

The text "half step" is written in a black, cursive script on a set of five horizontal blue lines. The letters are slanted to the right, following the slope of the lines. The word "half" is on the first line, and "step" is on the second line.

half step

climb higher

med - fi

prototype

outline

about half step

tasks

revised interface design

prototype overview

Handwriting practice lines consisting of four horizontal lines: a top line, two middle lines, and a bottom line.

half step

climb higher



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B.S CS 2018



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B.S CS 2018



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B.S SymSys 2020

learn
m u s i c
one step at a time

Music practice can be unfocused, filled with self-doubt, lonely, and disconnected from your goals and dreams.

half step helps you climb higher by providing bite-sized tasks, near-peer support, and progress tracking.

tasks

reworded to focus on learning

old

simple

complete current lesson

medium

add new music learning goal

complex

find someone on the same step
to meet and learn with



new

simple

learn next “skill bite”

medium

add new music learning goal

complex

find someone learning the
same thing as you to be
inspired by

revised interface design

3 biggest changes

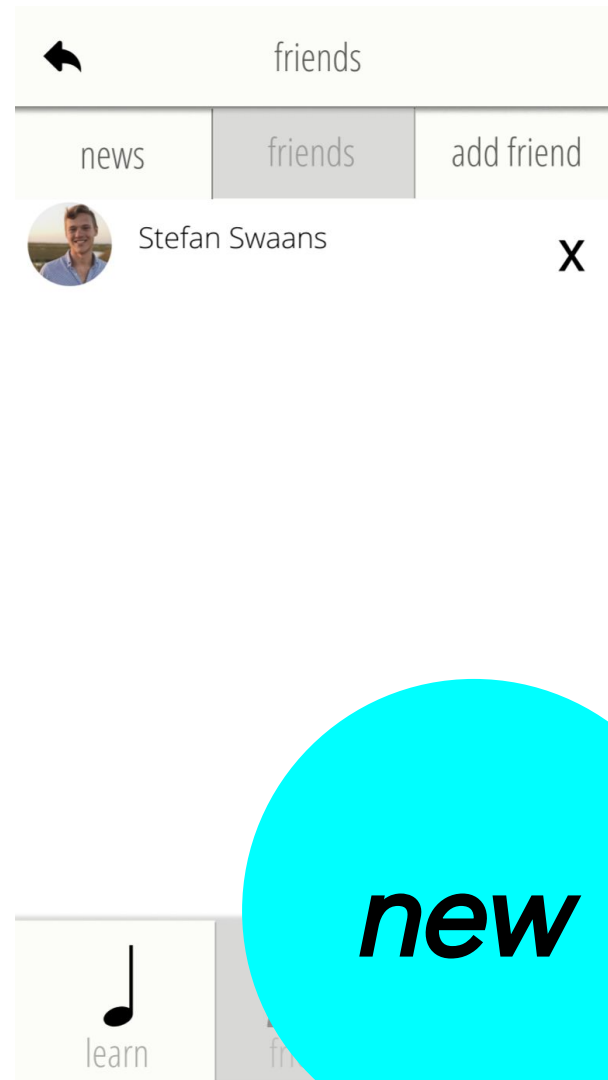
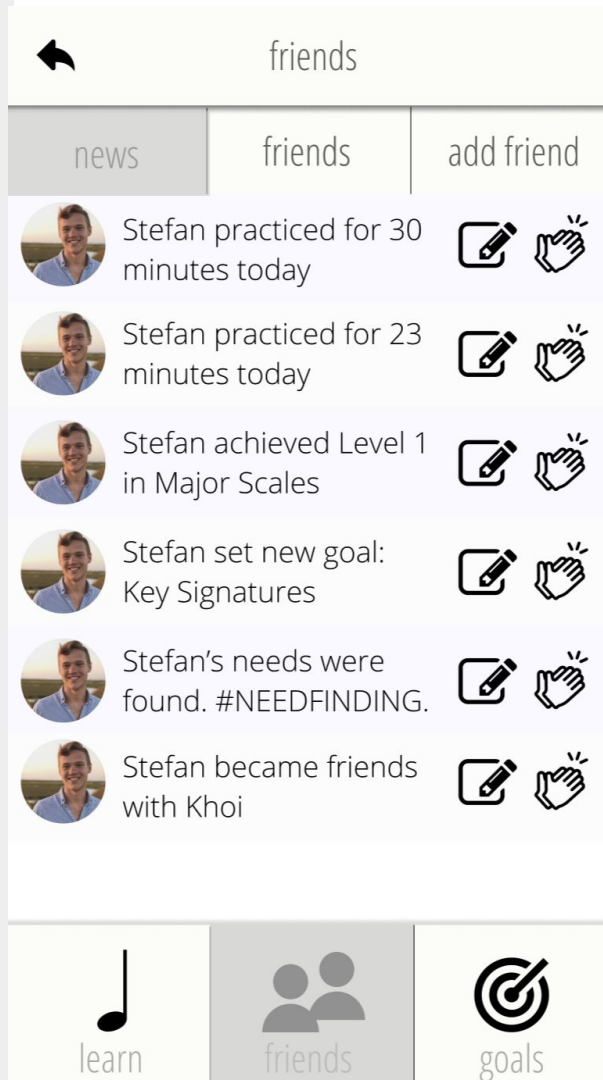
**change 1:
redefine &
design
social
support**

- adding friend
unintuitive
- interfears with
practice



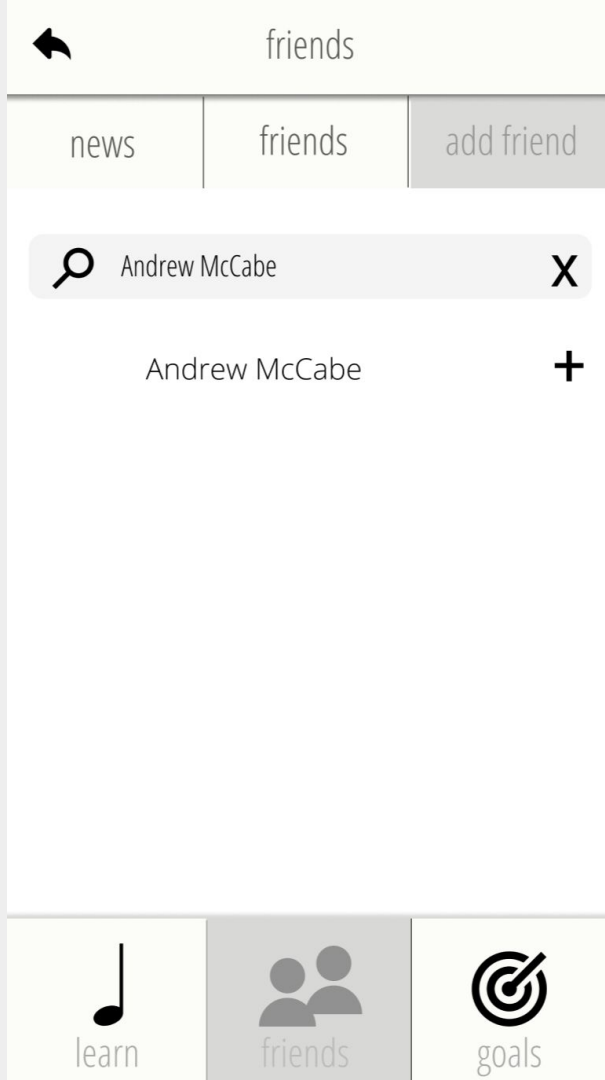
redesigns:

- tab view
- get inspired via “news”
- clearer adding interface



redesigns:

- tab view
- get inspired via “news”
- clearer adding interface

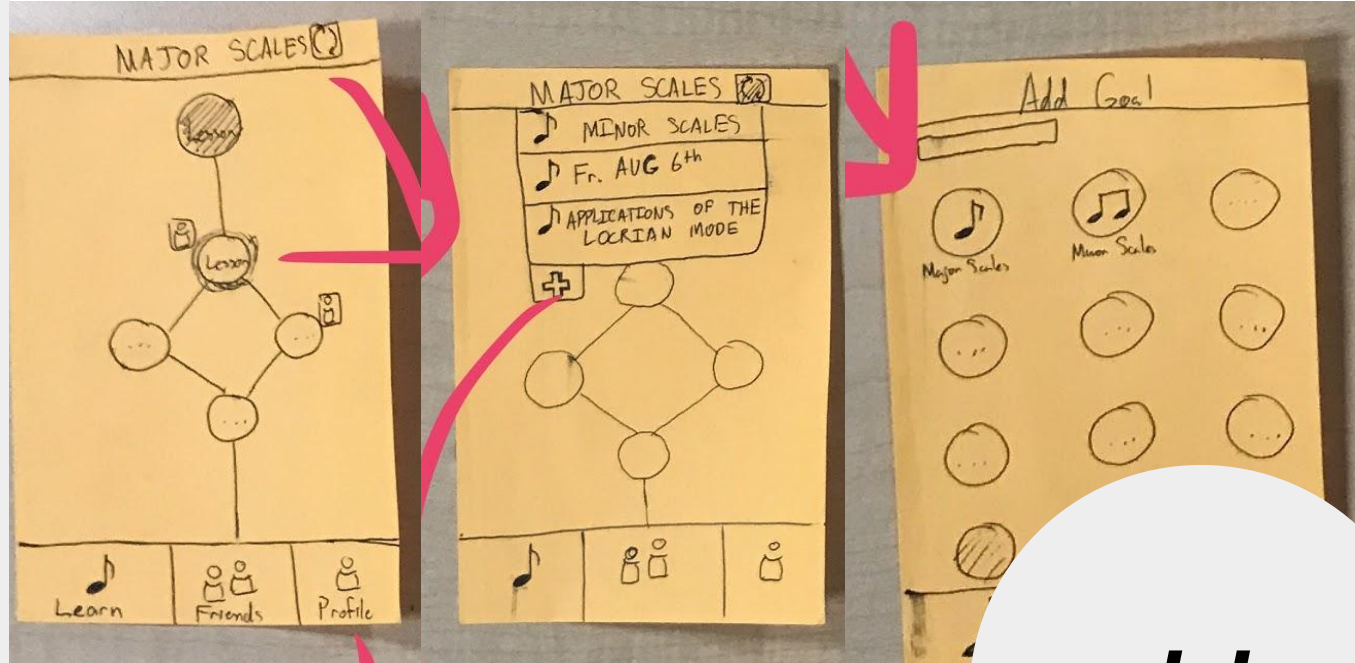


new

**change 2:
redesign
goal
setting &
finishing**

issues:

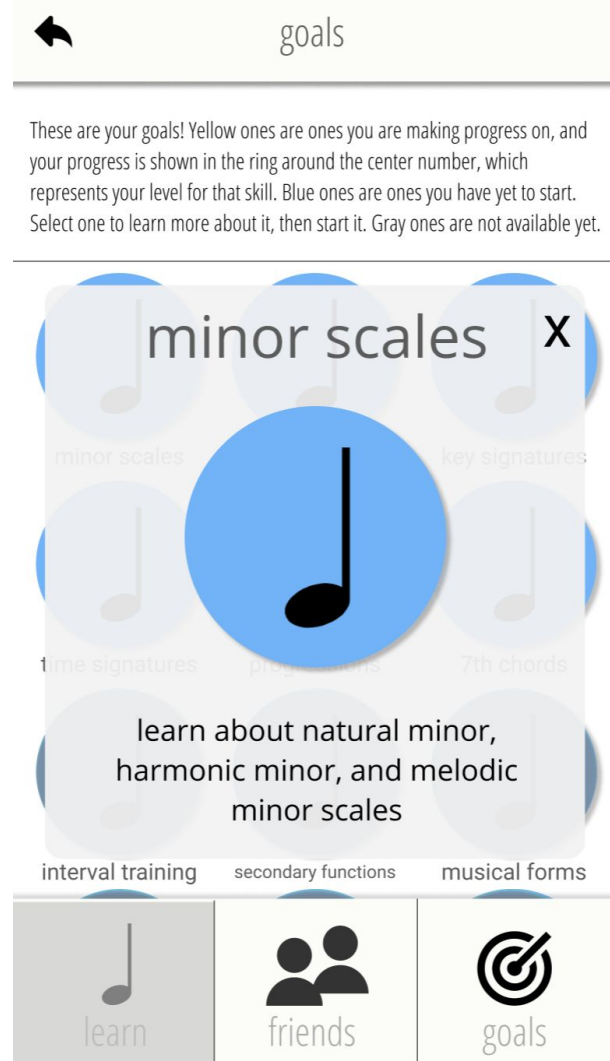
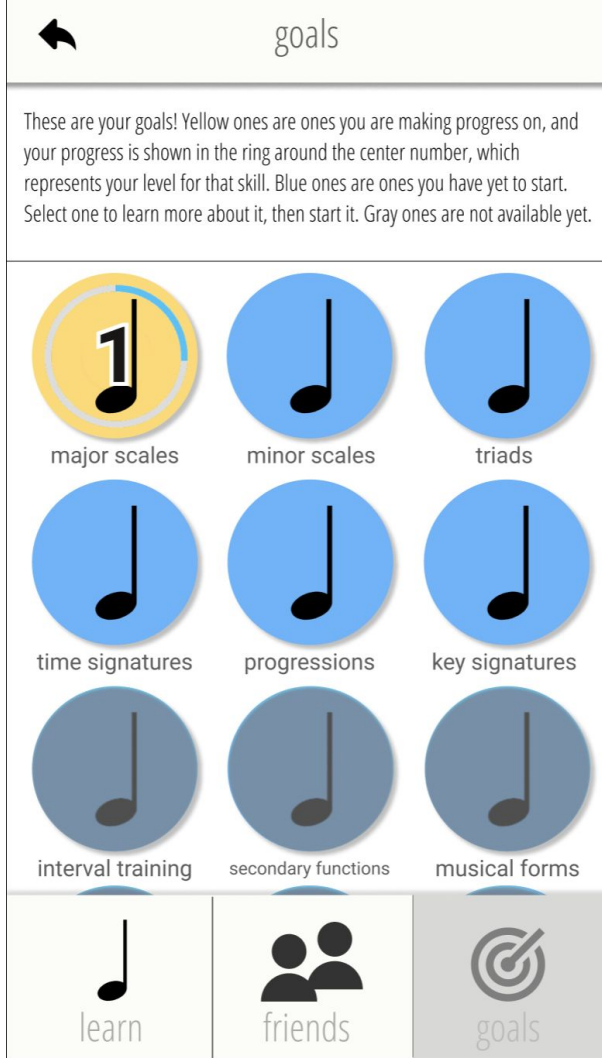
- progression unclear
- difficult to assess what goals entail



old

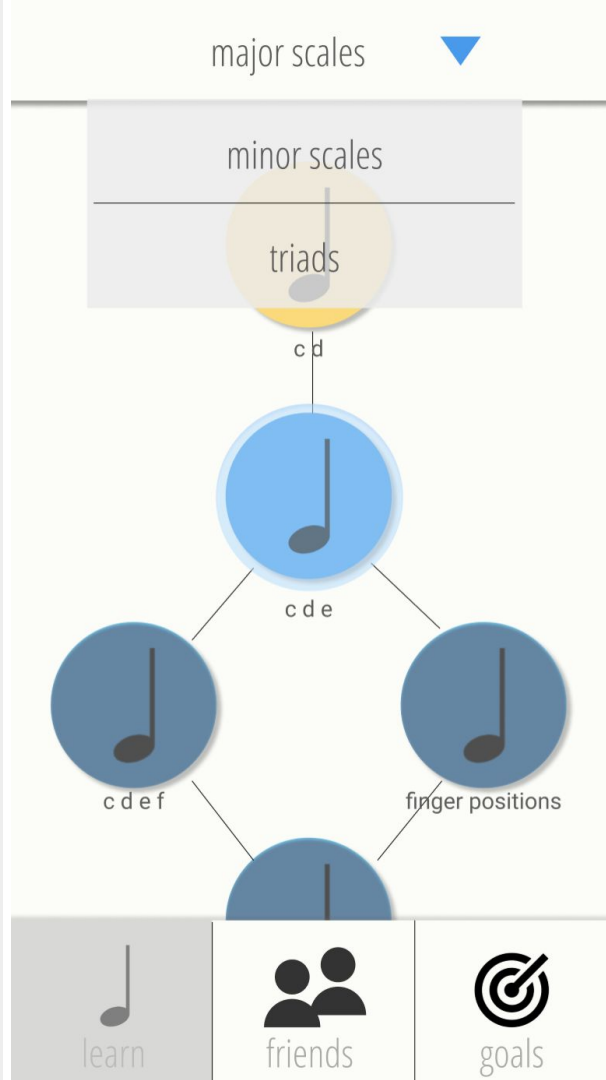
redesigns:

- color indicates status
- info popup
- progress arc



redesigns:

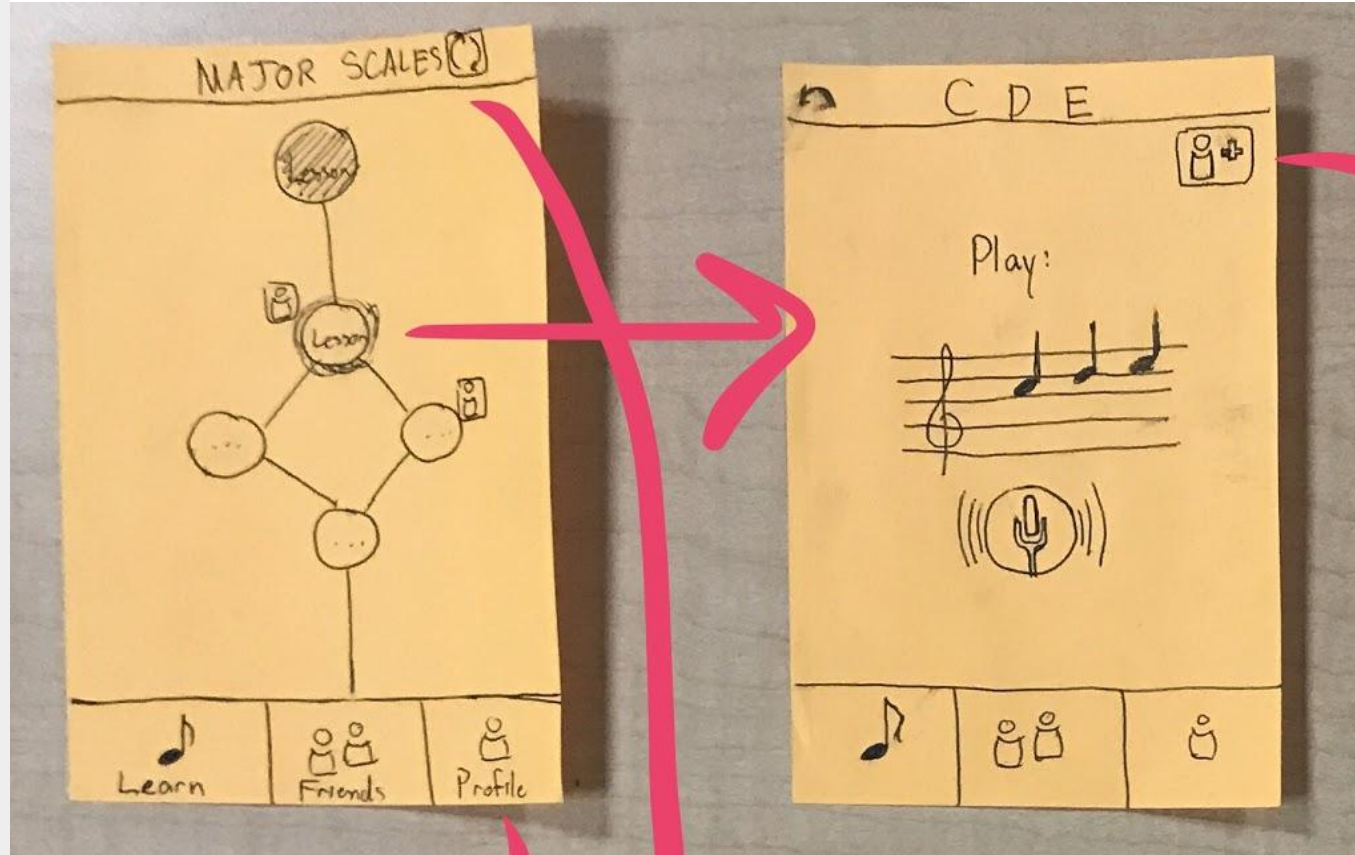
- goal dropdown



change 3:
clarify,
unify,
fun-ify
lessons

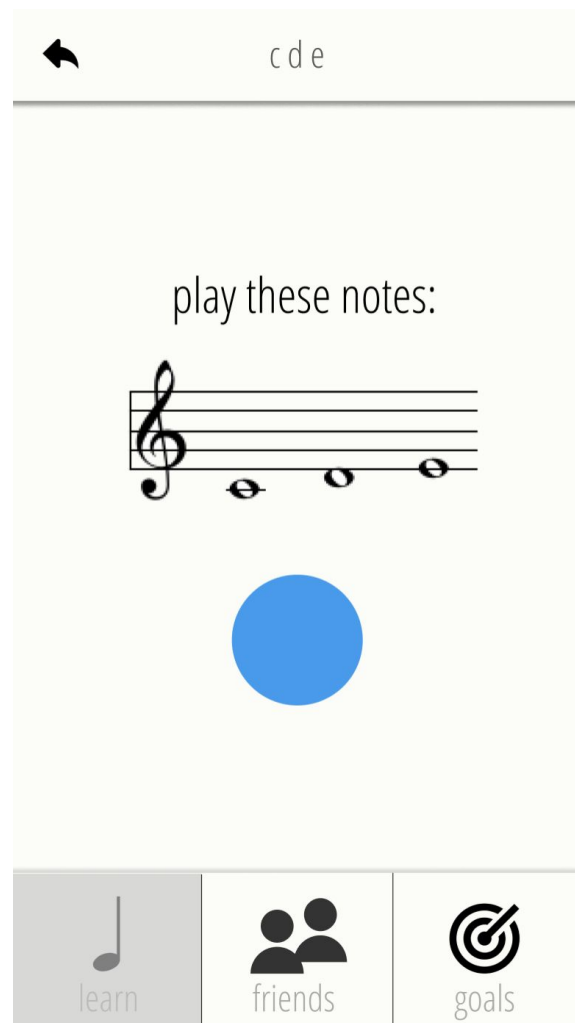
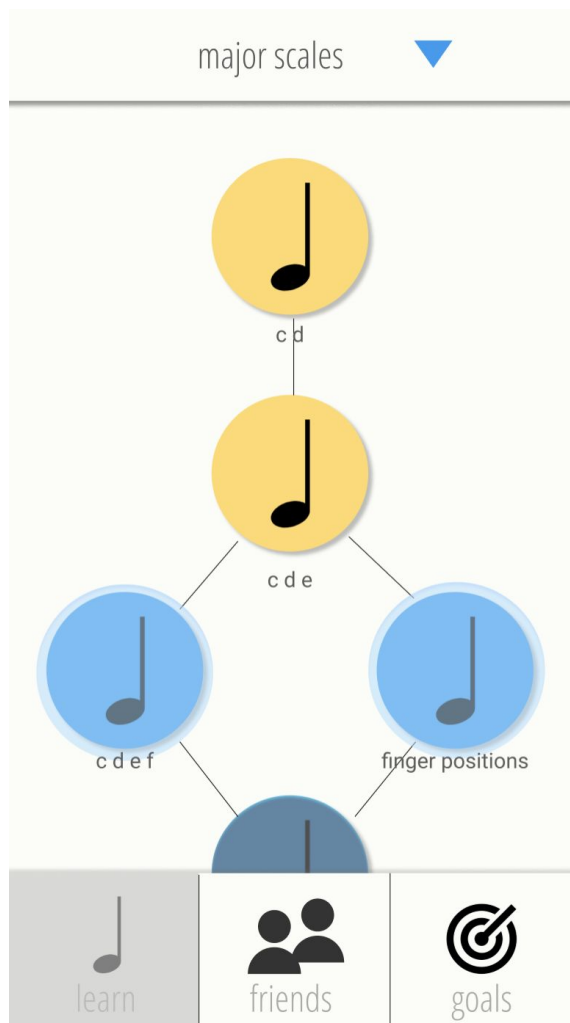
issues:

- progression unclear
- difficult to assess what goals entail



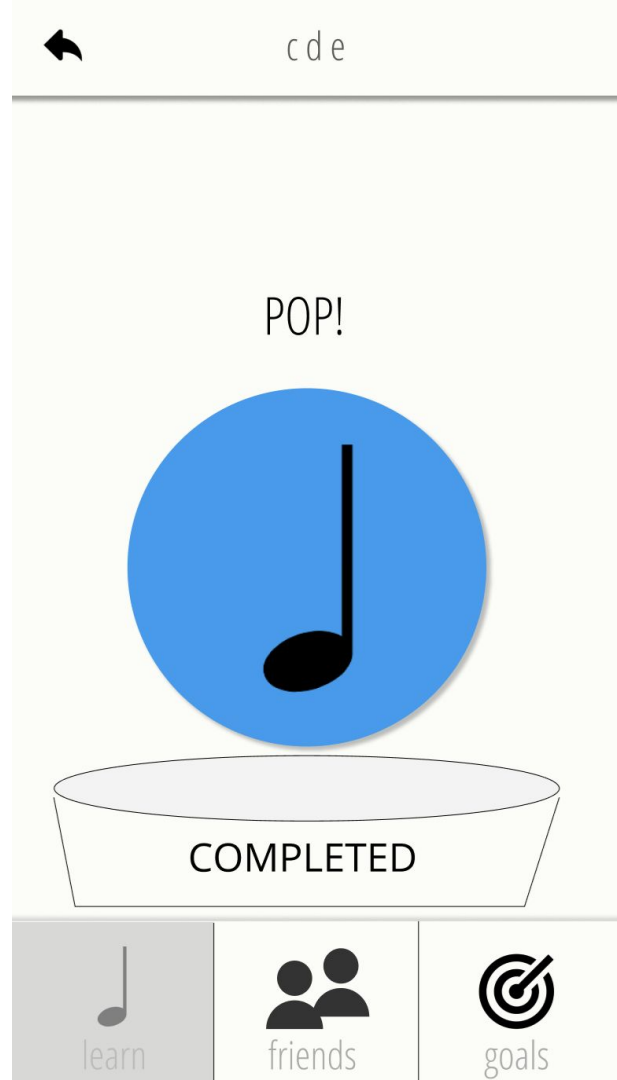
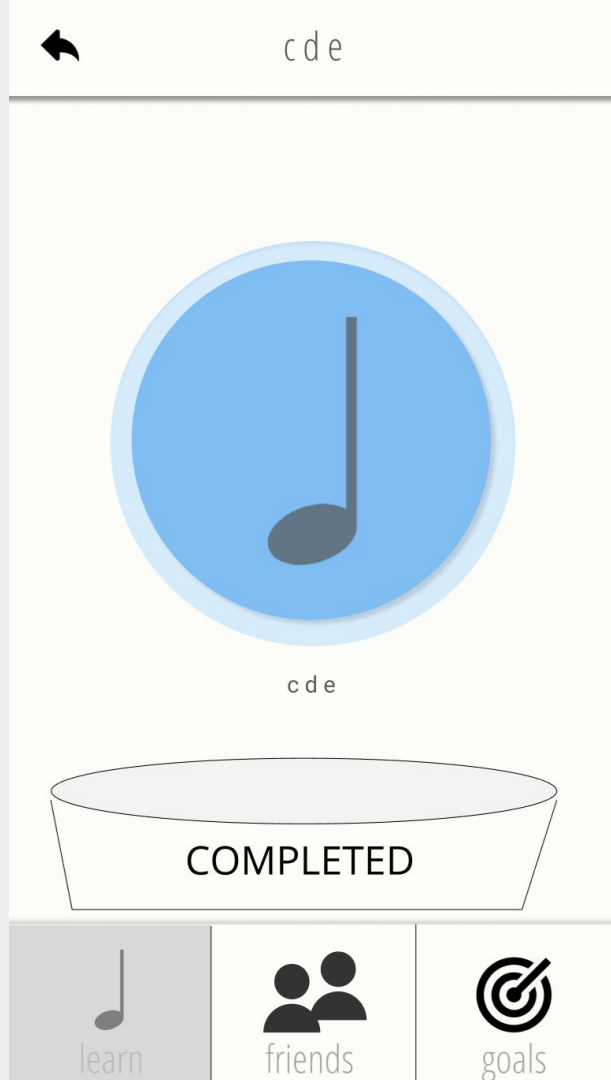
redesigns:

- consistent circle paradigm
- “delightful” completion
- animation
- indicative colors



redesigns:

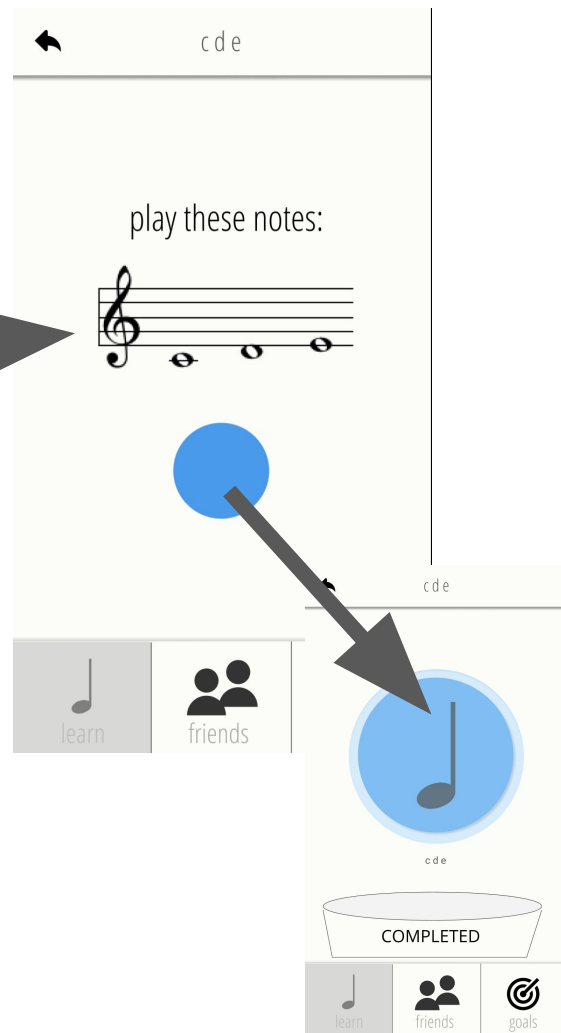
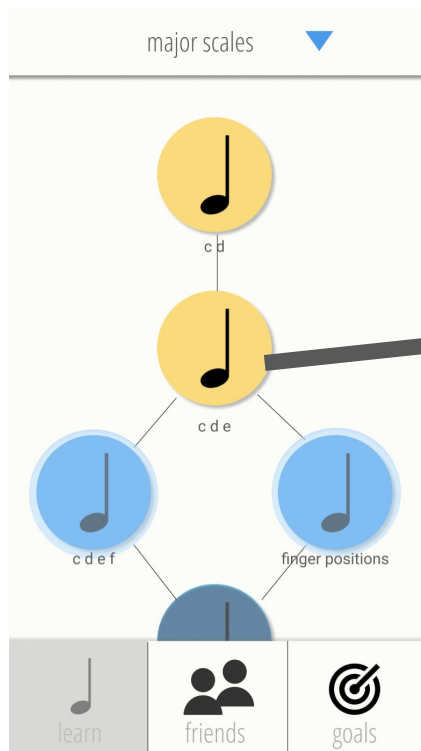
- consistent circle paradigm
- “delightful” completion
- animation
- indicative colors



revised interface design

task flows

learn new “skill bite”



add new goal



goals

These are your goals! Yellow ones are ones you are making progress on, and your progress is shown in the ring around the center number, which represents your level for that skill. Blue ones are ones you have yet to start. Select one to learn more about it, then start it. Gray ones are not available yet.



major scales



minor scales



triads



time signatures



progressions



key signatures



interval training



secondary functions



musical forms



learn



friends

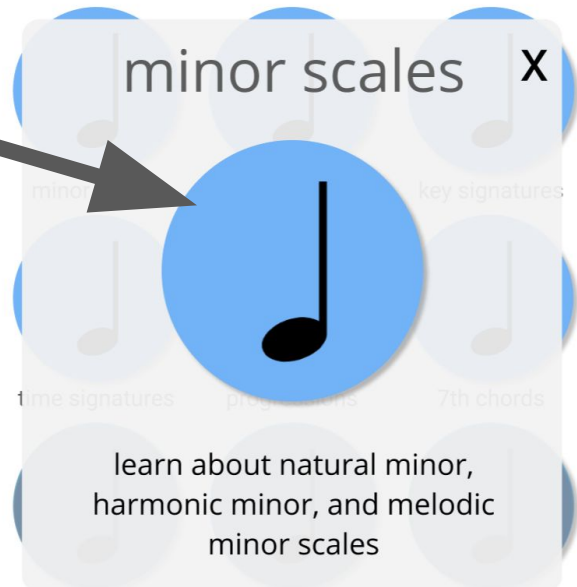


goals



goals

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interval training

secondary functions

musical forms



learn

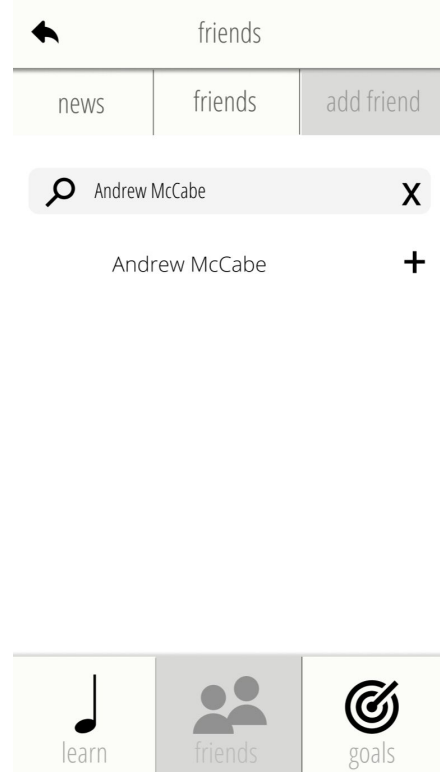
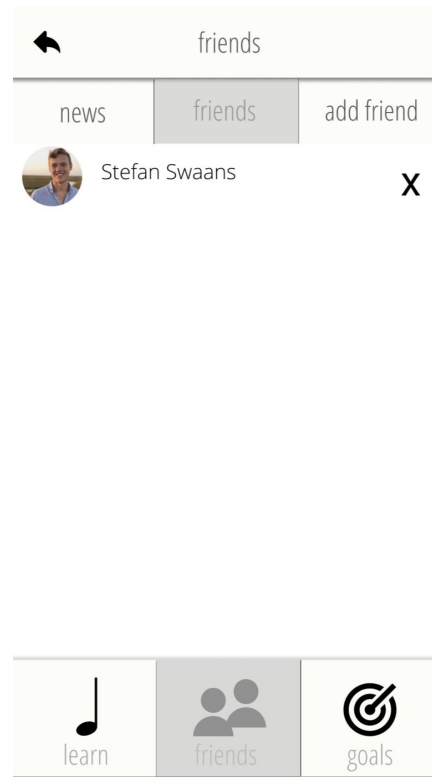
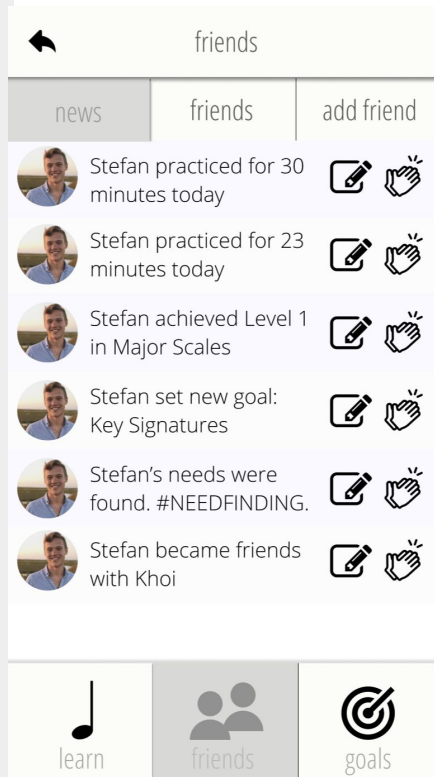


friends



goals

find friends



prototype overview

tools && limitations

[\(click here to play with it\)](#)

figma

pros:

google docs version of Sketch

reusable components

prototyper build-in

cons:

free version only allows 2 collaborators (Khoi, David, Khoifan)

- > Current Goal/Lessons
- > Friends Tab (add friend)
- > Friends Tab (friends)
- > Friends Tab (news)
- > Add Goal (detail)
- > Goals Tab
- > Vector
- > Current Goal/Lessons
- > Current Goal/Lessons
- > Lesson
- > Lesson
- > Lesson

Current Goal/Lessons

major scales ▼

minor scales

trads

c d e

c d e f

c d e

finger positions

learn friends goals

Current Goal/Lessons

major scales ▼

c d e

c d e f

c d e

finger positions

learn friends goals

Goals Tab

goals

There are your goals! Yellow ones are ones you are making progress on, and your progress closer to the top. Blue ones are ones you have yet to start. Select one to learn more about it. (You can't skip ones you're not available yet.)

major scales minor scales trads

time signatures progressions key signatures

interval training harmonic functions musical forms

learn friends goals

Friends Tab (news)

friends

news friends add friend

Stefan practiced for 30 minutes today

Stefan practiced for 23 minutes today

Stefan achieved Level 1 in Major Scales

Stefan set new goal: Key Signatures

Stefan's needs were found. #NEEDFINDING

Stefan became friends with Khori

learn friends goals

Friends Tab (friends)

friends

news friends add friend

Stefan Swears

Stefan McCabe

Stefan McCabe

learn friends goals

Friends Tab (add friend)

friends

news friends add friend

Andrew McCabe

Andrew McCabe

learn friends goals

Lesson

c d e

play these notes:

learn friends goals

Add Goal (detail)

goals

There are your goals! Yellow ones are ones you are making progress on, and your progress closer to the top. Blue ones are ones you have yet to start. Select one to learn more about it. (You can't skip ones you're not available yet.)

minor scales

learn about natural minor, harmonic minor, and melodic minor scales

interval training harmonic functions musical forms

learn friends goals

Lesson

c d e

COMPLETED

learn friends goals

Lesson

c d e

COMPLETED

learn friends goals

Current Goal/Lessons

major scales ▼

c d e

c d e f

c d e

finger positions

learn friends goals

DESIGN

PROTOTYPE

CODE

BACKGROUND

#E5E5E5

100%

👁

☒ Show in exports

PIXEL PREVIEW

☐ Pixel Preview

1x

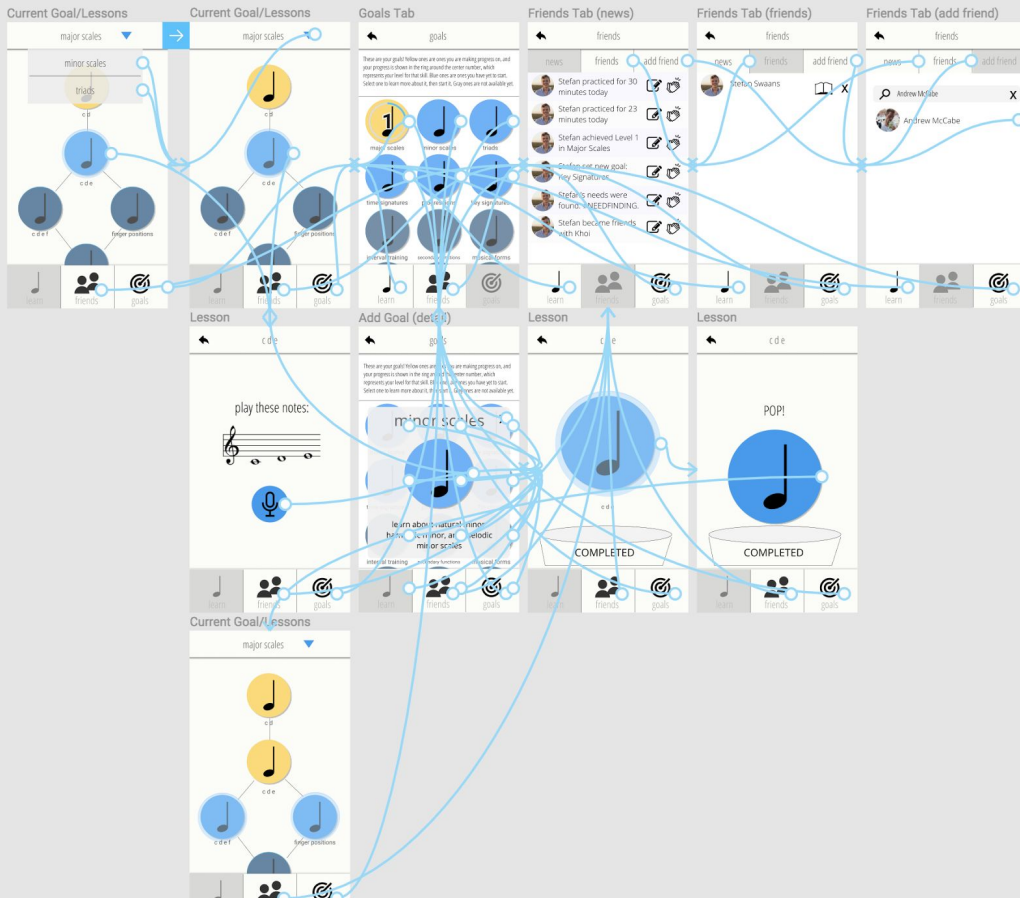
▼

☒ Pixel Grid

EXPORT

Click + to add an export setting

- > Current Goal/Lessons
- > Friends Tab (add friend)
- > Friends Tab (friends)
- > Friends Tab (news)
- > Add Goal (detail)
- > Goals Tab
- Vector
- > Current Goal/Lessons
- > Current Goal/Lessons
- > Lesson
- > Lesson
- > Lesson



DESIGN

PROTOTYPE

CODE

PROTOTYPE BACKGROUND

#000000

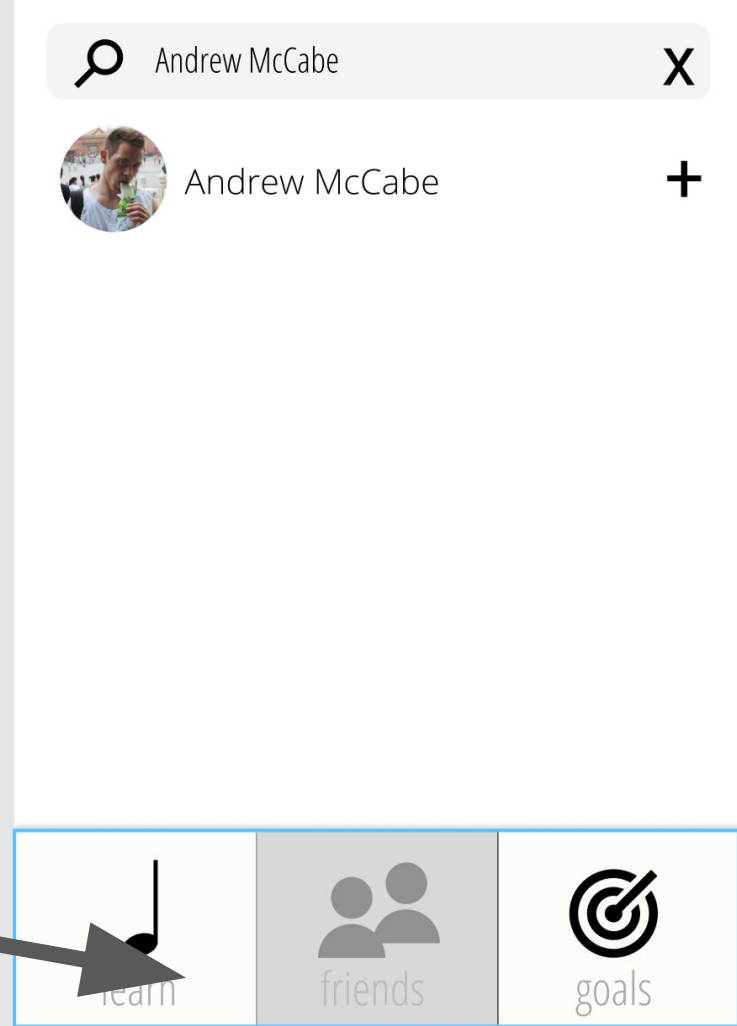
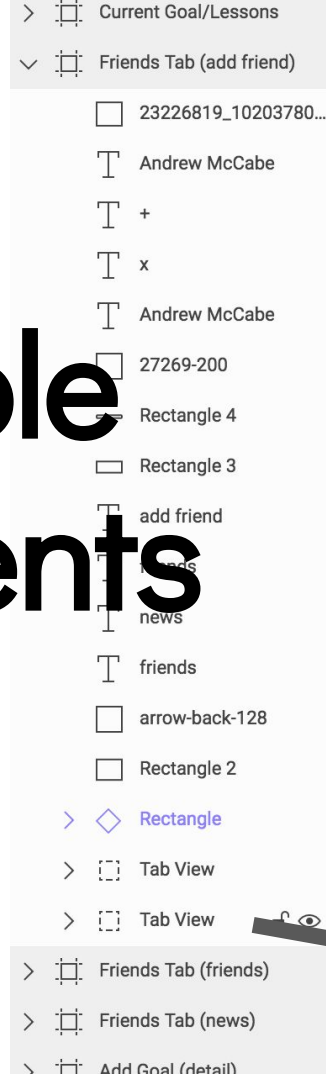


To delete a connection click and drag on either end.



Use the play button in the top bar to play your prototype. If there are no connections, the play button can be used to play a presentation of all your frames.

re-usable components



limitations

- unable to test “delightfulness” of interactions
- hard coded, can’t adapt to skill level
- can’t test follow through over time

Questions?