writeMidiFile

writeMidiFile(path, midiSequence)

Description

Function to write a MIDI file (.mid) to disk.

Available in: Controller.

Arguments

path	The path and file name of the MIDI file.	string
midiSequence	The MIDI sequence table that contains the data. The structure of the table is defined in the MIDI Sequence Table.	table

Return Values

Returns `true` if the MIDI file was written successfully and `false` if not.

Example

```
-- produce a minor scale and write it to a MIDI file

-- create MIDI sequence table
midiSequence = { tracks = { { events = {} } } }

-- initialize variables
minorScaleIntervals = { 0, 2, 3, 5, 7, 8, 10, 12 }
root = 60  -- C3
ppqPosition = 0

-- produce the events of the minor scale
for i, interval in ipairs(minorScaleIntervals) do

    local note = root + interval

    -- create note-on event
    local noteOn = Event(EventType.noteOn)
    noteOn.note = note
    noteOn.velocity = 100
    noteOn.ppqPosition = ppqPosition

    -- create note-off event
    local noteOff = Event(EventType.noteOff)
    noteOff.note = note
    noteOff.ppqPosition = ppqPosition + 1

    -- insert the events in the MIDI sequence table
    insertEvent(midiSequence.tracks[1].events, noteOn)
    insertEvent(midiSequence.tracks[1].events, noteOff)

    ppqPosition = ppqPosition + 1

end

-- write the MIDI sequence table as .mid file to disk
saveState = writeMidiFile ("c:/temp/test.mid", midiSequence) --[[ please set the file path to the desired
                                                                 location on your system before you run
                                                                 the script ]]

if saveState then
    print("The MIDI file was successfully written.")
else
    print("The MIDI file could not be written!")
end
```

See Also: readMidiFile, insertEvent, sortEvents, MIDI Sequence Table, MIDI File Format Types