

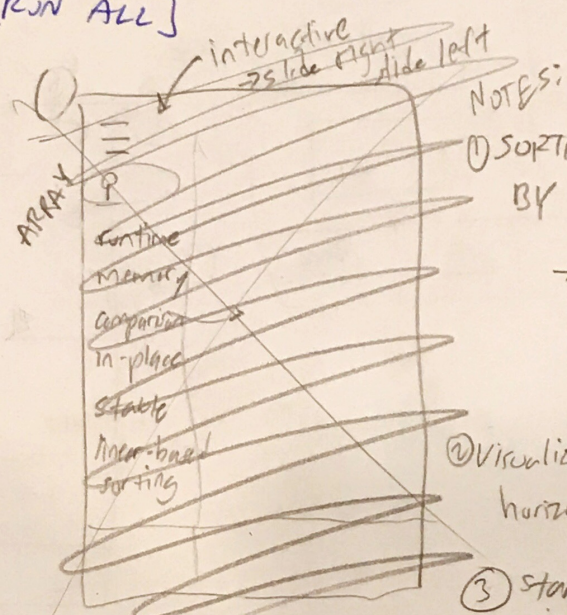
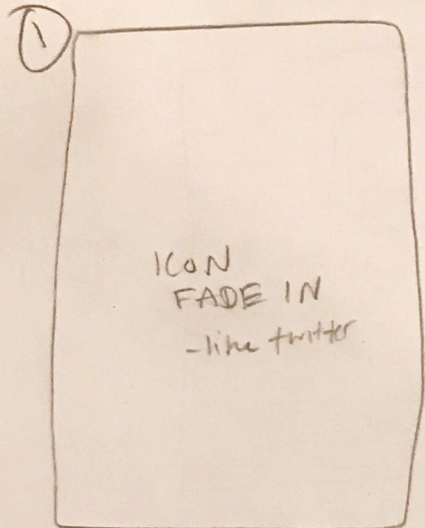
Sorting Algorithms Visualized iOS app

① Virtualization

- step by step visualization (speeds) → ^{step} Center
- complete algorithm [RUN ALL]

SORTA Helper

Icon

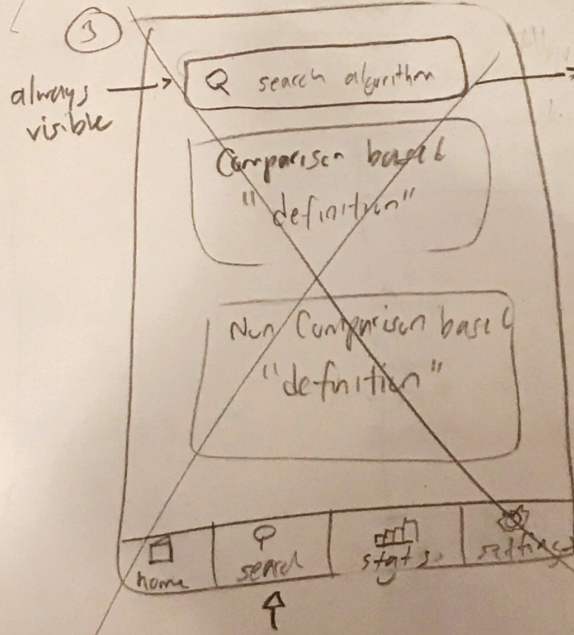
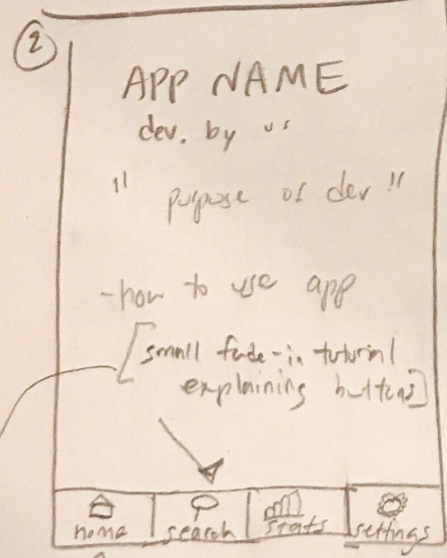


NOTES:
① SORTING ALGORITHM BY DATA STRUCTURE

→ show each algorithm runs in different data structures

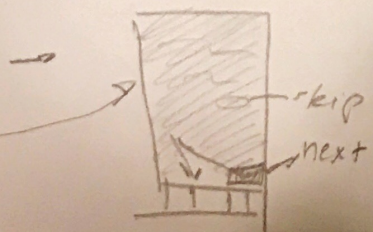
② Visualization turns horizontal

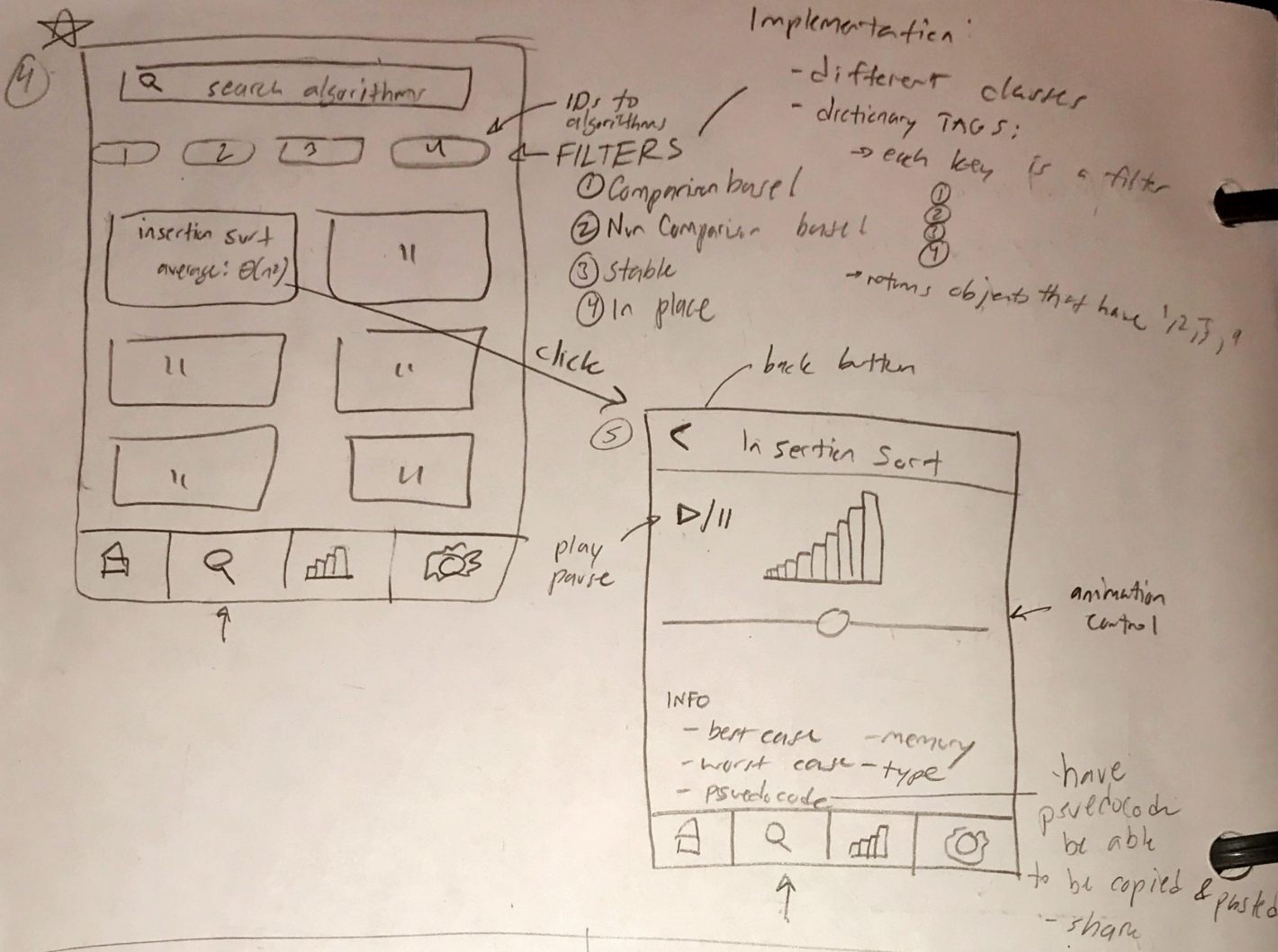
③ start trying to visualize algorithms



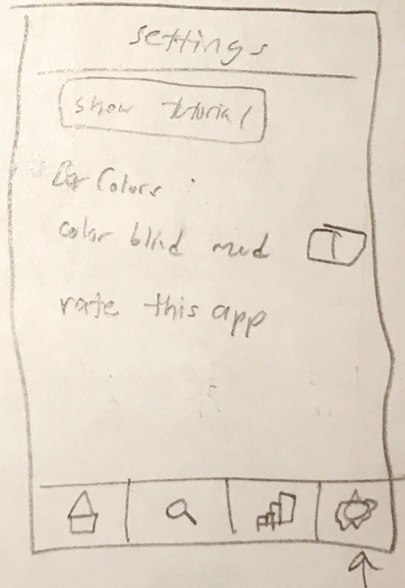
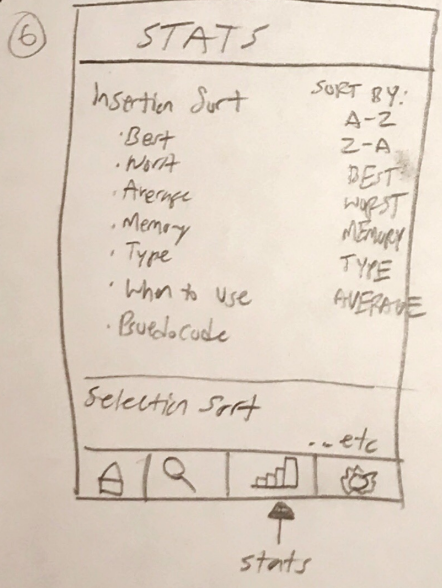
search predictions
→ no saved history
+ first

- when nothing is typed in, show saved history
- as soon as something is typed, remove saved history.





DARK COLORWAY

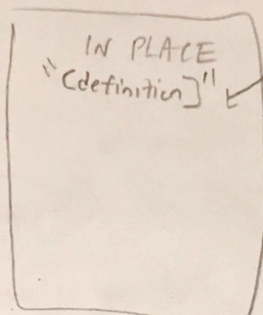


Sorting Algorithms to Visualize

Comparison Based

IN PLACE

- Insertion sort \rightarrow [Arr, HT, LL,
- Selection sort
- Binary Insertion sort
- bubble sort
- heap sort
- shell sort
- cocktail sort
- block sort



shallower font color
& smaller size.
but same font.

STABLE

- merge sort
- quicksort
- insertion sort
- Tim sort
- Comb sort
- bubble sort
- binary tree sort
- cocktail sort

For each algorithm :

- ① Best
- ② Worst
- ③ Memory
- ④ Pseudocode

Non Comparison

LINEAR BASED SORTING

- counting sort
- radix sort [LSD Radix, MSD Radix]
- spread sort
- bucket sort [Integer keys]
- pigeonhole sort.