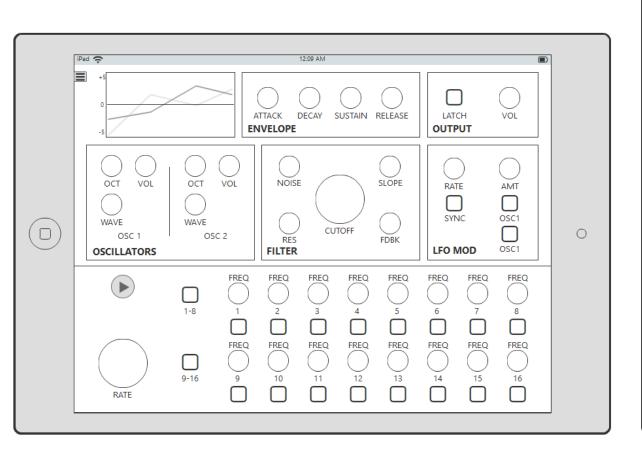
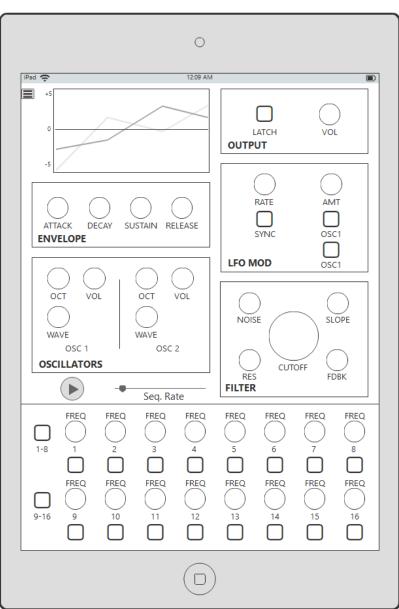
# iOS Synthesizer and Sequencer

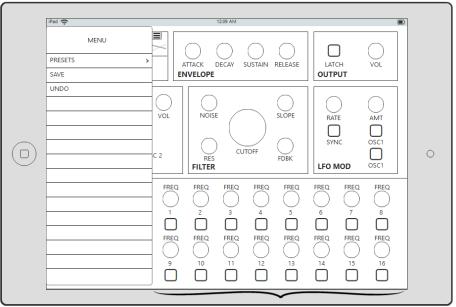
Created by: Travis Barnes

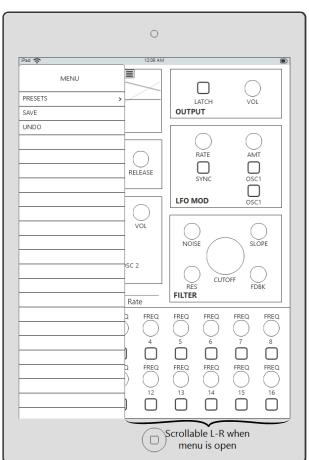
Auto Layout (Landscape/Portrait iPad)

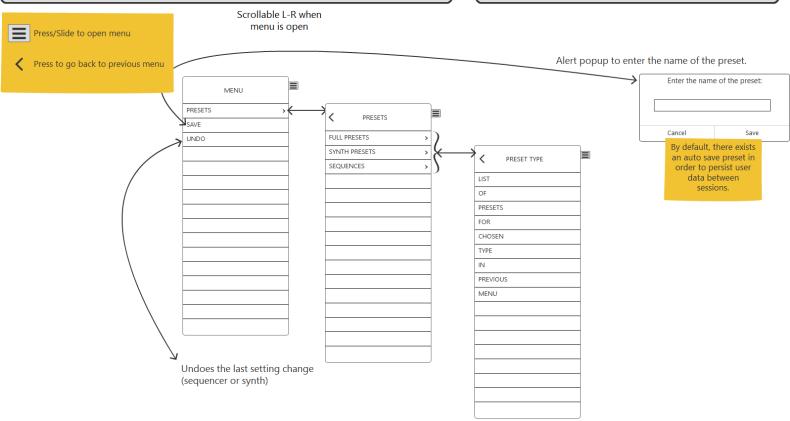




### Menu







### PRESET

Name: String

SequencerSettings: SeqSet

SynthSettings: SynSet

## Data Model

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Keeping the synth and sequencer settings separate will allow the user to mix and match saved synth programs and sequence patterns.

#### SYNSET

Osc1Oct: Num

Osc1Wave: Num

Osc1Vol: Num

Osc2Oct: Num

Osc2Wave: Num

Osc2Vol: Num

Attack: Num

Decay: Num

Sustain: Num

Release: Num

Cutoff: Num

Noise: Num

Resonance: Num

Feedback: Num

Slope: Num

ModRate: Num

ModAmount: Num

ModSync: Bool

ModOsc1: Bool

### SEQSET

Freq1: Num

Freq2: Num

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. .

. .

Freq16: Num

Step1On: Bool

Step2On: Bool

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. .

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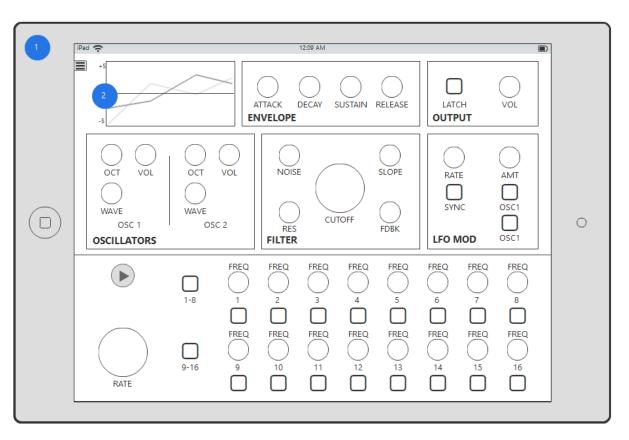
Step16On: Bool

Step1to8: Bool

Step9to16: Bool

StepRate: Num

### "The Interesting"



- The entire application is based on creating sound (covers "play sounds").
- Custom view which draws the wave being produced by the synthesizer.

