Landing Page - Bit field list

Result Data

Overall value

Binary	Hex	Decimal

1 ⇕	1 ⇕	1 ⇕	1 ⇕	1 ⇕	1 ⇕	1 ⇕	1 ⇕
7	6	5	4	3	2	1	0

Field values

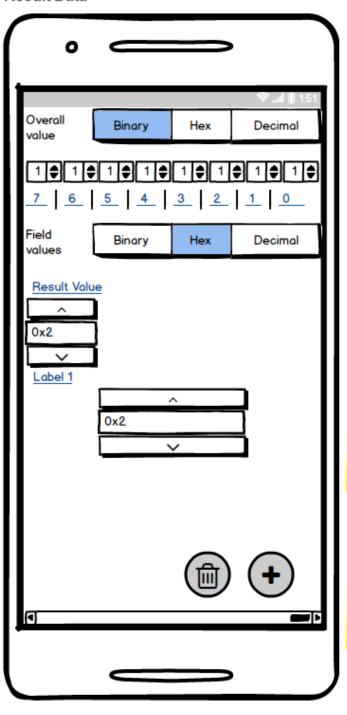| Binary	Hex	Decimal

Result Value

⌃

0x2
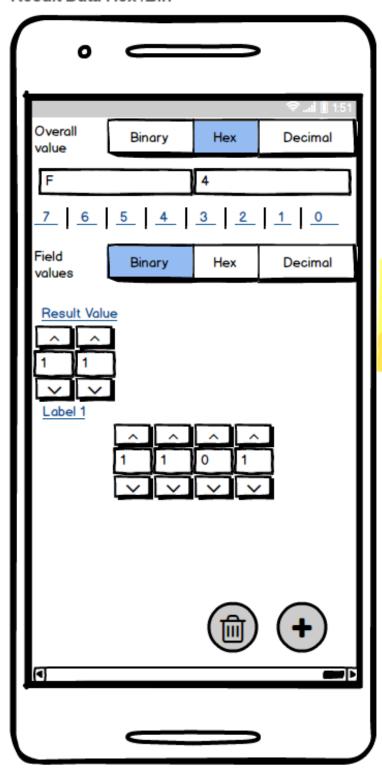
⌄

Label 1

⌃

0x2

⌄

🗑 ⊕

The number spinners - the arrows are above and below the number - it is posible to edit the text (but its either 1 or 0!)

The Fields are text boxs aligned with the bits (these are always present) have up/down arrows, the width of the arrows is to the bit (binary), nibble (hex) or digit (decimal - or maybe no arrows when decimal.. can it have a fixed width?) the value can be edited by a keyboard and always bound to the bit width.. the whole field background is a solid colour - this colours is repeated for the bits (visible in the overall value section)
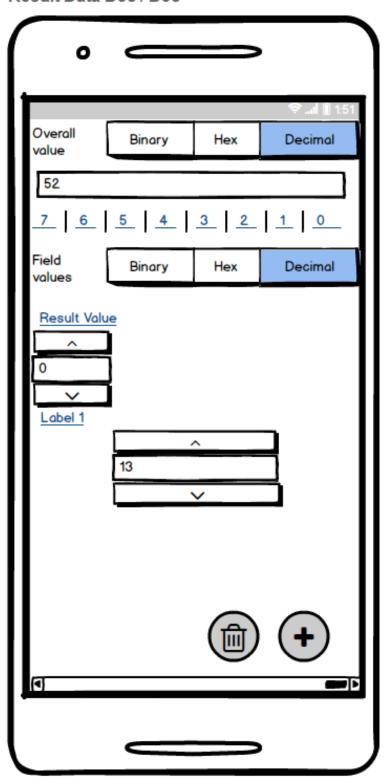
The field names - these are always on the left - the arrows and values these scroll

The scroll bar allows us to scroll large numbers - 64 bit numbers will be fairly wide

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Overall value

Binary	Hex	Decimal

F	4

7 | 6 | 5 | 4 | 3 | 2 | 1 | 0

Field values

Binary	Hex	Decimal

Result Value

^	^
1	1
v	v

Label 1

^	^	^	^
1	1	0	1
v	v	v	v

🗑 ➕

We want to be able to type in numbers like 0XF4 - so there is only one text field.. a line is drawn between nibbles and the text is spread out but you can still type a hex value across the entire overall value, not sure what happens when the view needs to scroll - want to see the whole value... maybe have a readonly hex always visible?

Arrows above and below hex value... but easier to use keboard to edit... the hex view split into nibbles (oxF)

Result Data Dec / Dec

Overall value

Binary	Hex	Decimal

52

7 | 6 | 5 | 4 | 3 | 2 | 1 | 0

Field values

Binary	Hex	Decimal

Result Value

∧

0

∨

Label 1

∧

13

∨

🗑 ⊕

Cannot think of a way of splitting up a decimal number... so its always just one field, edit using keyboard, but the arrow keys scroll through the available range, the result value starts at 0 ends at 3 , the overall starts at 0 ends at 255? or unbounded?

The hex/bin fields are coloured to match the fields.. the decimal overall is not. -