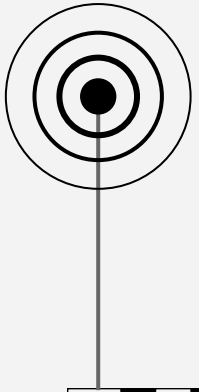
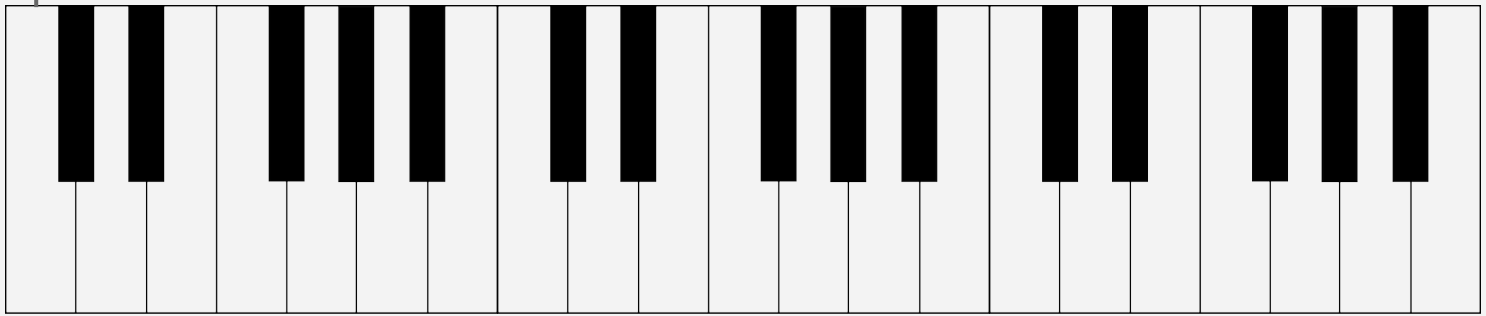


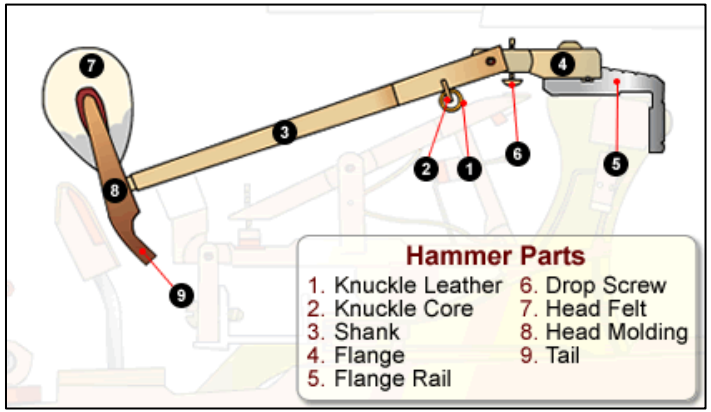
pianex

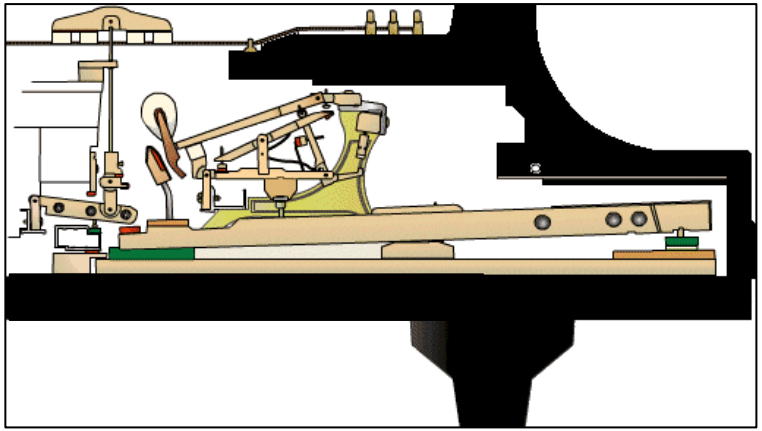


Cory Aitchison & Jonathan Ballak
IS 282
Prof. Blanchette
9 June 2015

The mechanics of the piano have not changed in 125 years

How a Piano works

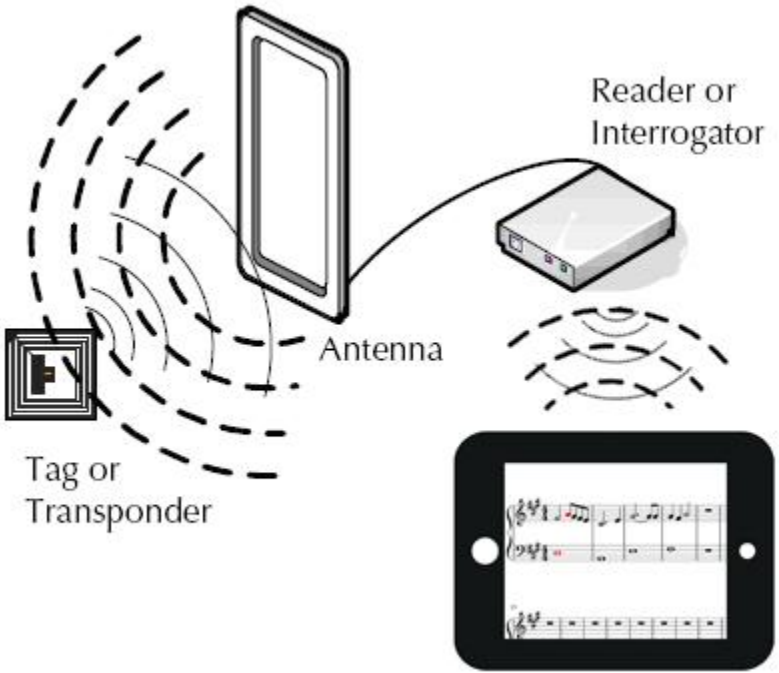




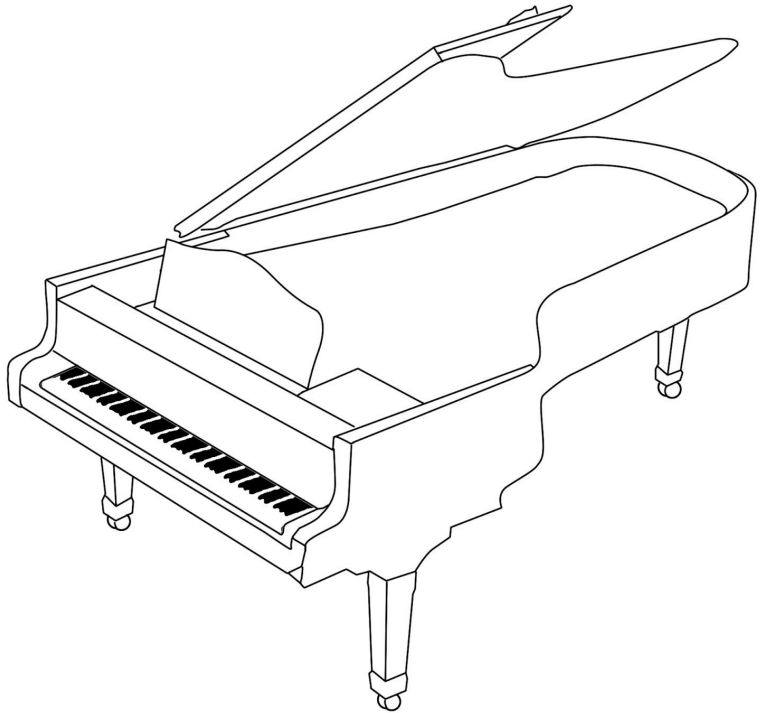
How then to take a classical musical instrument, and augment it so that players of the piano may benefit from contemporary ‘connected’ technologies?

Keys with RFID tags

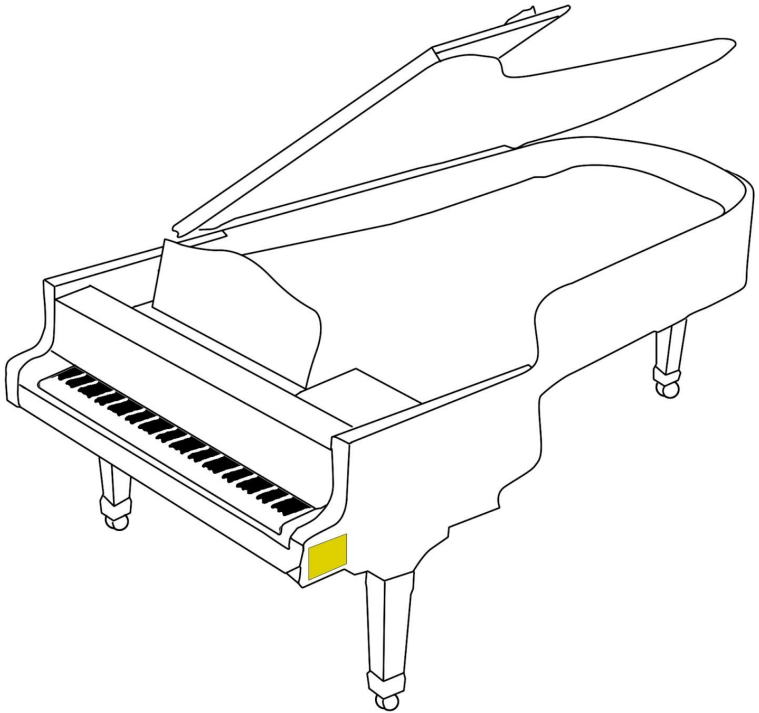
Reader that records every time the key moves



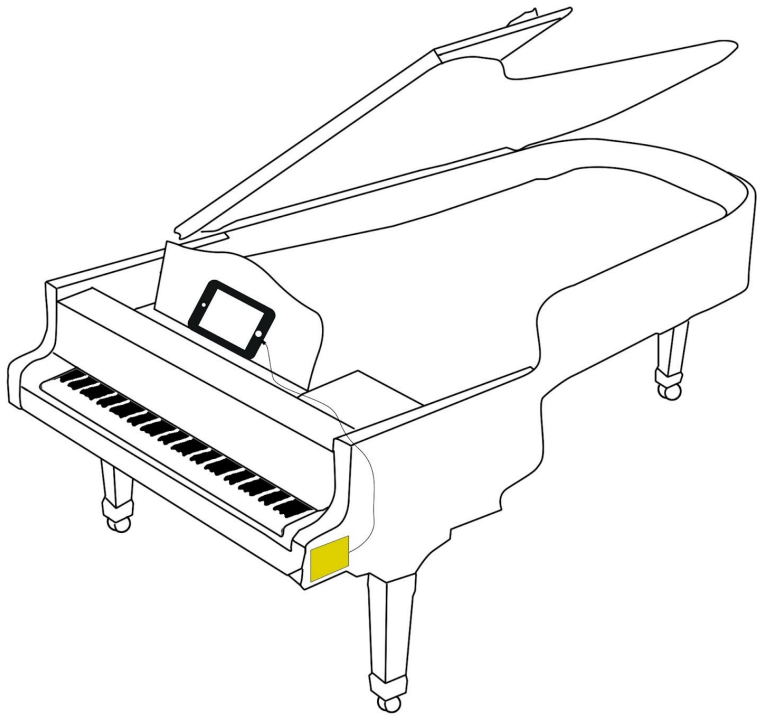
RFID tags on each key

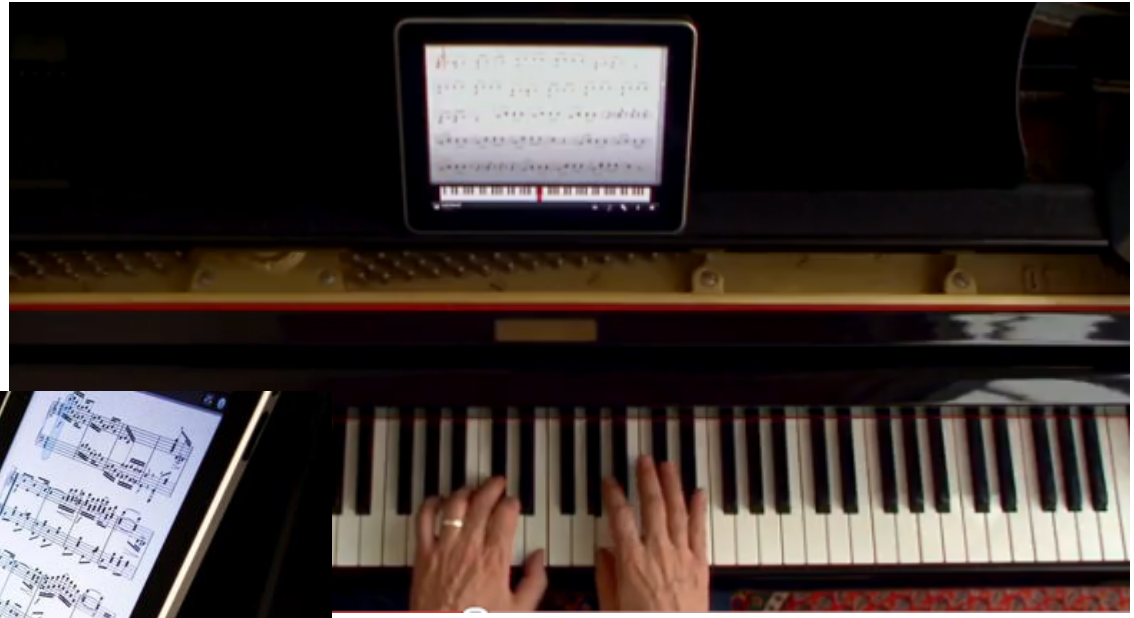


Reader recognizes motion of keys



Sends information to app



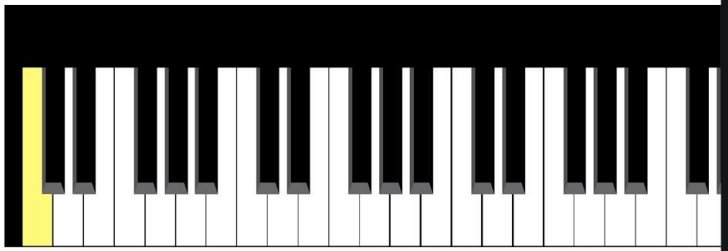


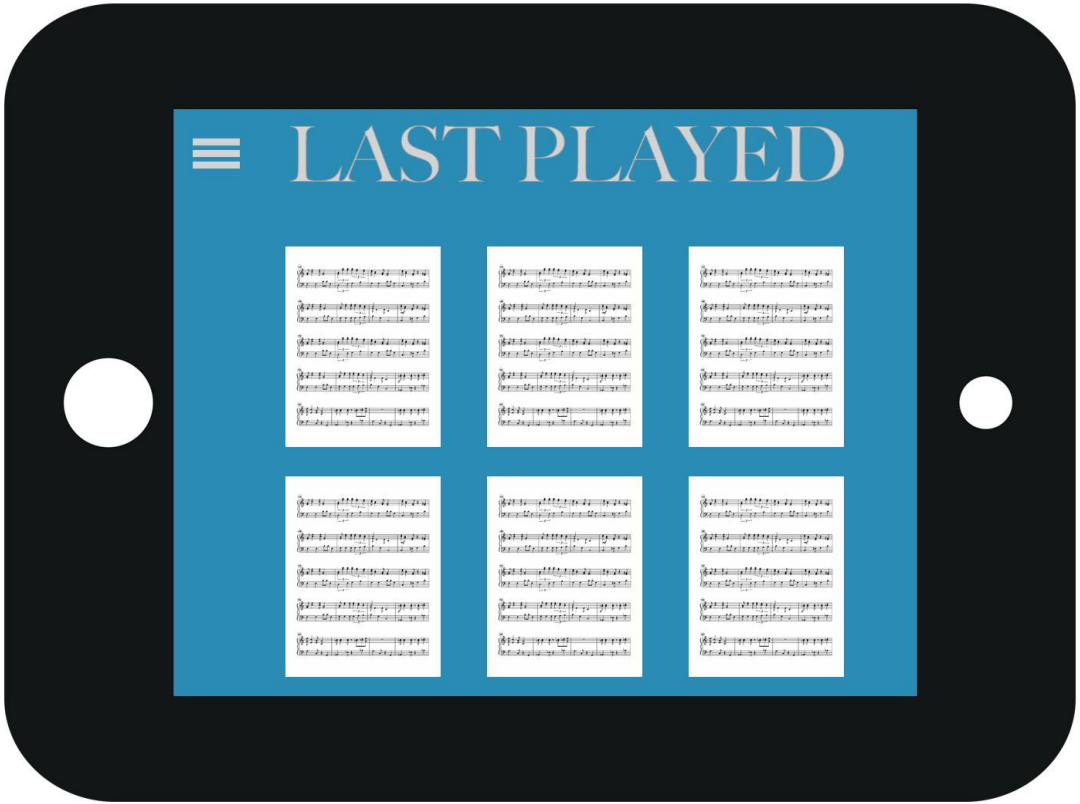
SET UP

To begin using your connected piano,
please activate the sensors on the keys.

Start with the lowest note on the piano.

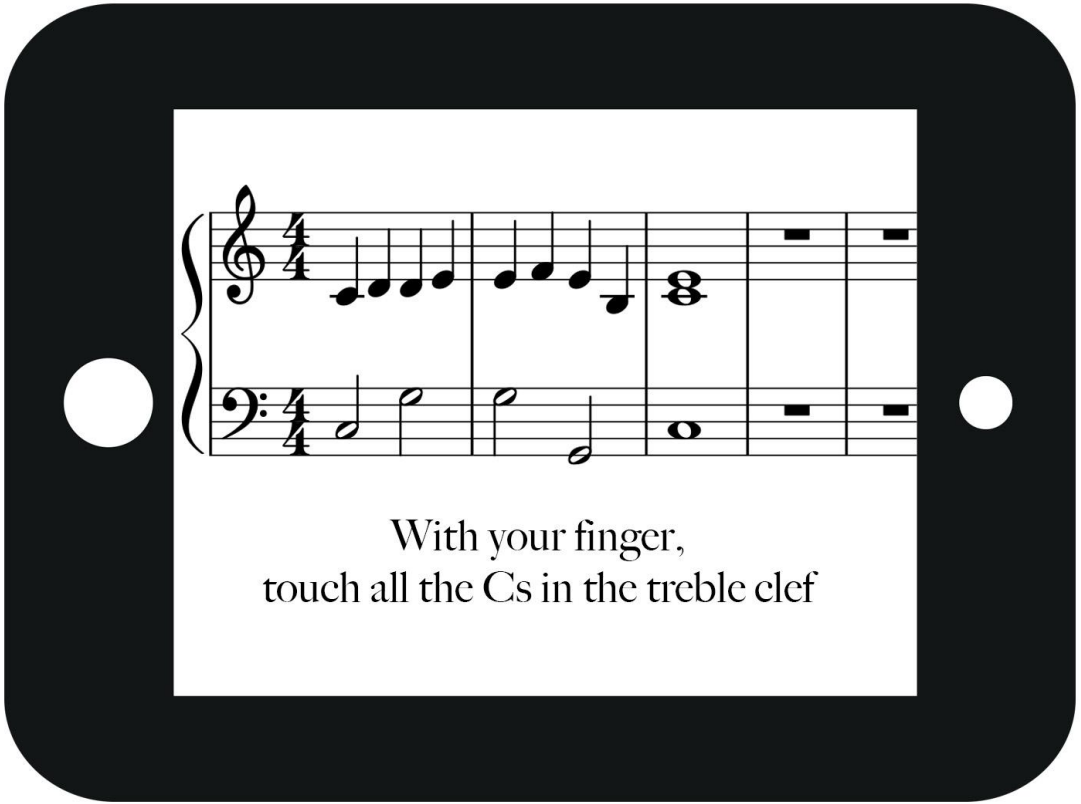
✓ ACTIVATED




LAST PLAYED

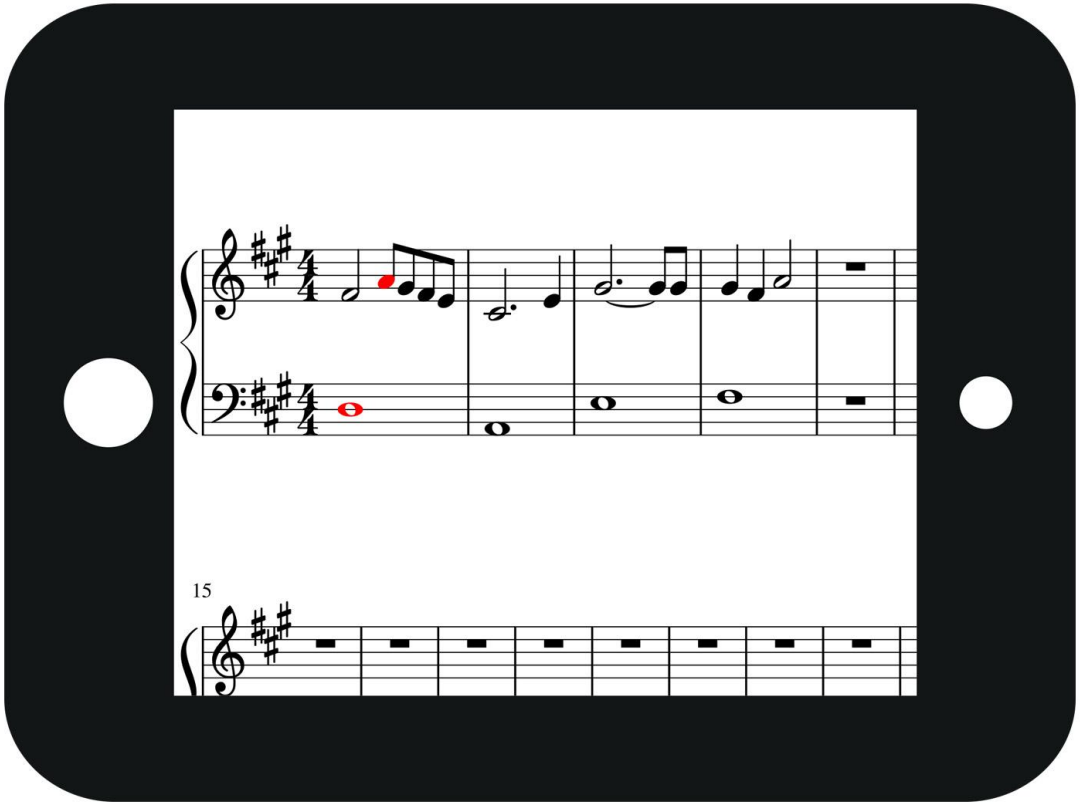
Lessons
Play
Write
LAST PLAYED

LESSONS
Level 1
Level 2
Level 3



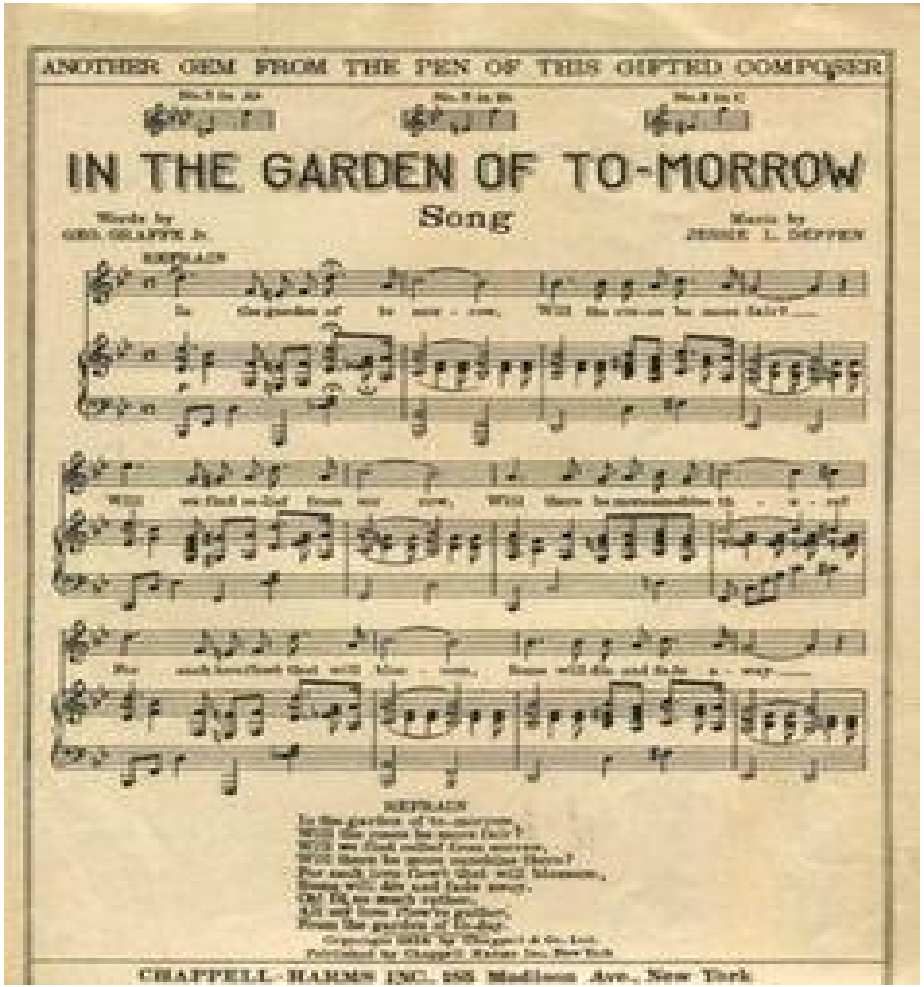
With your finger,
touch all the Cs in the treble clef

PLAY
TO
BEGIN

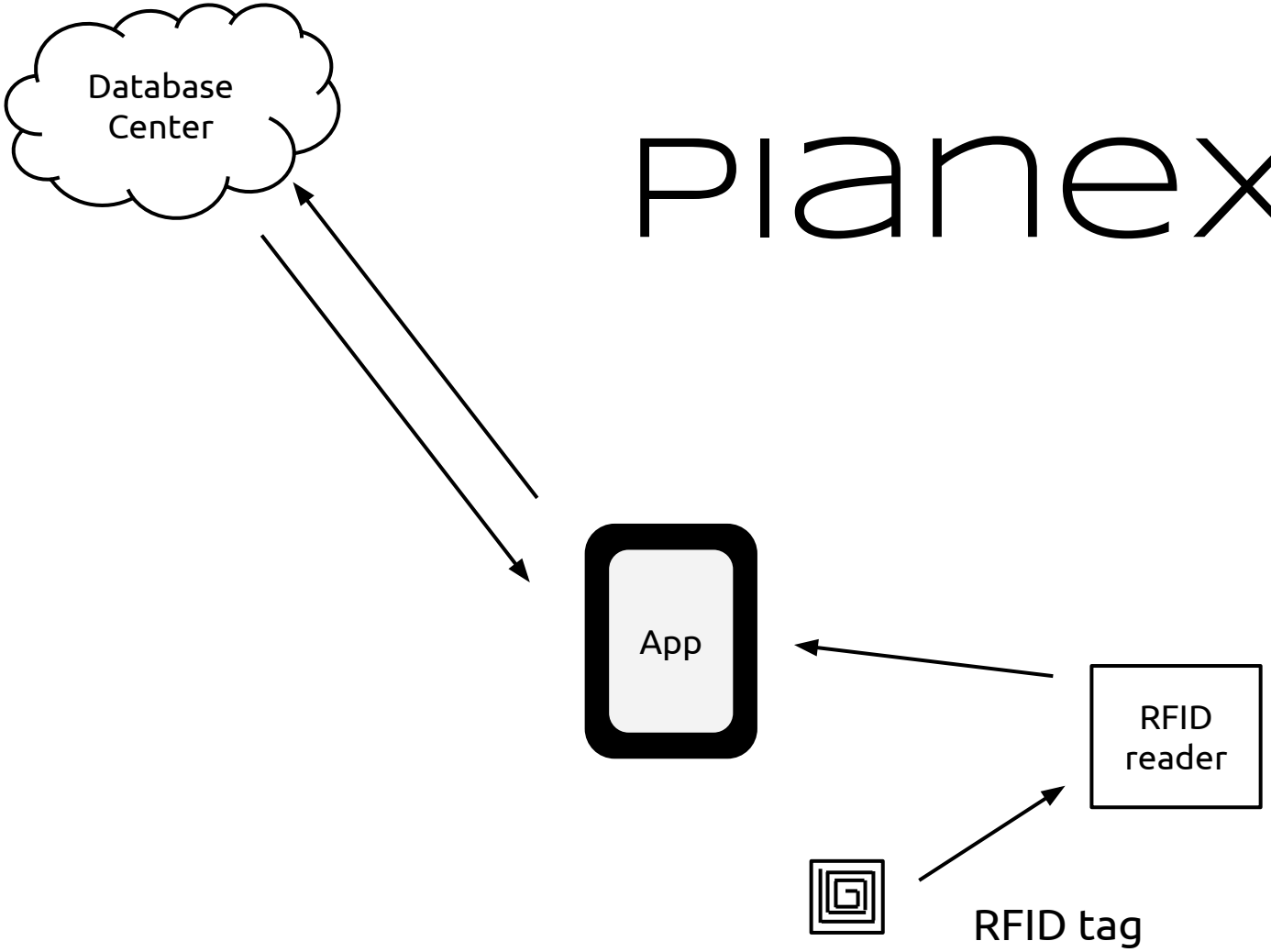

15

WRITE
Key
F#
Time
4
4
Tempo
120 bpm

User Generated Sheet Music



pianex



Questions?