app.js const audioModel = new AudioModel(); Controller MidiController model; controller = controller; midiAccess = null; deviceName = "Arturia MiniLab mkII"; mainFrame = document.getElementById('mainFrame'); display = document.getElementById('display'); initializeMIDI(): null knobs = document.querySelectorAll('.knob'); displayMenu = document.getElementById('displayMenu'); setupMIDIInput(): null knobMenu = document.getElementById('knobMenu'); handleMIDIMessage(event): null presetOptions = document.getElementById('presetOptions'); pedalOptions = document.getElementById('pedalOptions'); presetSelect = document.getElementById('presetSelect'); pedalSelect = document.getElementById('pedalSelect'); knobElements = document.querySelectorAll('.knob'); keys = document.querySelectorAll('.key'); blacKeys = document.querySelectorAll('.blacKey'); displayPads=document.querySelectorAll('.pad'); TouochController flipLed(id): null controller = controller; flipKey(id): null initialValue = 0;flipPad(idx): null attachKeysEventListeners(this.controller.keys); attachKeysEventListeners(this.controller.blacKeys); - preventRightClick(): none - displayContextMenu(): none - knobContextMenu(): none attachKnobEventListeners(): null - presetSelectClick(): none attachKeysEventListeners(keys): null attachPadsEventListeners(): null pedalSelectClick(): none - documentClick(): none handleContextMenu(event, view, contextMenu): none Model audioModel = audioModel; pads = [0, 0, 0, 0, 0, 0, 0, 0]; pressedKeys = {}; sustainedNotes = {}; isSustainPedalDown = false; updateKnobLevel(idx, value): null handleControlChangeEvent(controllerNumber, value): { knob } refreshAudioParameters(): null handleSustain(note): null handleNoteOn(note): { display, ledSelector, keySelector } handleNoteOff(note): { display, ledSelector, keySelector } handlePadOn(note): boolean handlePadOff(note): { display, padIndex }

AudioModel mainGain = this.context.createGain(); keyGain = this.context.createGain(); drumGain = this.context.createGain(); analyser = this.context.createAnalyser(); analyser.fftSize = 256; compressor = this.context.createDynamicsCompressor(); keyGain.connect(this.mainGain); drumGain.connect(this.mainGain); mainGain.connect(this.analyser); analyser.connect(this.compressor); compressor.connect(this.context.destination); bufferLength = this.analyser.frequencyBinCount; dataArray = new Uint8Array(this.bufferLength); attackNote = 0.01; releaseNote = 0.10; getAmplitude(): amplitude setMainGain(value): null setKeyGain(value): null setDrumGain(value): null playNote(note): { oscillator, gainNode } stopNote(note): null playKick(): null playSnare(): null

playClosedHiHat(): null
playCrashCymbal(): null