		Sub D	
Sub AC	↓50↑	Sub E	
Sub AD		Sub F	
Sub AE		Sub G	
<input type="checkbox"/> Record 2		Sub H	
Sub BA		Sub I	
Sub BB	↓100↑	Sub J	
Sub BC		Sub K	
Sub BD		Sub L	
Sub BE		Sub M	
<input type="checkbox"/> Record 3		Sub N	
Sub CA		Sub O	
Sub CB		Sub P	
Sub CC	↓75↑	Sub Q	
<input type="checkbox"/> Record 4		Sub R	
<input type="checkbox"/> Record 5		Sub S	
<input type="checkbox"/> Record 6		Sub T	
Sub A		Sub U	
Sub B		Sub V	
Sub C		Sub W	

-25%

-50%

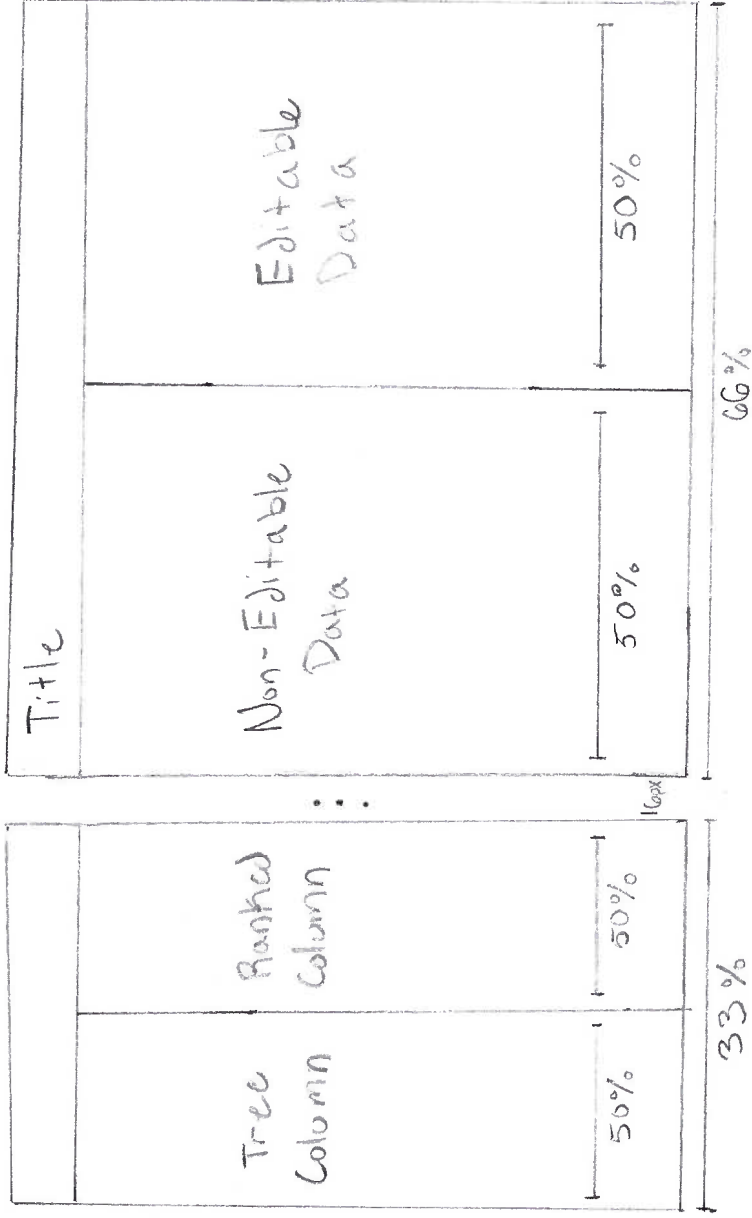
-75%

Basic Multi-Select Behavior: 5 + Items

Q		
	Bank Inc.	Bank
<input type="checkbox"/> Record 1		
Sub AA	↑ 1↑ <input checked="" type="checkbox"/>	Sub AA 1
Sub AB		Sub BC 25
Sub AC	↓ 50↑ <input checked="" type="checkbox"/>	Sub AC 50
Sub AD		Sub CC 75
Sub AE		Sub BB 100
<input type="checkbox"/> Record 2		
Sub BA		
Sub BB	↓ 100↑ <input checked="" type="checkbox"/>	
Sub BC	↓ 25↑ <input checked="" type="checkbox"/>	
Sub BD		
Sub BE		
<input type="checkbox"/> Record 3		
Sub CA		
Sub CB		
Sub CC	↓ 75↑ <input checked="" type="checkbox"/>	
<input type="checkbox"/> Record 4		
<input type="checkbox"/> Record 5		
<input type="checkbox"/> Record 6		
Sub A		
Sub B		
Sub C		

- Upon selection of 5 or more items, all break points and other items fall away, leaving only the selected items.

Defined Dimensions & Customizable Layout



- Users can click and drag the ":" between cards left or right to change the above card size ratios

Rank Number
always visible.

Check box and arrows
only appear on Mouse-
over or Selected

a	
Rank Include	Rank
<input type="checkbox"/> Record 1	Sub D (Rec 2)
Sub A	4
<input checked="" type="checkbox"/> Sub B	5
Sub C	6
<input type="checkbox"/> Record 2	Sub D (Rec 1) 8
Sub D	9
Sub E	10
<input type="checkbox"/> Record 3	Sub J (Rec 4)
Sub F	11
Sub G	13
Sub H	2
Sub I	3
<input checked="" type="checkbox"/> Record 4	Sub L (Rec 5)
Sub J	7
<input type="checkbox"/> Record 5	Sub C (Rec 1)
Sub K	12
Sub L	
Sub M	

Both rank number
with arrows and
include check box
appear on mouse over
or selected.

Q	
Rank Include	Rank
<input type="checkbox"/> Record 1	Sub D (Rec 2)
Sub A	Sub A (Rec 1)
Sub B $\uparrow 8 \uparrow$ <input checked="" type="checkbox"/>	Sub F (Rec 3)
Sub C	Sub M (Rec 5)
<input type="checkbox"/> Record 2	Sub B (Rec 1) 8
Sub D	Sub H (Rec 3)
Sub E	Sub I (Rec 3)
<input type="checkbox"/> Record 3	Sub J (Rec 4)
Sub F	Sub E (Rec 2)
Sub G	Sub K (Rec 5)
Sub H	Sub G (Rec 3)
Sub I $\uparrow 10 \uparrow$ <input checked="" type="checkbox"/>	Sub L (Rec 5)
<input type="checkbox"/> Record 4	Sub C (Rec 1)
Sub J	
<input type="checkbox"/> Record 5	
Sub K	
Sub L	
Sub M	

Ranked List Accordion Behavior

9

<div>Record 1</div> <div>Sub X</div> <div>Sub Y</div> <div>Sub Z</div> <div>Record 2</div> <div>Sub G</div> <div>Sub I</div> <div>Sub AM</div> <div>Sub BG</div> <div>Sub K</div> <div>Sub AA</div> <div>Record 3</div> <div>Record 4</div> <div>Record 5</div> <div>Sub BD</div> <div>Sub S</div> <div>Sub AK</div> <div>Sub E</div> <div>Record 6</div> <div>Sub AB</div>	<div>Sub A</div> <div>Sub B</div> <div>Sub C</div> <div>Sub D</div> <div>Sub E</div> <div>Sub F</div> <div>Sub G</div> <div>Sub H</div> <div>Sub I</div> <div>Sub J</div> <div>Sub K</div> <div>Sub L</div> <div>Sub M</div> <div>Sub N</div> <div>Sub O</div> <div>Sub P</div> <div>Sub Q</div> <div>Sub R</div> <div>Sub AA</div> <div>Sub AB</div> <div>Sub BA</div> <div>Sub BB</div>
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Q	
Record 1	Sub S
Sub X	Sub T
Sub Y	Sub U
Sub Z	Sub V
Record 2	Sub W
Sub G	Sub X
Sub I	Sub Y
Sub AM	Sub Z
Sub BG	Sub A A
Sub K	Sub A B
Sub AA	Sub A C
Record 3	Sub A D
Record 4	Sub A E
Record 5	Sub A F
Sub BD	Sub A G
Sub J	Sub A H
Sub AK	Sub A I
Sub E	Sub A J
Record 6	Sub A K
Sub AB	Sub A L
	Sub B A
	Sub B B

9	
Record 1	Sub Y
Sub X	Sub Z
Sub Y	
Sub Z	Sub AT
Record 2	Sub AU
Sub G	Sub AV
Sub I	Sub AW
Sub AM	Sub AX
Sub BG	Sub AY
Sub K	Sub AZ
Sub AA	
Record 3	Sub BA
Record 4	Sub BB
Record 5	Sub BC
Sub BD	Sub BD
Sub B	Sub BE
Sub AK	Sub BF
Sub E	Sub BG
Record 6	Sub BH
Sub AB	Sub BI
	Sub BJ
	Sub BK
	Sub BL

Click-and-Drag With Top & Bottom on Drop Points

Q	
<div>Record 1</div> <div>Sub X</div> <div>Sub Y</div> <div>Sub Z</div> <div>Record 2</div> <div>Sub G</div> <div>Sub I</div> <div>Sub AM</div> <div>Sub BG</div> <div>Sub K</div> <div>Sub AA</div> <div>Record 3</div> <div>Record 4</div> <div>Record 5</div> <div>Sub BD</div> <div>Sub J</div> <div>Sub AK</div> <div>Sub E</div> <div>Record 6</div> <div>Sub AB</div>	<div>Drop to Include</div> <div>Sub J</div> <div>Sub T</div> <div>Sub U</div> <div>Sub V</div> <div>Sub W</div> <div>Sub X</div> <div>Sub Y</div> <div>Sub Z</div> <div>Sub AA</div> <div>Sub AB</div> <div>Sub AC</div> <div>Sub AD</div> <div>Sub AE</div> <div>Sub AF</div> <div>Sub AG</div> <div>Sub AH</div> <div>Sub AI</div> <div>Sub AJ</div> <div>Sub AK</div> <div>Sub AL</div> <div>Sub BA</div> <div>Drop to Exclude</div>

Include Drop Point: Subrecord dropped here is included and is placed at its rank in the included section

As a Subrecord is dragged up & down, a highlighted line follows along showing where in the list order it will be dropped. When dropped this way, its rank (and the rank of subs below/above it) will change along with a possible include/exclude change.

When Subrecord is picked up, original placement is grayed out
Exclude Drop Point: Subrecord dropped here is excluded and placed in the exclude section at same rank

Scrolling/Drop-Point Option

Q	
<input type="checkbox"/> Record 1 Sub X Sub Y Sub Z <input type="checkbox"/> Record 2 Sub G Sub I Sub AM Sub BG Sub K Sub AA <input type="checkbox"/> Record 3 <input type="checkbox"/> Record 4 <input type="checkbox"/> Record 5 Sub BD Sub J Sub AK Sub E <input type="checkbox"/> Record 6 Sub AB	<div>Include</div> Sub A Sub B Sub C Sub D Sub E Sub F Sub G Sub H Sub I Sub J Sub K Sub L Sub M Sub N Sub O Sub P Sub Q Sub R Sub S Sub T
	<div>Og + Og Bounds</div>
	<div>Exclude</div>

- "Include/Out of Bounds/Exclude" tabs can be used as drop points for click-and-drag functionality.
- These also show the user what section is currently taking up most of the viewing area. The coloring/hilght will change as a user scrolls.

Q				
<input type="checkbox"/> Record 1 Sub X Sub Y Sub Z <input type="checkbox"/> Record 2 Sub G Sub I Sub AM Sub BG Sub K Sub AA <input type="checkbox"/> Record 3 <input type="checkbox"/> Record 4 <input type="checkbox"/> Record 5 Sub BD Sub J Sub AK Sub E <input type="checkbox"/> Record 6 Sub AB	Include		Sub X Sub Y Sub Z	
			Sub AA Sub AB Sub AC Sub AD Sub AE Sub AF Sub AG Sub AH Sub AI Sub AS Sub AK Sub AL Sub AM Sub AN Sub AO Sub AP	
		Out of Bounds		
		Exclude		

Q			
<input type="checkbox"/> Record 1 Sub X Sub Y Sub Z <input type="checkbox"/> Record 2 Sub G Sub I Sub AM Sub BG Sub K Sub AA <input type="checkbox"/> Record 3 <input type="checkbox"/> Record 4 <input type="checkbox"/> Record 5 Sub BD Sub J Sub AK Sub E <input type="checkbox"/> Record 6 Sub AB	Include	Sub AX	
		Sub AY	
		Sub AZ	
	Out of Bounds	Sub BA	
		Sub BB	
		Sub BC	
		Sub BD	
		Sub BE	
		Sub BF	
		Sub BG	
		Sub BH	
		Sub BI	
		Sub BJ	
		Sub BK	
		Sub BL	
		Sub BM	
		Sub BN	
		Sub BO	
		Sub BP	
		Sub BQ	
	Exclude	Sub BR	
		Sub BS	
		Sub BT	
		Sub BU	
		Sub BV	
		Sub BW	
		Sub BX	
		Sub BY	
		Sub BZ	
		Sub CA	
		Sub CB	
		Sub CC	
		Sub CD	
		Sub CE	
		Sub CF	
		Sub CG	