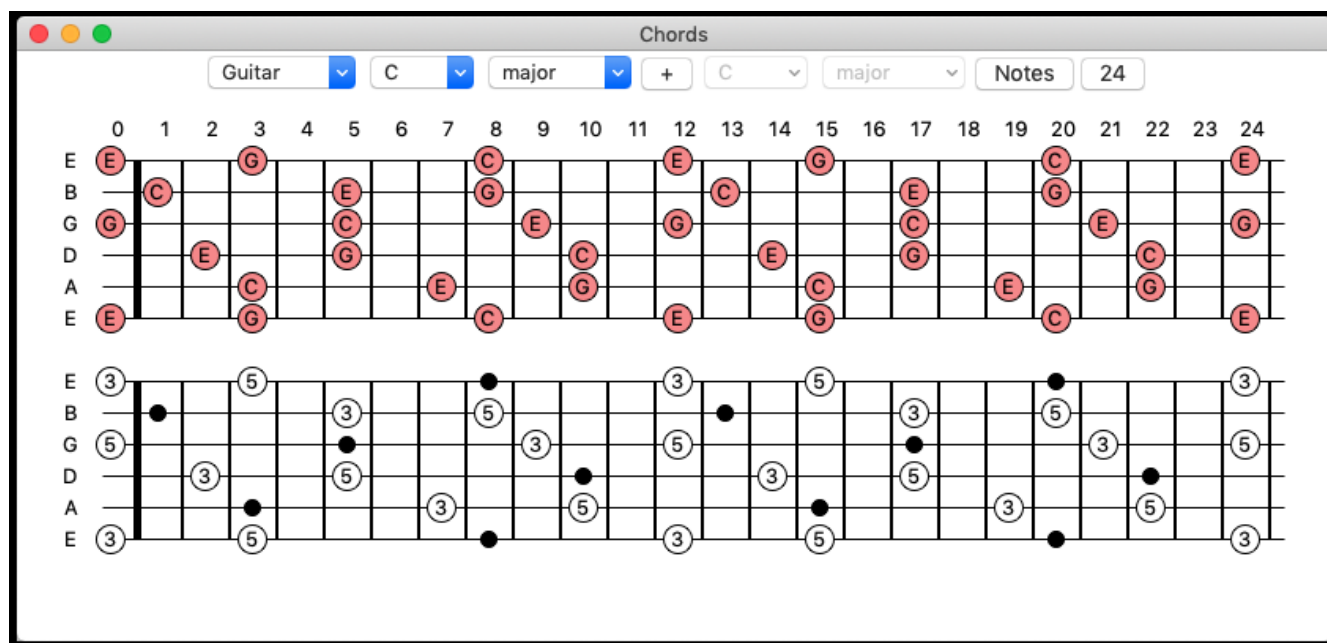


A few music related utilities I've written. I wrote them using Python 2 but they run with Python 3.

Greg Girardin
Lewiston, ME
December 2020

chords.py - A python fretboard display utility. Uses tkInter. Click the instrument, key and chord/scale you want to display. Click '+' to mix a 2nd chord. The left chord will be red, the right chord will be blue, and notes in both chords will be blue-green.



tab.py – Terminal based tablature creator for quickly getting down ideas. Tab can be export as txt or html.

```
Python
Name: Song, 2 measures, 6 beats in measure.

1      2
|-----|-----|
E -1-----6-----|-----|
B -2-----5-----|-----|
G -3-----4-----|-----|
D -2-----3-----|-----|
A -3-----4-----|-----|
E -4-----5-----|-----|

Use arrows to move cursor
>< Forward / back measure
~1234567890~ note at (0-12, 7-18, 12-24)
o Offset      a/I Add/Insert beat
d Delete beat sp Clear note
m Add measure c/p Copy/Paste
n Annotate    h Highlight
r Rename song b Page break
R Repeat     s Save
I/L Load/Reload x/X Export (txt / html)
I Instrument  q Quit
```

setlist.py - Allows you to generate an html setlist file from lyrics.

To use, put all of your lyrics as txt files in a directory.

[illegible]

In a terminal window run `setlist.py` from your lyrics directory. It will scan the local directory for lyrics (.txt files) and these will show up in the library.

```

-- Library --
A Day In The Life
All Day All Night
American Band
Are You Gonna Be My
Back In The USSR
Beds Are Burning
Blackbird
Brain Stew
Can't Get Enough
Chip Away The Stone
Color Blind

Ace Of Spades
All The Heaven Will Allow
American Girl
Are You Gonna Go With Me
Bad Case Of Love You
Better Be Home Soon
Bobby McGee
Breakin' The Law
Careless Whisper
Closing Time
Come Out And Play

Ain't Talkin' Bout Love
All These Things I've Done
Amie
Authority Song
Bad Fish
Black Betty
Born To Be Wild
Brown Sugar
Castles In The Air
Cold Gin
Come Monday

Ain't No Sunshine
All Things All At Once
And Lover
Babylon
Baker Street
Black Hole Sun
Born To Be Wild
California Dreamin'
Chasing Cars
Color My World
Comedown

```

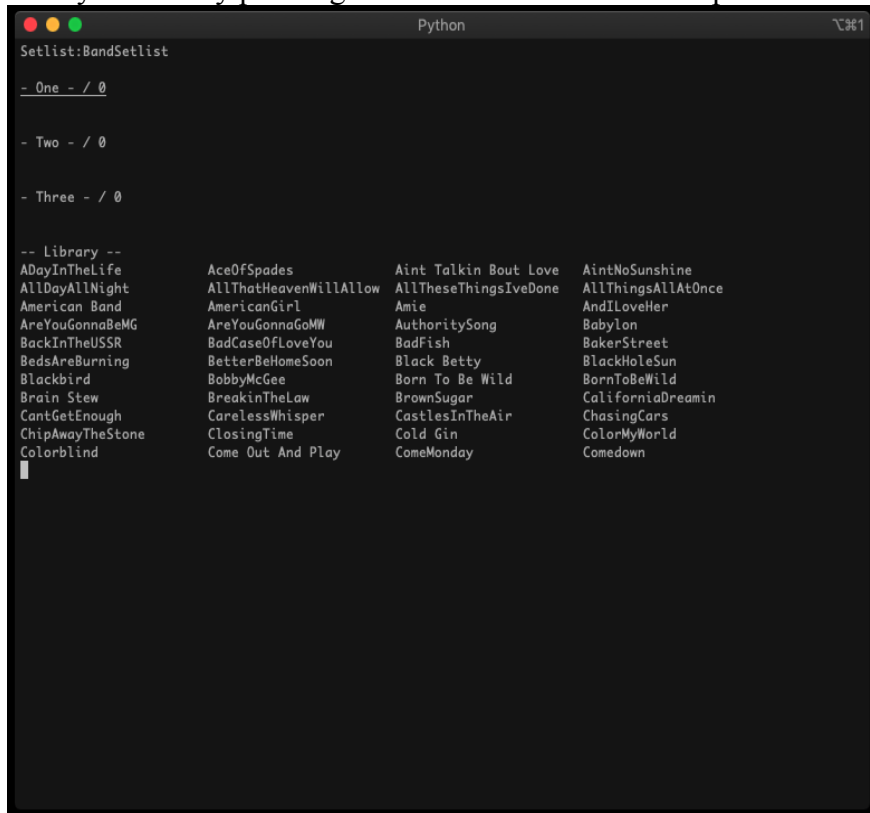
Press '?' to see the available commands.

Name your list by pressing 'N'. This will be the filename.

Add sets with "a", (delete with 'A'). Navigate to the Library with arrow keys (or hjkl).

You can jump to a specific set by pressing '12345..', you can jump to the library by pressing ~.

Name your sets by pressing 'n' while the cursor is in the particular set.



```
Python
Setlist:BandSetlist

- One - / 0

- Two - / 0

- Three - / 0

-- Library --
A Day In The Life    Ace Of Spades      Aint Talkin Bout Love  Aint No Sunshine
All Day All Night    All That Heaven Will Allow  All These Things I've Done  All Things All At Once
American Band        American Girl       Amie                    And I Love Her
Are You Gonna Be MG   Are You Gonna Go MW   Authority Song          Babylon
Back In The USSR     Bad Case Of Love You  Bad Fish               Baker Street
Beds Are Burning     Better Be Home Soon   Black Betty            Black Hole Sun
Blackbird            Bobby McGee          Born To Be Wild        Born To Be Wild
Brain Stew           Breakin The Law       Brown Sugar            California Dreamin
Cant Get Enough      Careless Whisper     Castles In The Air     Chasing Cars
Chip Away The Stone  Closing Time         Cold Gin               Color My World
Colorblind           Come Out And Play    Come Monday            Comedown
```

Navigate to the library. Add songs to the clipboard by pressing 'c' with the cursor over the desired song.

```
Python
Setlist:BandSetlist

- One - / 0

- Two - / 0

- Three - / 0

-- Library --
ADayInTheLife      AceOfSpades      Aint Talkin Bout Love  AintNoSunshine
AllDayAllNight     AllThatHeavenWillAllow  AllTheseThingsIveDone  AllThingsAllAtOnce
American Band      AmericanGirl      Amie                   AndILoveHer
AreYouGonnaBeMG     AreYouGonnaGoMW    AuthoritySong          Babylon
BackInTheUSSR      BadCaseOfLoveYou  BadFish               BakerStreet
BedsAreBurning     BetterBeHomeSoon  Black Betty           BlackHoleSun
Blackbird          BobbyMcGee        Born To Be Wild       BornToBeWild
Brain Stew         BreakinTheLaw     BrownSugar            CaliforniaDreamin
CantGetEnough      CarelessWhisper   CastlesInTheAir       ChasingCars
ChipAwayTheStone   ClosingTime       Cold Gin              ColorMyWorld
Colorblind         Come Out And Play  ComeMonday            Comedown

-- Clipboard --
ADayInTheLife      AceOfSpades      Aint Talkin Bout Love  AintNoSunshine
AllDayAllNight     AllThatHeavenWillAllow  AllTheseThingsIveDone
```

Paste the clipboard by navigating to the desired location in the desired set and pressing 'p'.

```
Python
Setlist:BandSetlist

- One - / 0

- Two - / 7
ADayInTheLife      AceOfSpades      Aint Talkin Bout Love  AintNoSunshine
AllDayAllNight     AllThatHeavenWillAllow  AllTheseThingsIveDone

- Three - / 0

-- Library --
ADayInTheLife      AceOfSpades      Aint Talkin Bout Love  AintNoSunshine
AllDayAllNight     AllThatHeavenWillAllow  AllTheseThingsIveDone  AllThingsAllAtOnce
American Band      AmericanGirl      Amie                   AndILoveHer
AreYouGonnaBeMG     AreYouGonnaGoMW    AuthoritySong          Babylon
BackInTheUSSR      BadCaseOfLoveYou  BadFish               BakerStreet
BedsAreBurning     BetterBeHomeSoon  Black Betty           BlackHoleSun
Blackbird          BobbyMcGee        Born To Be Wild       BornToBeWild
Brain Stew         BreakinTheLaw     BrownSugar            CaliforniaDreamin
CantGetEnough      CarelessWhisper   CastlesInTheAir       ChasingCars
ChipAwayTheStone   ClosingTime       Cold Gin              ColorMyWorld
Colorblind         Come Out And Play  ComeMonday            Comedown
```

Songs can be rearranged in the set by moving the cursor over the song and pressing 'm'. Move the song to the desired location and press 'm' again to return to cursor to normal mode. Sets can be rearranged by pressing 'M'. Press 'M' again to return to normal mode.

If a song is in the setlist more than once it will be highlighted in blue. If you're in the library and the song you're on is already in the setlist the song will be highlighted.

If you wish to highlight songs. Press 'h' with the cursor over the song. These songs will show up as red in the exported setlist. This is useful for indicating which songs are homework, new, or what have you.

Once the setlist is complete, press 's' to save. A file called "BandSetList.set" will be generated. You can edit this setlist later by pressing 'o'.

Press 'x' to export the list. "BandSetList.html" will be placed in the current directory. This is your setlist to be viewed in a browser. Click / tap the song title (the title is the first line of each lyric file) to expand/hide the lyrics.



The screenshot shows a web browser window with the address bar displaying "GBI.html". The browser's address bar also shows the file path: "/Users/ggirardin/Google%20Drive/GBI.html". The browser's toolbar includes icons for Facebook, Hotmail, Twitter, Strava, Dropbox, Vid, Finance, and Pol. The main content area of the browser displays the title "GBI" in a large, bold, black font. Below the title, the word "One" is displayed in a smaller, bold, black font. The setlist is a list of 13 songs, each with its title and lyrics. The first two songs, "1) No Woman No Cry" and "2) Lean On Me", are highlighted in a light gray background. The lyrics for "Lean On Me" are displayed below the title. The remaining songs in the list are: "3) We Can Work It Out", "4) Wichita Lineman", "5) Holding back the years", "6) Lucky Man", "7) Do It Again", "8) Mad World", "9) Fragile", "10) It's Probably Me", "11) All things all at once", "12) Crazy (Cee Lo)", and "13) Spooky".

GBI

One

1) No Woman No Cry

2) Lean On Me

V: C F C Em G - C F C G C
B: C G C

Sometimes in our lives we all have pain we all have sorrow
But if we are wise we know that there's always tomorrow

Lean on me, when you're not strong and I'll be your friend I'll help you carry on
For it won't be long 'til I'm gonna need somebody to lean on

Please swallow your pride if I have things you need to borrow
For no one can fill those of your needs that you won't let show

So just call on me brother, when you need a hand
We all need somebody to lean on
I just might have a problem that you'd understand
We all need somebody to lean on

Lean on me, when you're not strong and I'll be your friend I'll help you carry on
For it won't be long 'til I'm gonna need somebody to lean on

So just call on me brother, when you need a hand...

If there is a load you have to bear that you can't carry
I'm right up the road, I'll share your load if you just call me
call me...

3) We Can Work It Out

4) Wichita Lineman

5) Holding back the years

6) Lucky Man

7) Do It Again

8) Mad World

9) Fragile

10) It's Probably Me

11) All things all at once

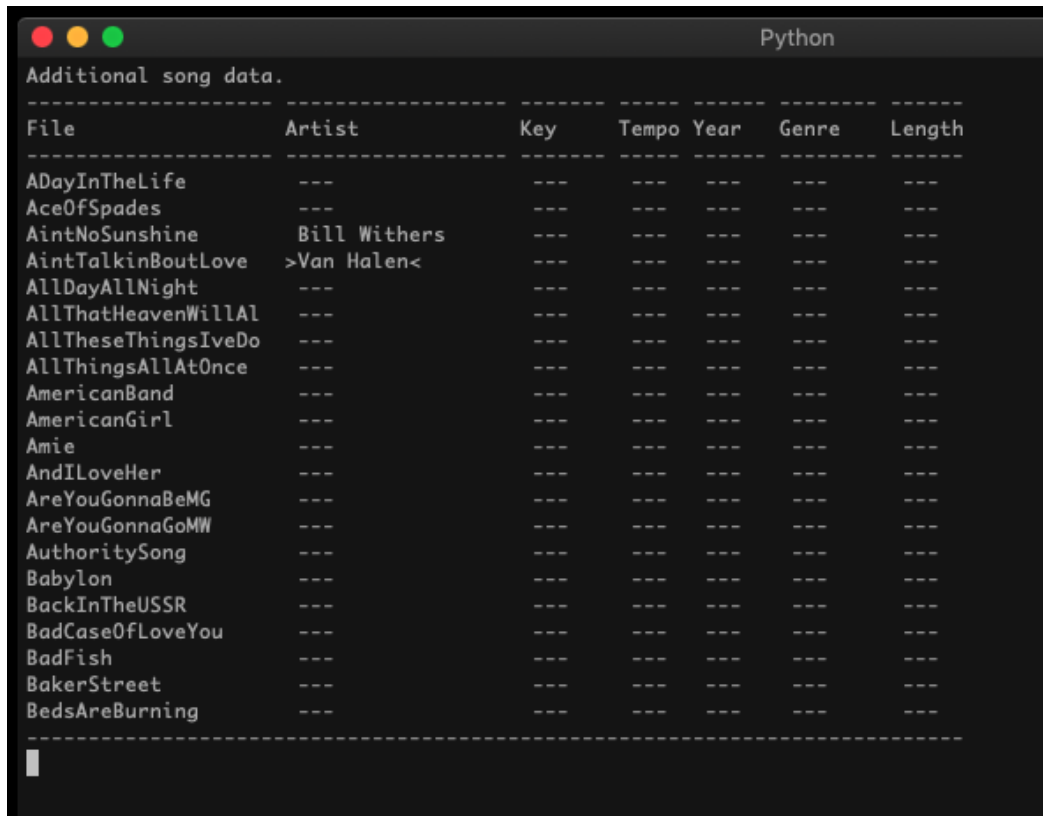
12) Crazy (Cee Lo)

13) Spooky

Additional Song Data

Additional information about a lyric file can be provided. This information is saved in a separate file from the lyrics.

Press 'e' to edit song data, you'll see this screen:



File	Artist	Key	Tempo	Year	Genre	Length
ADayInTheLife	---	---	---	---	---	---
AceOfSpades	---	---	---	---	---	---
AintNoSunshine	Bill Withers	---	---	---	---	---
AintTalkinBoutLove	>Van Halen<	---	---	---	---	---
AllDayAllNight	---	---	---	---	---	---
AllThatHeavenWillAl	---	---	---	---	---	---
AllTheseThingsIveDo	---	---	---	---	---	---
AllThingsAllAtOnce	---	---	---	---	---	---
AmericanBand	---	---	---	---	---	---
AmericanGirl	---	---	---	---	---	---
Amie	---	---	---	---	---	---
AndILoveHer	---	---	---	---	---	---
AreYouGonnaBeMG	---	---	---	---	---	---
AreYouGonnaGoMW	---	---	---	---	---	---
AuthoritySong	---	---	---	---	---	---
Babylon	---	---	---	---	---	---
BackInTheUSSR	---	---	---	---	---	---
BadCaseOfLoveYou	---	---	---	---	---	---
BadFish	---	---	---	---	---	---
BakerStreet	---	---	---	---	---	---
BedsAreBurning	---	---	---	---	---	---

If present it will be added within the generated setlist file at export. In the set list editor screen you can use “[“ and “]” to view songs based on this additional data. Songs which match will be highlighted in red. This is useful for seeing which songs are all in a certain key, fit a certain genre, or what have you.

Lyric Files

Lyrics files are text files with a .txt extension. The first line in the file must be the name of the song and will be used as the title of the song in the generated setlist (instead of the filename).

If the second character of a line is '|' or ':', the line will be printed using a fixed font. This allows tablature or chords to be aligned. eg. 'E|', 'A|', 'D|', 'G|' or 'C: A E D'. Alternatively the user can toggle the use of a fixed font by putting “f!” in a line in the file.

You can also put in html tags as they will be pasted directly into the output file.