

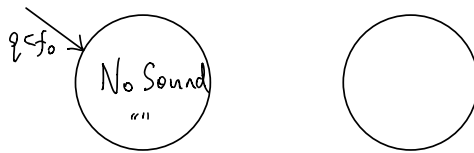
Main Logic (processFreq) state machine diagram:

current frequency : q
expected frequency : a
error allowance rate : ϵ
error range : $[2^{-\frac{\epsilon}{12}} a, 2^{\frac{\epsilon}{12}} a]$
least stable time : Δt
detect sound threshold : f_0

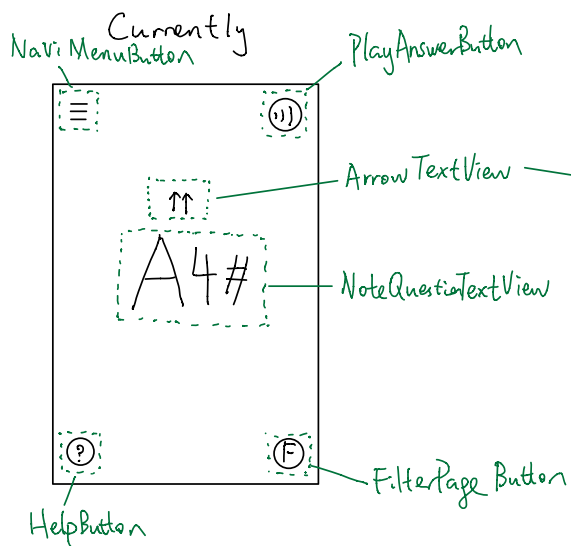
error warning factor : C

second error range : $C \times \text{error range}$

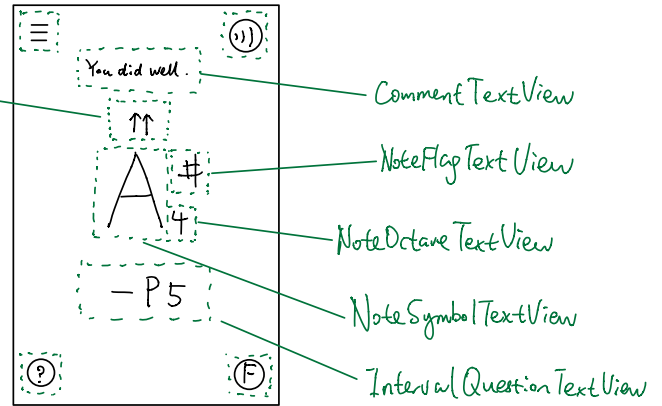
TOPO



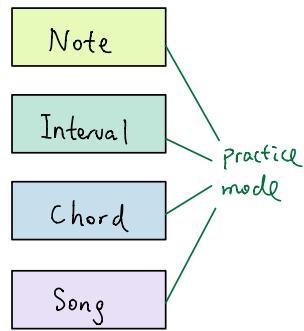
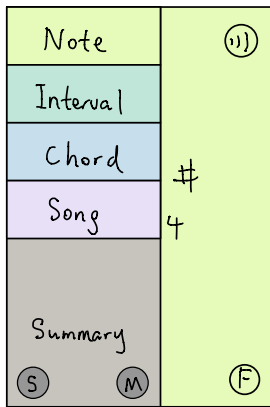
General Main Screen



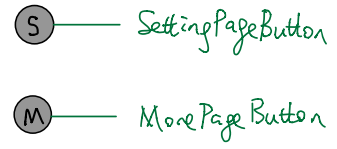
Ideally



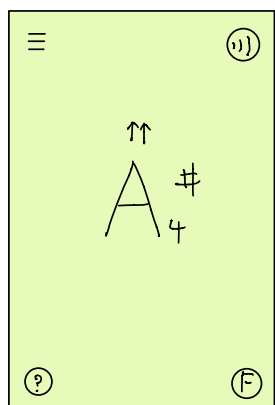
Navi Menu




Summary



Note Practice Mode



Note Practice Filter Page



From

To

Key Sig

Scale

C₂

A₃

D₂

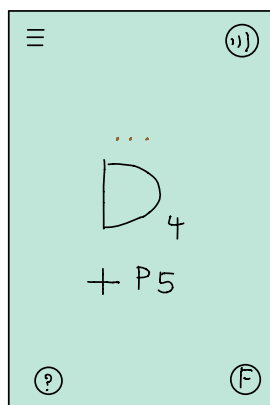
Natural
Minor

Ⓐ

Ⓒ

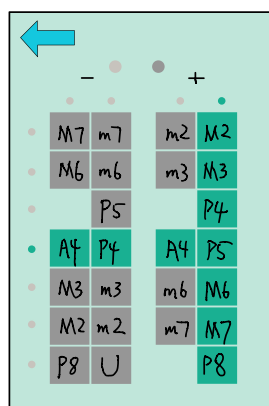
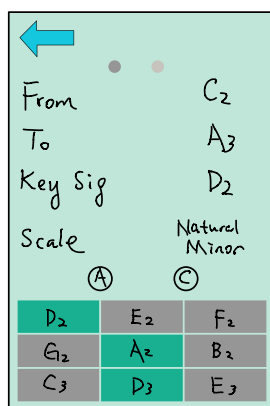
D ₂	E ₂	F ₂
G ₂	A ₂	B ₂
C ₃	D ₃	E ₃

Interval Practice Mode

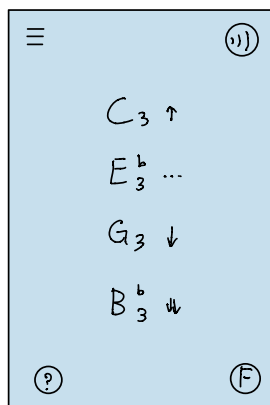


- ①①
- single tap:
play D₄
 - long press:
play A₄

Interval Practice Filter Page

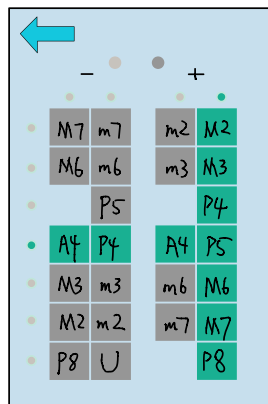
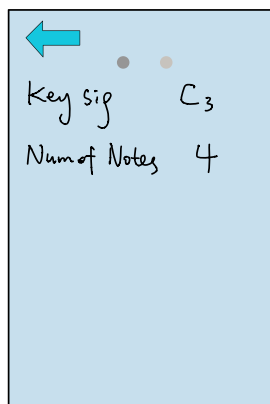


Chord Practice Mode

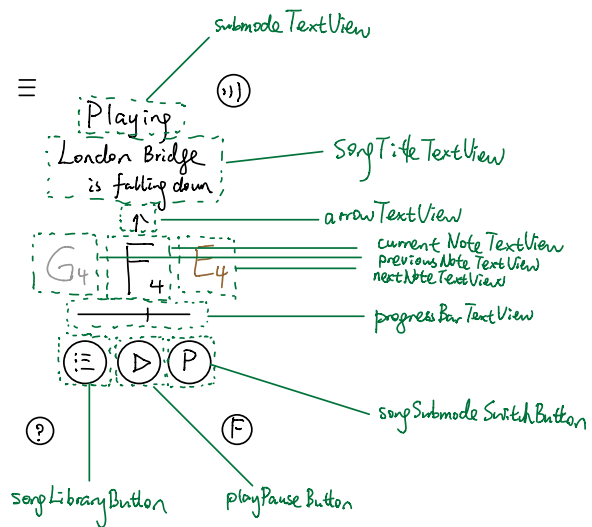
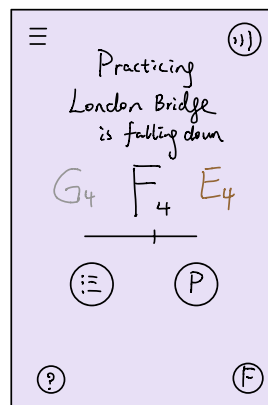
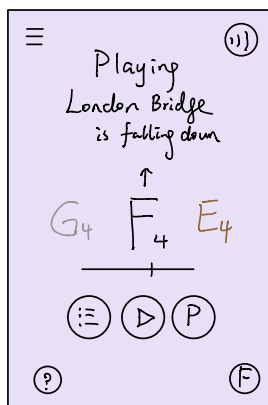
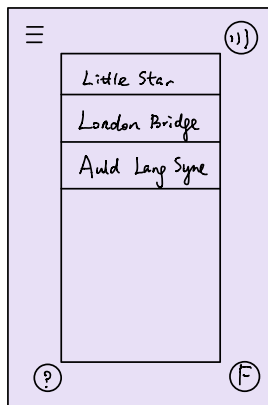


- single tap:
play chord
- long press:
play notes
in order

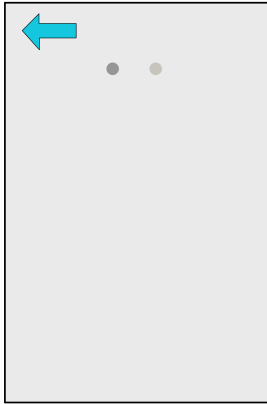
Chord Practice Filter Page



Song Practice Mode



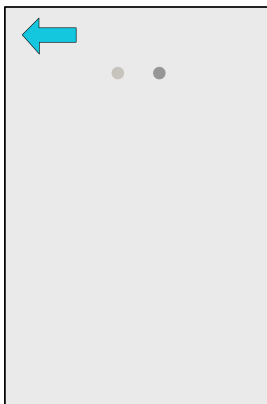
Setting Page



toggle

- auto play back
answer when
correct
- debugging mode
(show current pitch...)

hardcore



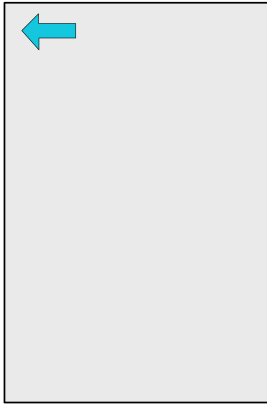
error allowance rate : ε

error warning factor : C

least stable time : st

detect sound threshold : f_0

More Page



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Summary Page



- Graph ?
- Top 10 notes mastered :
- Need to practice notes :