Main Logic (processFreq) state machine diagram:

current trequency: 9
expected frequency: a
error ablowance rate: E
error range: [2^{-\frac{\pi}{12}} \alpha, 2^{\frac{\pi}{12}} \alpha]
least stable time: st
detect sound threshold: fo

error warning factor: C

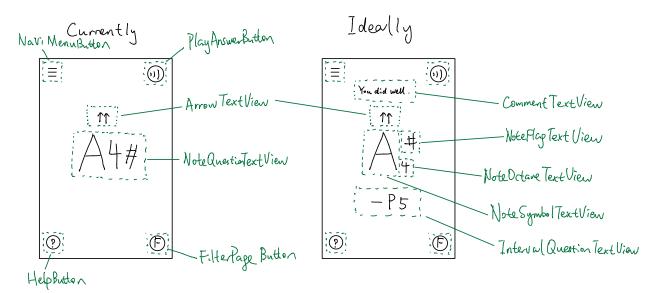
Second error range: (* error range)

TOPO

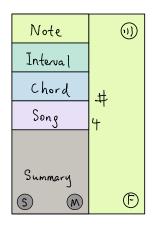
Pcfo No Sound

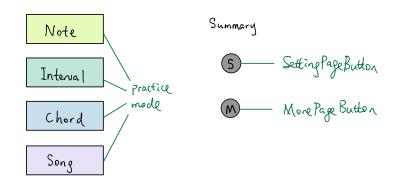


General Main Screen

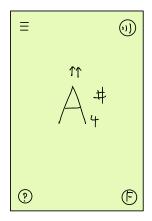


Navi Menu

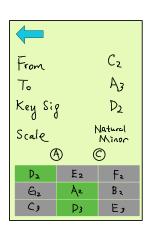




Note Practice Mode



Note Practice Filter Page



can be more intrictive design

(A): select / unselect all

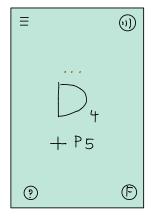
e.f. toggle to select all

teggle again to unselect all

© s select complement
e.f.
$$U = \{1, 2, 3, 4, 5\}$$

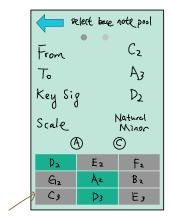
selected $\rightarrow S = \{3, 5\}$
toggle $\Rightarrow S \leftarrow U \setminus S$
toggle $agin \Rightarrow S \leftarrow U \setminus S$

Interval Practice Mode

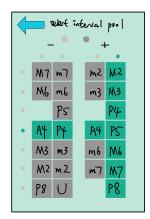


- \odot
- · single tap: play Dy
- · long press:
- play A4

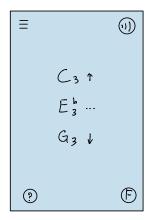
Interval Practice Filter Page



note pool generated by the filter (candidate notes) above



Chord Pratine Mode



· single tap:

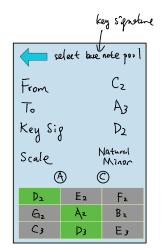
play chord

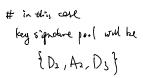
· long press:

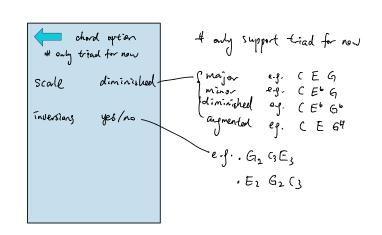
play notes

in order

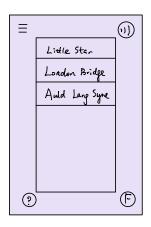
Chord Practice Filter Page

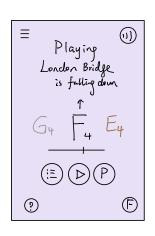


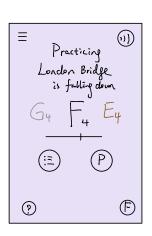


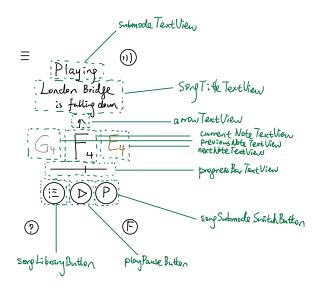


Song Practice Mode

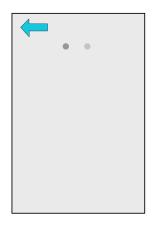








Setting Page



toggle

- · oruto play back answer when correct
- · de bugging mode (show current pitch...)

hardcore

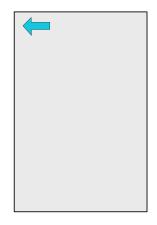


error allowance rate: E

error warning factor: C least stable time: st

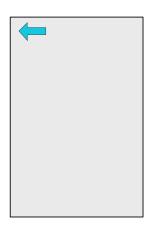
detect sound threshold: fo

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