



PROBLEM

- ▶ **24,000** new songs uploaded to major streaming platform every day
- ▶ Musical inspirations only stay for a **SHORT** time

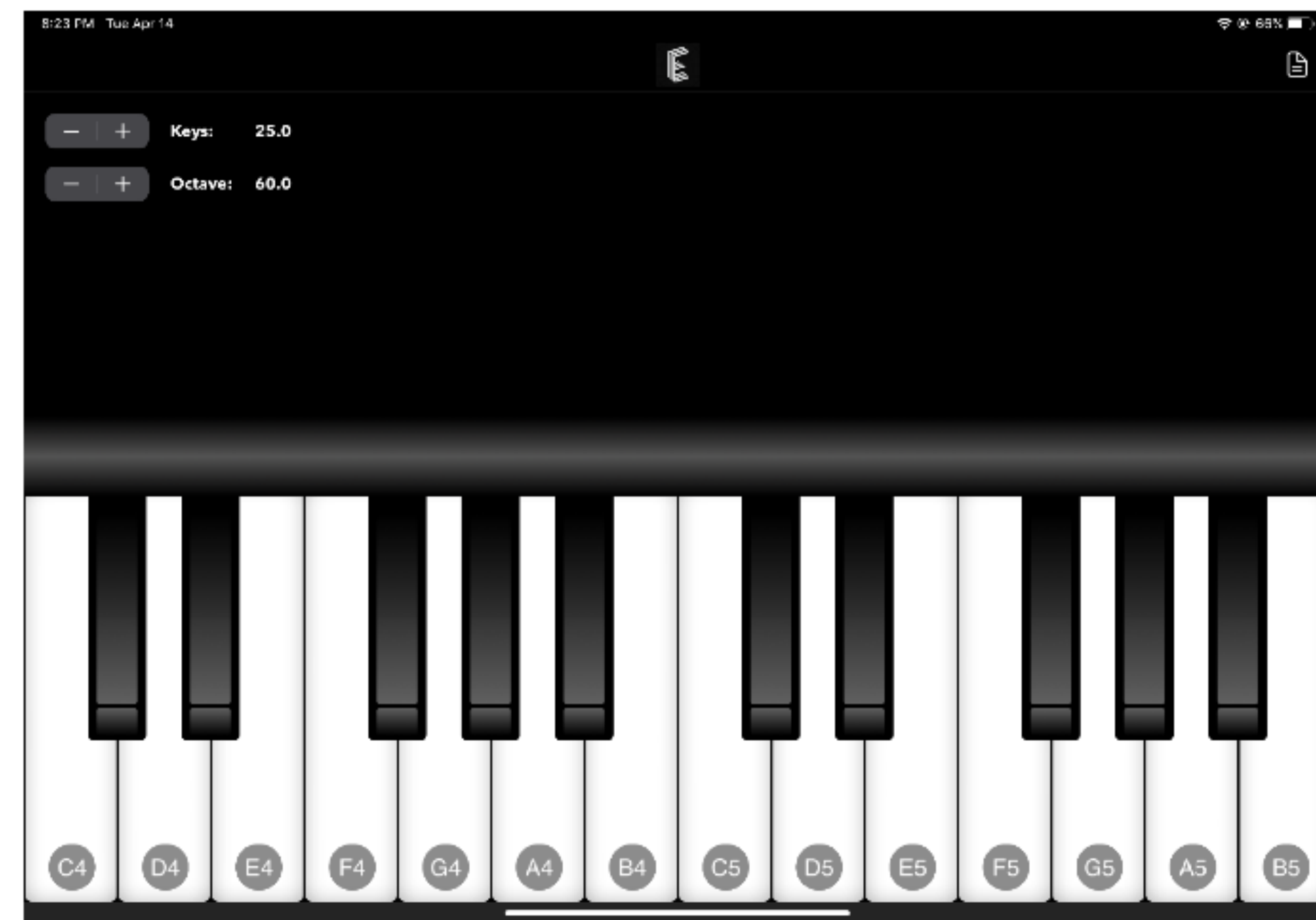
SOLUTION

- ▶ **ECHO**
- ▶ **iOS-based**
- ▶ **Memo for musicians**
- ▶ **Inspirations NEVER SLIP away**



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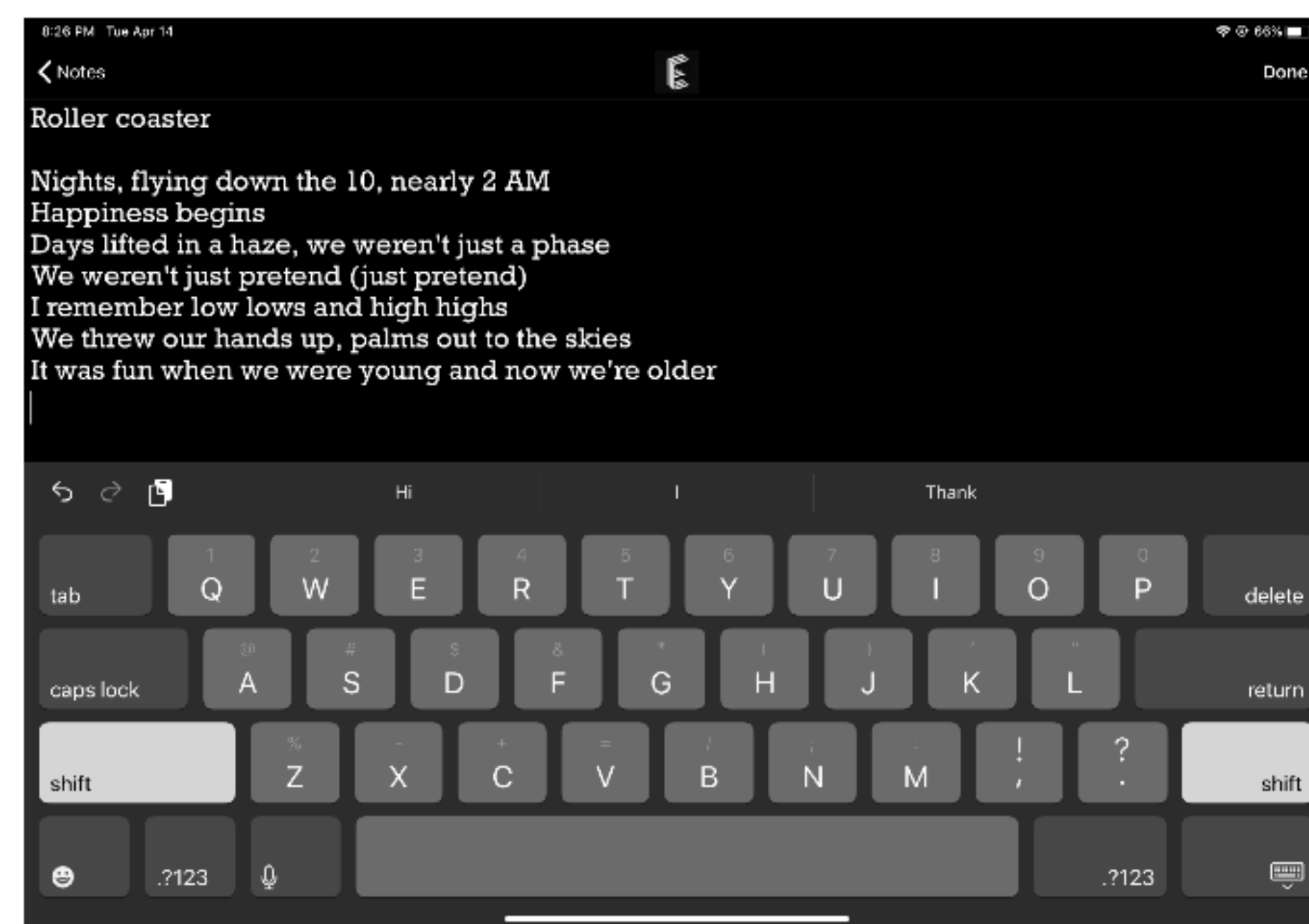
FEATURES



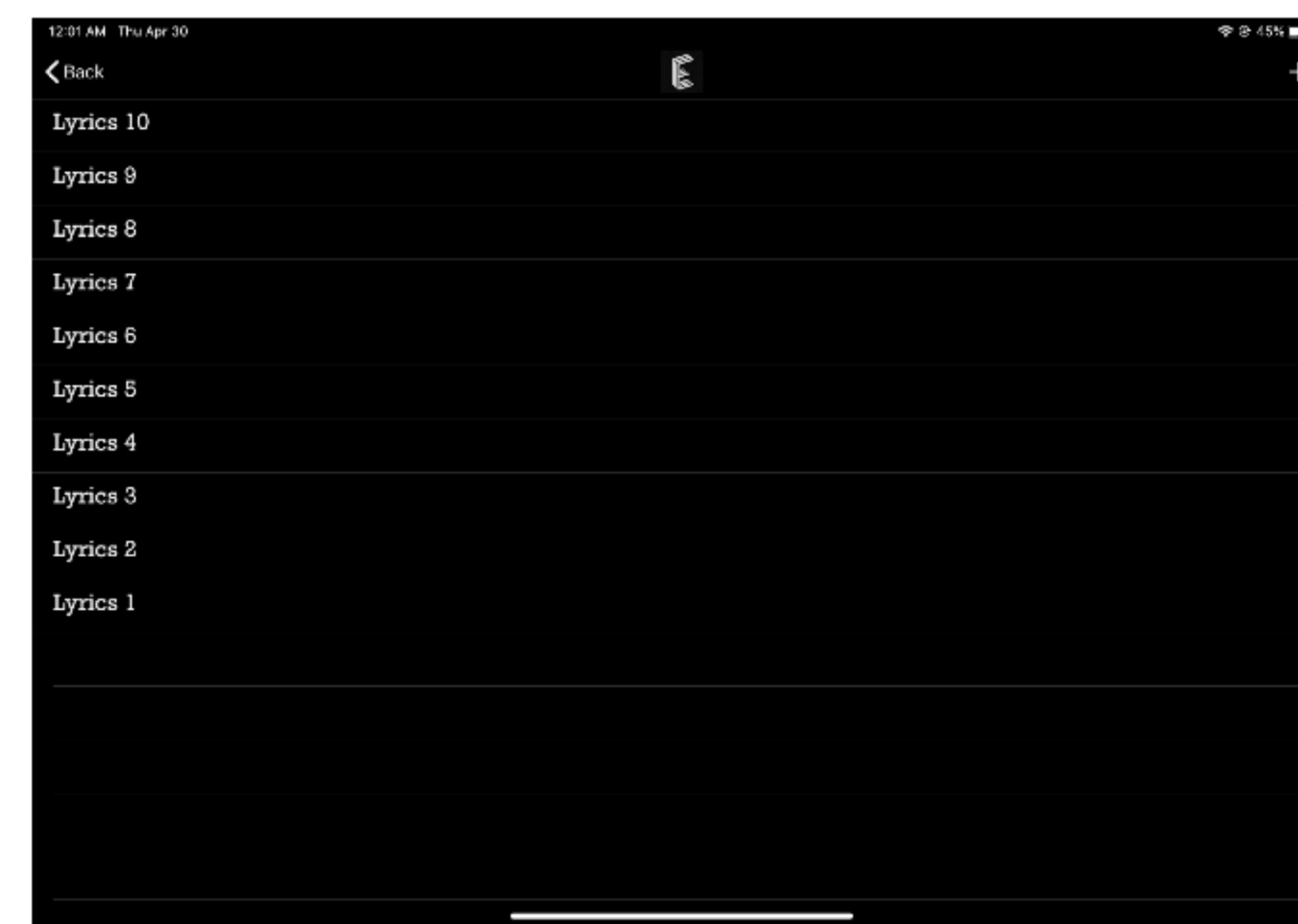
Virtual piano with adjustable keys



Recording virtual piano and musicians



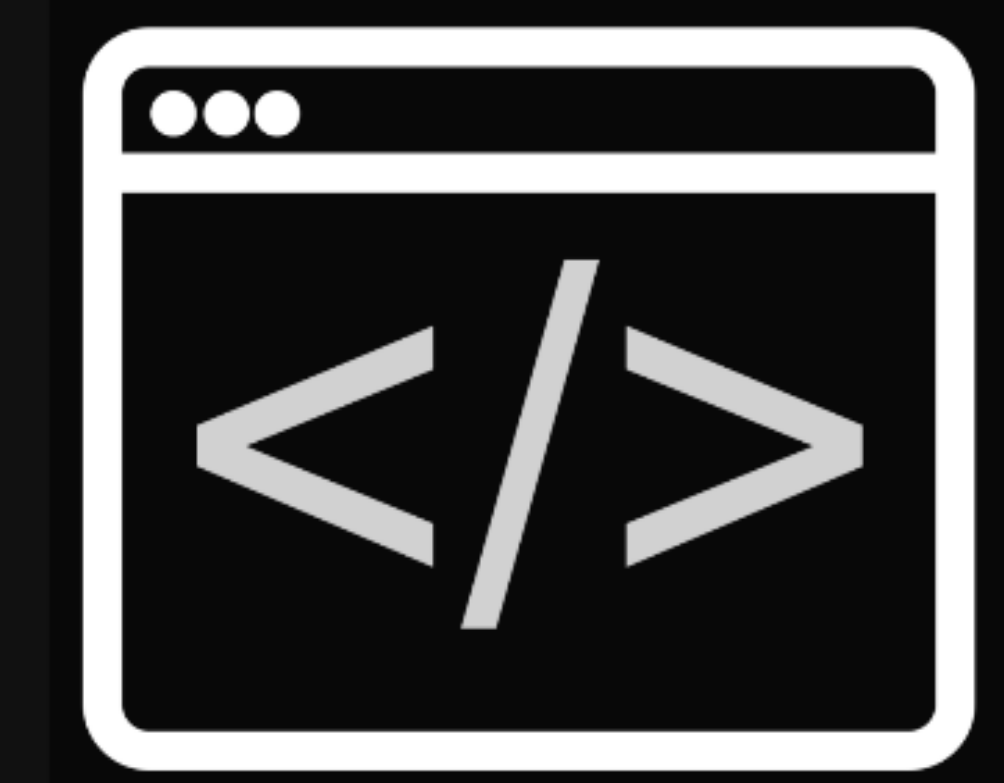
Writing and storing lyrics



Accessing lyrics and recordings whenever you can

ECHO vs OTHER MEMO

	Notes	Virtual Piano	For Musicians	Birthplace of Next Hit
Echo	✓	✓	✓	✓
Other Memos	✓	✗	✗	✗



TECHNOLOGIES

- ▶ Swift 5
- ▶ Sketch for UI design
- ▶ NavigationView and TableView program flow
- ▶ AVFoundation framework for piano sound
- ▶ UserDefaults interface for storing data

FUTURE

- ▶ MIDI file generator
- ▶ Larger sound bank for the keyboard
- ▶ Online community based on sharing musical inspirations