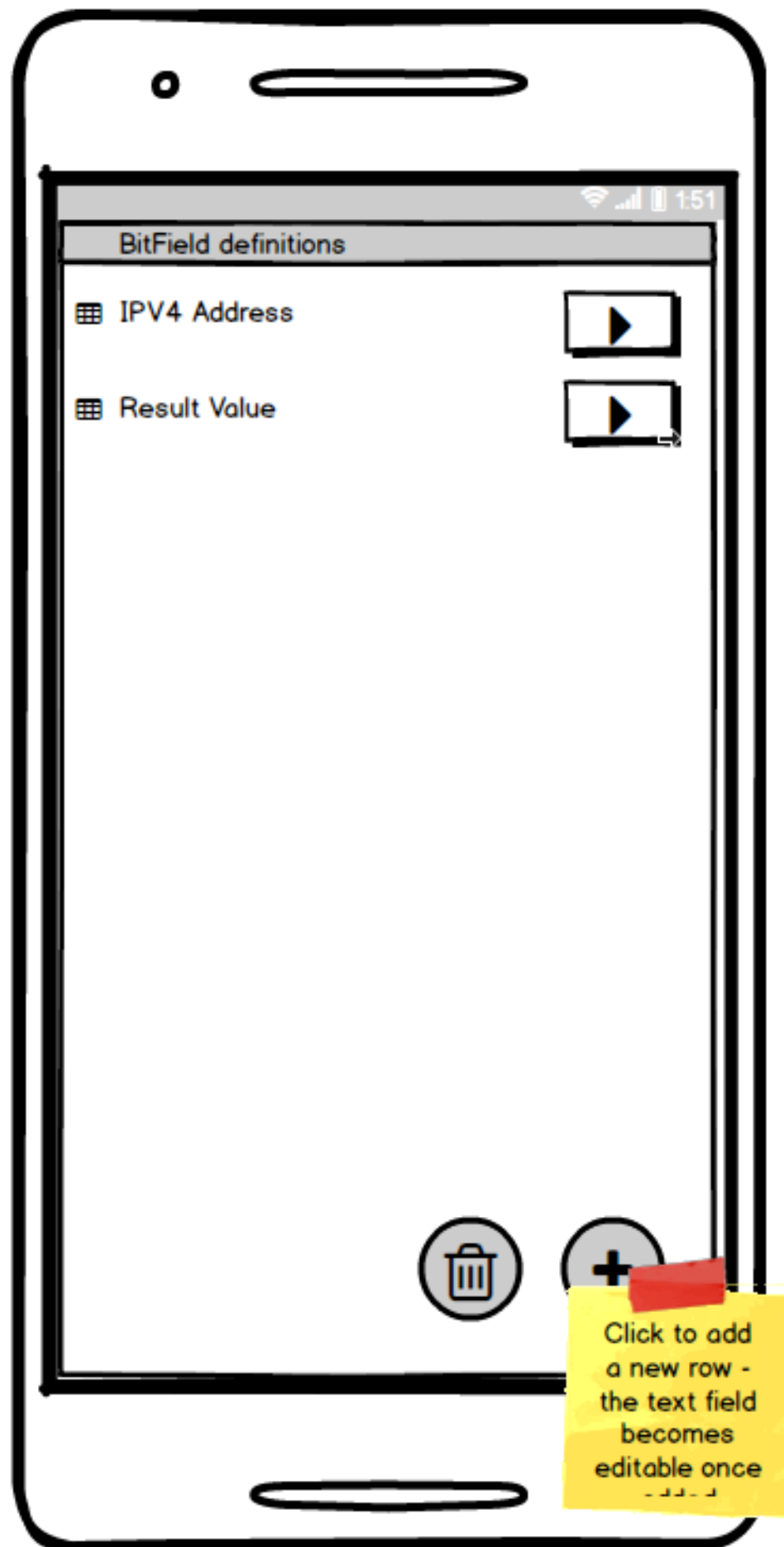


## Landing Page - Bit field list



## 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 possible to edit the text (but its either 1 or 0!)

The Fields are text boxes 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

## Result Data Hex /Bin

The mockup shows a smartphone interface with a status bar at the top displaying signal strength, Wi-Fi, and the time 1:51. The main content area is divided into two sections. The top section, labeled 'Overall value', has three tabs: 'Binary', 'Hex' (which is selected), and 'Decimal'. Below the tabs are two text input fields; the first contains 'F' and the second contains '4'. Underneath these fields is a row of eight checkboxes labeled 7, 6, 5, 4, 3, 2, 1, and 0 from left to right. The bottom section, labeled 'Field values', also has three tabs: 'Binary' (selected), 'Hex', and 'Decimal'. Below the tabs is a section titled 'Result Value' containing a 2x2 grid of controls. Each control consists of an up arrow, a text field (containing '1', '1', '1', and '1' respectively), and a down arrow. Below this is a section titled 'Label 1' containing a 2x4 grid of similar controls. The text fields in this grid contain '1', '1', '0', and '1' respectively. At the bottom of the screen are two circular icons: a trash can and a plus sign. A scrollbar is visible at the very bottom of the screen.

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 keyboard to edit.. the hex view split into nibbles (oxF)

Overall value

BinaryHexDecimal

52

76543210

Field values

BinaryHexDecimal

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. -