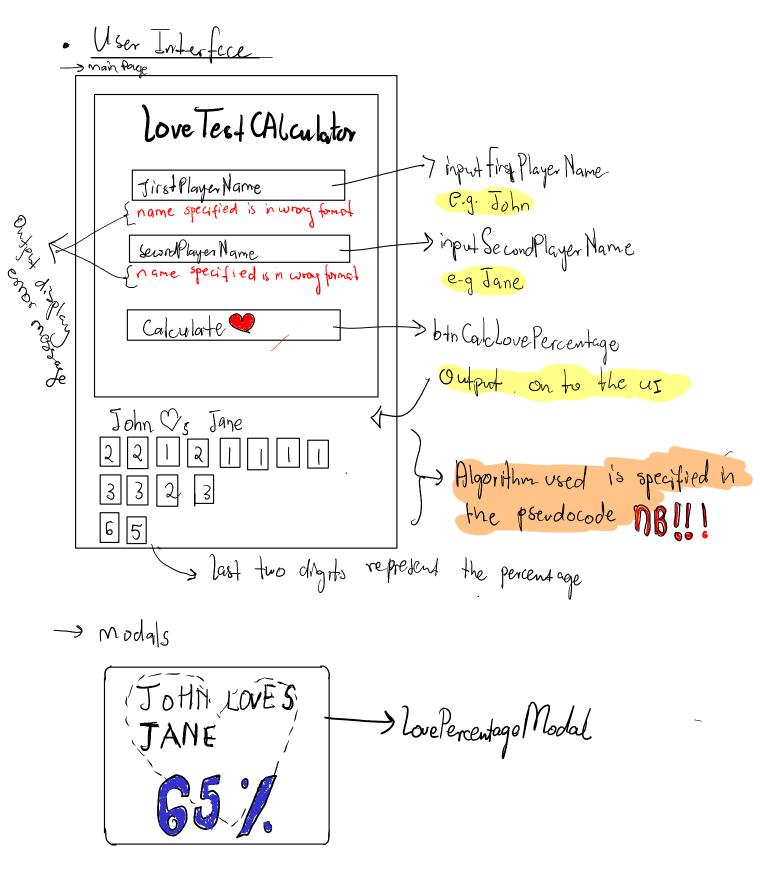
Love Test Calculator (DESIGN)

<u>Kequirements</u> - Inputs Constraints DataType
-> first Player Name 2 < Cherlength ≤ 100 String
-> Second Player Name 2 < Cherlength ≤ 100 String · Outputs

Key-value

> An array of objects representing a character-count pairs of all characters of the combined words (names) E.g. first Player Name = John Second Mayer Name = Jane Johnloves Jane -> is the combination There are 25, 20, 11, 2h, 2h, 11, 14, 2e, 1a thus the corresponding list will be [{character: I' count: 25, { Characteri'o'; Count: 2} { character: h; count: 1} { Character: 'n'; Count: 2} {Character: L; count: 1} { Character: 'V'; Count: 1} {Character: 1e countil} Echaracter; a countil ?

he above list is the first list to be displayed in the UI but only the 'count' values



PSEUDO CODE

- · first Player Name = user Input from textbox
- · SecondPlagarMamet user Input from tertbox
- · doin the two strings with "loves" in the middle
- · Count each character from the string and store each character's Key-"character" and count-"number of each character"
- · Extract Only the count values & otore in a separate array
- · mount the extracted count values to the UI

IV lain Algorithm: Add First & Last List Elements

- · for i=0 to halfway the worthstlength

 - add the first and the last Elements of the count list length and store the sum in a new array. If there's only one element left in the old array store it in the new array as it is as the last element and return the new array outer elements added together.

 If the two most outer elements added together

is greater than 10 split the two digits of Store each in a new array just next to one another

e return the array

-> Repeat the above algorithm recursively ("I.E. take the output as the inputs & Repeat the process") until only two element are left in the 21st (Inputs: Counter Wet -> Outputs: Summed pair of With each recursive iteration, mount each list to the UT

If only two elements are present in the list display them and the corresponding modal Shawing love 1, of each