

σ

Q		Rank
Sub C	Sub A	3
Sub B	Sub D	3
Sub E	Sub F	3
Sub G	Sub H	3
Sub I	Sub J	3
Sub K	Sub L	3
Sub M	Sub N	3
Sub O	Sub P	3
Sub Q	Sub R	3
Sub S	Sub T	3
Sub U	Sub V	3
Sub W	Sub X	3
Sub Y	Sub Z	3

Sub-B

Sha pu: circle

Pinus

Right Choice

Full Layout (Disabled Text Boxes)

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 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 S
Sub R	Sub O
Sub T	Sub U
	Sub S

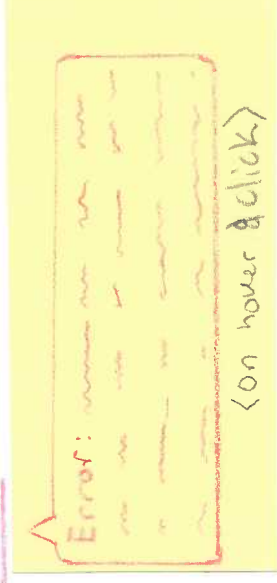
Record 1 Sub B	
Subrecord ID Sub B	
Color Blue	
Shape Circle	
	Choice Wrong Choice <input checked="" type="radio"/> <input checked="" type="radio"/> Invalid choice Right Choice

- Invalid Field with Long Error Message

choice

Wrong Choice! ?

❶ 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

Record 1 ❑ Sub record B		choice <u>Wrong Choice</u> ❑ ❑ Invalid choice Right Choice
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Validation Option #2

Q	
Ⓢ Record 1 Sub A Ⓢ Sub B Sub C	Sub C Sub A Ⓢ Sub B

Record 1 Subrecord B	<div>choice Wrong Choice ①</div> <div>choice Right Choice ②</div>
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Validation Option #3

Q

❗ Record 1
Sub A
❗ Sub B
Sub C

Sub C
Sub A
❗ Sub B

choice
Wrong Choice
❗ Invalid
choice
Right Choice

Record 1

Subrecord B

1

2

Validation : Option #4 A

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

<div>Record 1</div> <div>Sub B</div>	<div>Subword ID: Sub B</div> <div>Color : Blue</div> <div>Shape: circle</div>	<div>choice</div> <div><u>Wrong Choice</u></div> <div>① Invalid</div> <div>choice</div> <div>Right Choice</div> <div>②</div>
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Validation : Option #4 B

Q	
② Record 1	Sub C Sub A ① Sub B
<div>Errors: - Record 1: choice 2 - Subrecord B: choice 1</div>	

Record 1 Sub B	
Subrecord ID: Sub B Color: Blue Shape: circle	choice <u>Wrong Choice</u> ? ① Invalid choice Right Choice

Compression Icon Options

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

Record 1 Sub B	3
Subrecord ID Sub B	choice No Choice <input checked="" type="checkbox"/>
Color Blue	Sub AB
Shape Circle	Sub AC
	Sub AD
	Sub AE
	Sub AF
	ht Choice

Filtering Menu Example

<div><div></div><div>q</div></div>	
<div><div><div>Record 1</div><div>Sub A</div><div>Sub B</div></div><div><div>Record 2</div><div>Sub C</div></div></div>	<div><div>Sub B</div><div>Sub A</div><div>Sub C</div></div>

Filtering Menu Example

☐ Select All

☐ Record 1

☐ Sub A

☐ Sub B

☐ Record 2

☐ Sub C

CANCEL ACCEPT

Text Filters

☐

☐

Sub B

Sub A

Sub C

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		
Rank Inc.	Rank	
<input type="checkbox"/> Record 1	Sub AA	1
Sub AA ↓↑ <input checked="" type="checkbox"/>	Sub D	
Sub AB	Sub E	
Sub AC ↓50↑ <input checked="" type="checkbox"/>	Sub F	
Sub AD	Sub J	
Sub AE	Sub K	
<input type="checkbox"/> Record 2	Sub L	
Sub BA	Sub ZA ...	-33%
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 S	
Sub CC	Sub ZB ...	-66%
<input checked="" type="checkbox"/> Record 4	Sub BB	100
<input checked="" 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	

Basic Multi-Select Behavior: 4 Items

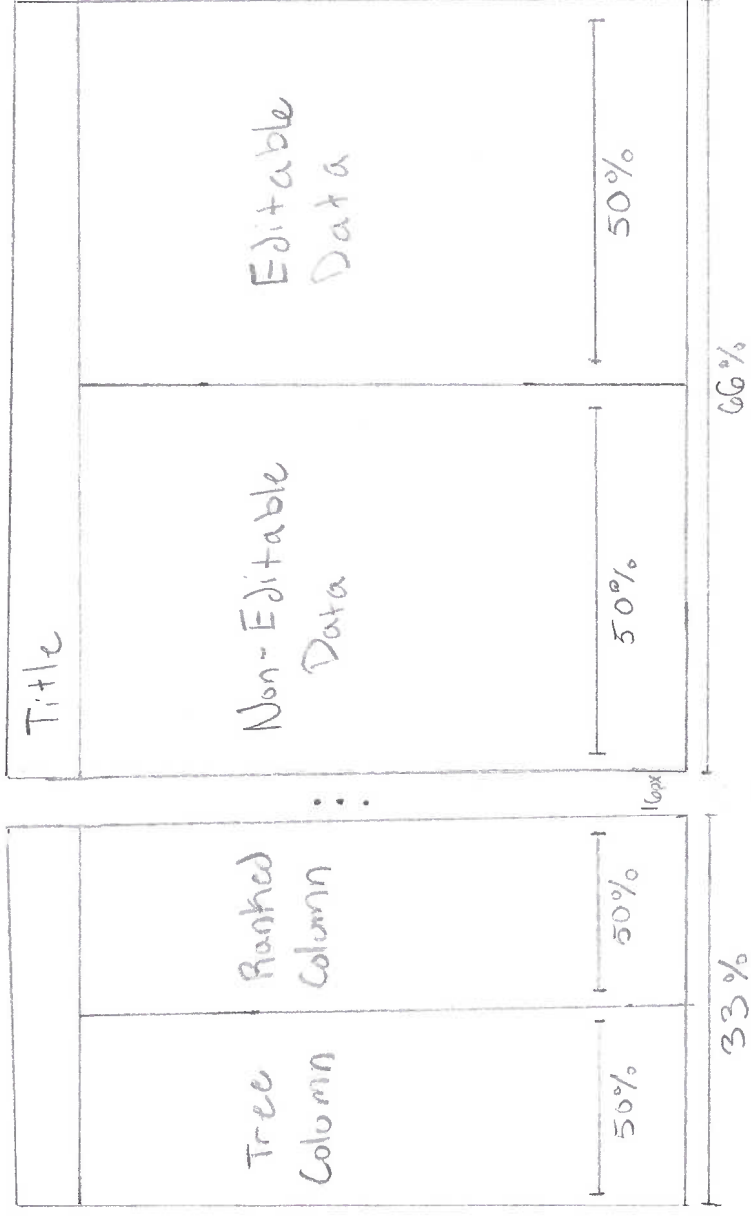
q		
Record	Rank Inc.	Rank
Record 1		
Sub AA	↓ 1 ↑ <input checked="" type="checkbox"/>	Sub AA 1
Sub AB		Sub D
Sub AC	↓ 50 ↑ <input checked="" type="checkbox"/>	Sub E
Sub AD		Sub F
Sub AE		Sub G
Record 2		
Sub BA		Sub H
Sub BB	↓ 100 ↑ <input checked="" type="checkbox"/>	Sub I
Sub BC		Sub J
Sub BD		Sub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

Basic Multi-Select Behavior: 5 + Items

9		
	Rank Inc.	Rank
<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

9			
Rank	Index	Rank	
Record 1			
Sub A	4	Sub D (Rec 2)	1
Sub B	18 ↑	Sub A (Rec 1)	4
Sub C	12	Sub F (Rec 3)	5
Record 2		Sub M (Rec 5)	6
Sub D	1	Sub B (Rec 1)	8
Sub E	13	Sub H (Rec 3)	9
Record 3		Sub I (Rec 3)	10
Sub F	5	Sub J (Rec 4)	11
Sub G	3	Sub E (Rec 2)	13
Sub H	9	Sub K (Rec 5)	2
Sub I	10 ↑	Sub G (Rec 3)	3
Record 4		Sub L (Rec 5)	7
Sub J	11	Sub C (Rec 1)	12
Record 5			
Sub K	2		
Sub L	7		
Sub M	6		

Ranked List Accordion Behavior

9

Record 1
Sub X
Sub Y
Sub Z
Record 2
Sub G
Sub I
Sub AM
Sub BG
Sub K
Sub AA
Record 3
Record 4
Record 5
Sub BD
Sub J
Sub AK
Sub E
Record 6
Sub AB

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 AA
Sub AB
Sub BA
Sub BB

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 S</div> <div>Sub AK</div> <div>Sub E</div> <div>Record 6</div> <div>Sub AB</div>	<div>Sub S</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 A A</div> <div>Sub A B</div> <div>Sub A C</div> <div>Sub A D</div> <div>Sub A E</div> <div>Sub A F</div> <div>Sub A G</div> <div>Sub A H</div> <div>Sub A I</div> <div>Sub A J</div> <div>Sub A K</div> <div>Sub A L</div> <div>Sub BA</div> <div>Sub BB</div>

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