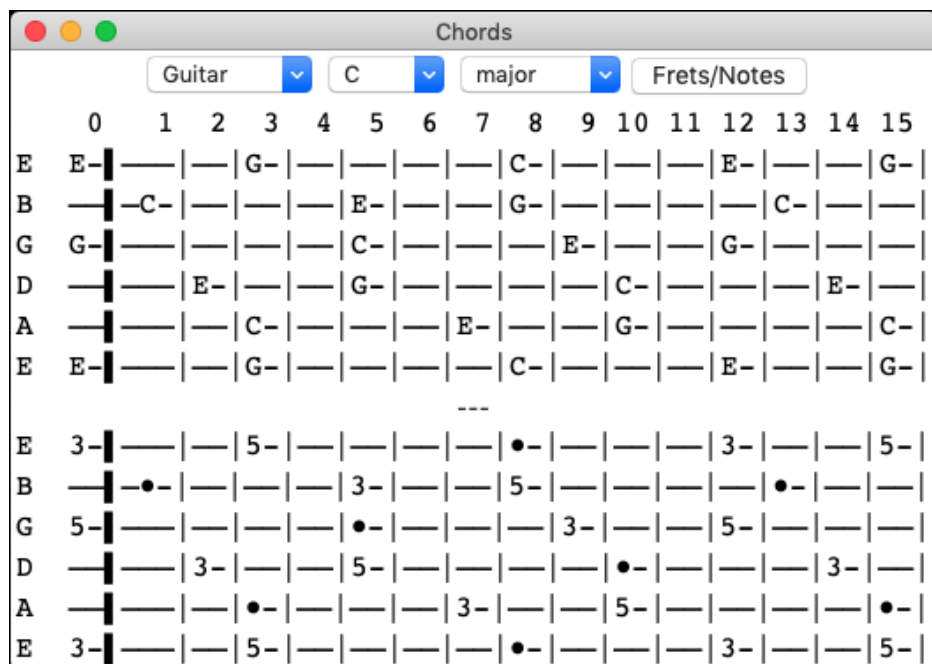


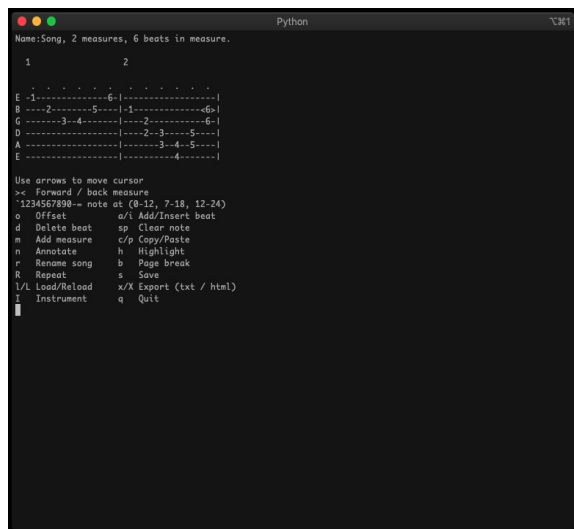
A few music related utilities I've written. I wrote them using Python 2 but they run with Python 3.

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**chords.py** - A python fretboard display utility. Uses tkinter. Click the instrument, key and chord/scale you want to display.



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



**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.

```
Greggs-MBP:chords ggrindin$ ls
AdayInTheLife.txt      CutsLike.txt          Hot Girls In Love.txt  NeverLetMeDown.txt    SummerBreeze.txt
AceOfSpades.txt        Dano.txt              House Is a Rockin.txt  NeverTearUApart.txt   SummerOf69.txt
Aint Talkin Bout Love.txt  DannySong.txt         HowSoonIsNow.txt       NoMatterWhat.txt       Sunshine.txt
AintNoSunshine.txt       DearMrFantasy.txt     HurtSoGood.txt          NoWomanNoCry.txt       Superstitious.txt
AllDayAllNight.txt       DevilAndADeal.txt     IAllone.txt            NorwegianRoad.txt      Surly Joe.txt
AllTheHeavenWillAllow.txt  DontAgain.txt         ICanSeeClearlyNow.txt  Old Man Down the Road.txt  Symphony Of Destruction.txt
AllTheseThingsIveDone.txt  DontDreamIsOver.txt   ILoveRockAndRoll.txt  OldMan.txt            TNT.txt
AllThingsAllAtOnce.txt    DontLetMeDown.txt     ItIllCureForYou.txt    One Of Us.txt         Tequila Sunrise.txt
American Band.txt        DontYouForgetAboutMe.txt  IWillFollow.txt       One Way Out.txt       Teardrops.txt
AmericnGirl.txt          Drive-Cars.txt         IdLoveToChangeTheWorld.txt  OneThingLeads.txt     The Middle.txt
Amie.txt                 Drive-Tenacious.txt    If.txt                 OneWayOrAnother.txt   The Voice.txt
AndILoveller.txt        Drive-MyLifeAway.txt   InAFire.txt            Paralyzer.txt          TheSmiler.txt
AreYouGonnaBeMG.txt      EightDaysAWeek.txt    Imigrant Song.txt      Piece of Your Action.txt  TheLetter.txt
AreYouGonnaGoMw.txt      EndOfTheLine.txt       InterstateLoveSong.txt  PlayThatFunky.txt     TheOneLove.txt
AuthoritySong.txt        Enter Sandman.txt      JealousGoin.txt        PleaseComeToBoston.txt  TheHordKnow.txt
Babyon.txt              Everybody Wants Some.txt  Jailbreak.txt          Plush.txt              Thunderkiss.txt
BackInTheUSSR.txt        Everybody Wants You.txt  JealousGoin.txt        PrettyWoman.txt         TimMan.txt
BadCaseOfLoveYou.txt     EverythngIAboutYou.txt  Jenny.txt               TractorsSexy.txt       TrainsKeepRollin.txt
BadFish.txt              FakinPlasticTrees.txt  JohnnyGoode.txt         Trouble.txt              Tush.txt
BakersStreet.txt         FallOwe.txt            KeepYourHandsToYourself.txt  Pride.txt              TwilightZone.txt
BedsAreBurning.txt       FastAsYou.txt          Knights.txt              Purple Rain.txt         TwoPines.txt
BetterBelongSoon.txt     FeallikeMakinLove.txt  Kryptonite.txt         Radiolox.txt           UnderTheMilkyWay.txt
BlackBird.txt            FireOnTheMountain.txt   LaRange.txt            RebelRebel.txt          UntilTheEndOfTheWorld.txt
Blackbird.txt            Flagopolisita.txt       LeardWe.txt            RebelVell.txt           Untitled.txt
BobbyMcGee.txt           FooladRound.txt        LetsDance.txt          RedAin.txt              VenturesHighway.txt
BornToBeWild.txt         ForTheSummer.txt       LetsGoCrazy.txt        RidersOnTheStorm.txt   WannasDedated.txt
Brain Stew.txt           Fragile.txt             Life During Martine.txt  Ripple.txt              Warning.txt
BreakInTheLow.txt        Free.txt                LifeInTheFastLane.txt  Roadhouse Blues.txt    We Die Young.txt
BrownSugar.txt           Gal.txt                 Lights.txt              Rock And Roll.txt      WeCanWorkItOut.txt
CaliforniaDreamin.txt    GirlLikeYou.txt         LikeASong.txt           Round And Round.txt    WeJustDisagree.txt
CantGetEnough.txt        GirlsGottaBitch.txt     LikeASong.txt           Runaround.txt           What I like about you.txt
CarelessWhisper.txt      GodPutAGlze.txt         LogicalSong.txt         SafetyDance.txt         WhatIsnt.txt
CastlesInTheAir.txt      Good.txt                LongGoneDay.txt         SameOldSongAndDance.txt  WhatYouNeed.txt
ChasingCars.txt          GetMeUnderPressure.txt  Looks That Kill.txt     Sandman.txt             WhatYouWantDo.txt
ChipmunkTheStone.txt     Hand In Pocket.txt      LosingMyReligion.txt    SecretAgentMan.txt      WhatInTheSky.txt
ClosingLine.txt          HandleWithCare.txt      LoveIsAlive.txt         SellingTheDrama.txt     When I Come Around.txt
Cold Gin.txt             HarderTheyCome.txt      LoveMeTwoTimes.txt     Sex Type Thing.txt      Where The River Flows.txt
Colorblind.txt           HarvstMoon.txt          LoveSong.txt            Shanty.txt              Whole Lotta Rosie.txt
Come Out And Play.txt    HeartOfTheMatter.txt    LoverYouShouldHave.txt  Sharp Dressed Man.txt  Wicked Garden.txt
ComeMonday.txt           HelloItsMe.txt          LucyInTheSky.txt        Shimmer.txt             WickedGame.txt
Comedown.txt             Hemorrhage.txt          MadWorld.txt            Shine.txt                WishYouwereHere.txt
Cool Water.txt           HerStrut.txt            Man In The Box.txt     Slaghammer.txt          WishOWhitoutYou.txt
CoolChange.txt           HereComesTheSun.txt     Moby Dick.txt          SmellsLikeTeen5.txt     Wonderwall.txt
Crackman.txt             HereWithYou.txt         MyOwnMorstEnemy.txt    SmoothOperator.txt      WorkingForTheWeekend.txt
Crazy From.txt           HorsesWithYourBestShot.txt  MysteryousRays.txt     SomeKindWonderful.txt  WrepperaroundYourFinger.txt
Crazy(Geal).txt          HoldingBackTheYears.txt  MySharon.txt           SouthernCross.txt       Yellow.txt
Crazy.txt                Holiday.txt              MySharon.txt           Spooky.txt              You May Be Right.txt
CryMeATiver.txt          Homework.txt             MysteriouRays.txt      StandByMe.txt           YouReally Got Me.txt
Crying.txt               HorsesWithYourBestShot.txt  Never Gonna Stop.txt    StuckInTheMiddle.txt   YouGnAnother.txt
Cumberson.txt            HorseshitNoName.txt     Supersugar.txt          SugarSugar.txt           YouRecMe.txt
Greggs-MBP:chords ggrindin$
```

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.

```
Python
Setlist:SetList

-- Library --
AdayInTheLife      AceOfSpades      Aint Talkin Bout Love  AintNoSunshine
AllDayAllNight     AllTheHeavenWillAllow  AintNoSunshine        AllThingsAllAtOnce
American Band      AmericanGirl     Amie                   AndILoveller
AreYouGonnaBeMG     AreYouGonnaGoMw  AuthoritySong          Babylon
BackInTheUSSR      BadCaseOfLoveYou  BadFish               BakerStreet
BedsAreBurning     BetterBelongSoon  Black Betty           Blackbird
Brain Stew          BreakInTheLow    BrownSugar            CaliforniaDreamin
CantGetEnough      CarelessWhisper  Brownsugar            ChasingCars
ChipmunkTheStone   ChasingCars      Cumberson             Cold Gin
Colorblind          Come Out And Play  ComeMonday            Comedown
```

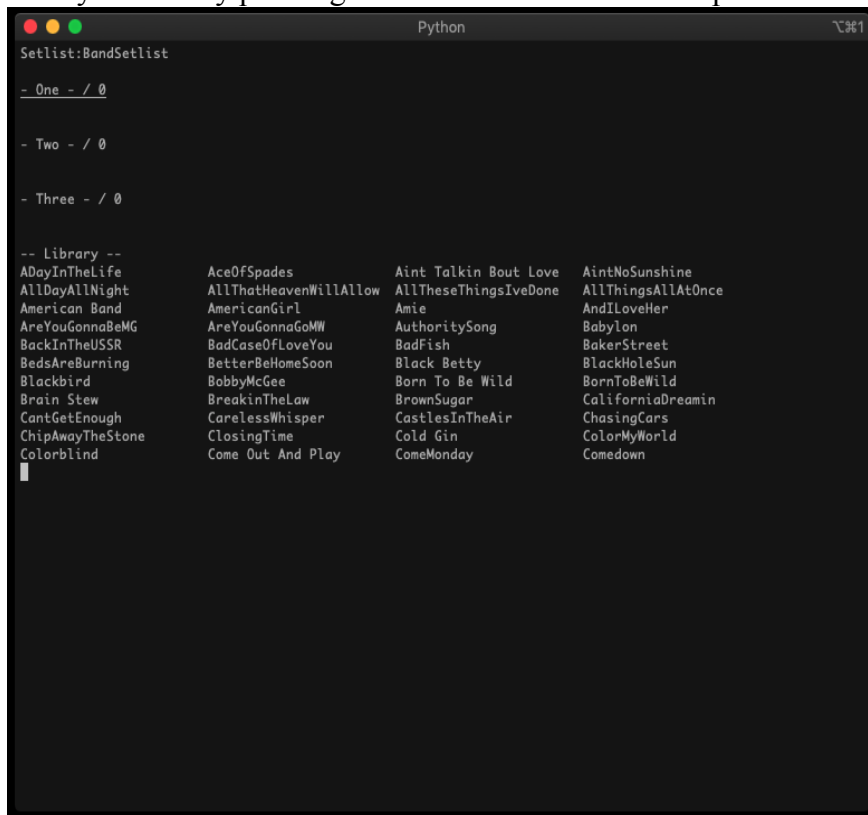
Press '?' to see the available commands.

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

Add sets with "a". Navigate to the Library with the up/down/left/right/d/f. hjkl function as left/down/up/right.

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.



The screenshot shows a terminal window titled "Python" with a dark background. The application is titled "Setlist:BandSetlist". It displays a list of sets and a library of songs.

```
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
```

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  AintNoSunshine
```

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  AintNoSunshine

- 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" and the file path "/Users/ggirardin/Google%20Drive/GBI.html". The browser's toolbar includes icons for Facebook, Hotmail, Twitter, Strava, Dropbox, and various folders like Vid, Finance, and Pol. The main content area has a large heading "GBI" followed by a subheading "One". Below this is a numbered list of 13 songs. The second song, "Lean On Me", is highlighted in blue. The lyrics for "Lean On Me" are displayed below the song title. The list of songs continues with "We Can Work It Out", "Wichita Lineman", "Holding back the years", "Lucky Man", "Do It Again", "Mad World", "Fragile", "It's Probably Me", "All things all at once", "Crazy (Cee Lo)", and "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

# 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).

A few shortcuts that can be put in lyric files that setlist.py will interpret:

"c!" will be replaced with "Chorus"

"s!" will be replaced with "Solo"

"t!" will toggle usage of a fixed sized font (For tablature to keep it aligned)

“h!” will be replaced with “**Harmonica**”

You can also put in html tags as they will be pasted directly into the output file and the browser will simply interpret them.

For example, this txt file:

```
Sledgehammer
t!
B 10-----|-----|
G ---12-10-----|-----14-----|
D -----12-10-12----12-14-12-|10-12-14----14-12-10-12-|

I: D D Bb Bb/A G
V: D Bm
C: Bm C Em7
O: Dm Bb7 G7
t!

Hey use it, everybody use it!
You could have a steam train, if you'd just lay down your tracks.
You could have an aeroplane flying, if you bring your blue sky back.
All you do is call me I'll be anything you need.

You could have a big dipper, going up and down, around the bends.
You could have a bumper car bumping, this amusement never ends.

· I wanna be your sledgehammer. Why don't you call my name?
· Oh, let me be your sledgehammer, this will be my testimony.

Show me round your fruitcage 'cos I will be your honey bee.
Open up your fruitcage, where the fruit is as sweet as can be.

c!

s!

I've kicked the habit, shed my skin
This is the new stuff I go dancing in
Won't you show for me, I will show for you

You've been coming through, going to build that power
I've been feeding the rhythm..
Come on help me through...
```

Will look like this in the set list html:

## 1) Sledgehammer

B 10-----|-----|  
G ---12-10-----|-----14-----|  
D -----12-10-12----12-14-12-|10-12-14----14-12-10-12-|

I: D D Bb Bb/A G

V: D Bm

C: Bm C Em7

O: Dm Bb7 G7

Hey use it, everybody use it!  
You could have a steam train, if you'd just lay down your tracks.  
You could have an aeroplane flying, if you bring your blue sky back.  
All you do is call me I'll be anything you need.

You could have a big dipper, going up and down, around the bends.  
You could have a bumper car bumping, this amusement never ends.

I wanna be your sledgehammer. Why don't you call my name?  
Oh, let me be your sledgehammer, this will be my testimony.

Show me round your fruitcage 'cos I will be your honey bee.  
Open up your fruitcage, where the fruit is as sweet as can be.

### Chorus

### Solo

I've kicked the habit, shed my skin  
This is the new stuff I go dancing in  
Won't you show for me, I will show for you

You've been coming through, going to build that power  
I've been feeding the rhythm..  
Come on help me through...