

# Guitar Getter

## 1) SQL file (compatible with PostgreSQL) to create the database

I have uploaded this file with the project zip files and in a separate zip file.

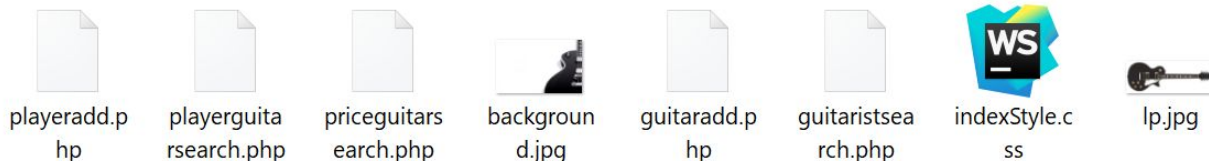
## 2) SQL commands file (compatible with PostgreSQL) to populate the initial database

I have uploaded this file with the project zip files and in a separate zip file.

## 3) Code for the web interface highlighting the interactions that specified in Project 1 or have been revised by the course staff

Code for all parts of the website has been attached as a zip to the Canvas upload.

Here are files I have added for specific features on my website,



Playeradd.php contains code to add a player to the database

Playerguitarsearch contains code to search for players based on who plays a guitar

Priceguitarsearch contains code for searching the store table based on price

Guitaradd.php has the code to add a guitar to the database

Guitaristsearch.php has the code to search for a guitar based on who plays it

indexStyle.css contains the css for styling everything that I added

**I also added a file called playerdelete.php - this allows the user to select a player and delete it from the database.**

## Features (Implementation and Why)

The main feature I wanted to add to my site is the ability for anyone to add a guitar or player to the database. This way the dataset could be expanded upon without me having to type up all the information, or possibly other people who have information I don't can add it to the database themselves. I implemented this feature by using a text box/submission format for the 'add a guitar' section. My primary key constraints for guitar make it mandatory that a submission include a model name for the guitar being entered. All other fields are optional, this way if the person entering does not know when the guitar was manufactured they can still enter all the other information about it. For the player submission form I used a textbox/selection box/submission button implementation. Adding a player to the database is similar to adding a guitar. I had to make the area where you enter what guitar a player uses a selection box so that submissions would conform to my foreign key constraints on player. I have it set that a players guitar must equal a model name in the guitar table. Making this a selection box makes it easier for the user to pick a guitar in the DB. This way they know what options are available and don't have to guess by typing it in manually or possibly spelling the model name wrong. Note: the background image doesn't load properly when the browser is minimized, so it's better to view the page fullscreen.

The 5 buttons at the top of my page allow the user to see what information is stored in the tables of the database. Nothing in these tables is confidential.



Welcome to the Guitar Getter website! Here you can find out which gear your favourite guitarists use! Use the 5 buttons below to view all of the information currently available in the database!



Here is what the player table looks like when the user clicks the player button.

band	name	guitarname
John Mayer Trio	John Mayer	Fender Telecaster 1975 Custom
Guns N Roses	Slash	Slash Appetite Les Paul
Jimi Hendrix Experience	Jimi Hendrix	
Green Day	Billie Joe Armstrong	Gibson Les Paul Junior Sunburst 1954
Red Hot Chili Peppers	John Frusciante	Fender Telecaster 1975 Custom
ACDC	Angus Young	
Tom Petty and the Heart Breakers	Tom Petty	SJ-200 Standard
Pearl Jam	Mike McCready	
Nirvana	Kurt Cobain	
U2	The Edge	Gretsch G6128T Duo Jet
The Rolling Stones	Keith Richards	Fender Telecaster 1975 Custom
Santana	Carlos Santana	
Buckethead	Buckethead	Buckethead Signiture Les Paul
Led Zeplin	Jimmy Page	SJ-200 Standard

Next on the site there is an area where the user can enter information about a guitar. My primary key constraints defined in the schema make it so the user must enter a guitar model name. All other fields are optional.

Guitar Model Name:	
Scale Length:	
Year:	
Style:	
Body Wood:	
Neck Wood:	
Production Start Year:	
Production End Year:	
Product Number:	
Guitar Type:	
Player Name:	
Company Name:	
Submit	

After the guitar insert area, there is an area where the user can enter information about a player. When inserting information here, the user must select one of the guitars that is listed in the selection box, because of how my foreign key to guitar is configured.

<https://guitargetter.herokuapp.com/>

**Player Name:**

**Band Name**

**Name Of Guitar They Use (The guitar must already be in the DB):**

Any Guitar

Buckethead Signiture Les Paul

Fender Artist Series Stevie Ray Vaughan Stratocaster

Fender Telecaster 1975 Custom

Gibson Les Paul Junior Sunburst 1954

After the add portion of the website there is an are where a user can search. I have searches based on guitars and players. Both of which use selection boxes.

**Here you can search for guitars based on a players name, or you can search for players who use a specific guitar you're interested in!**

**See which players play a specific guitar!:**

Any Guitar

Buckethead Signiture Les Paul

Fender Artist Series Stevie Ray Vaughan Stratocaster

Fender Telecaster 1975 Custom

Gibson Les Paul Junior Sunburst 1954

**Search for guitars based on a player:**

Any

Angus Young

Billie Joe Armstrong

Buckethead

Carlos Santana

Here's an example of what a search will return,

Guitarists who use 'Fender Telecaster 1975 Custom' are,

John Mayer

John Frusciante

Keith Richards

Finally I have a feature to allow a user to search based on price of a guitar. This allows a user to enter a min and max price and gives the user links to guitars in their desired price range.

<https://guitargetter.herokuapp.com/>

Here you can search for guitars in a specific price range!

Lowest Price:

Highest Price:

Delete a player from the database

Here you can delete a player from the database!

Any	^
Angus Young	
Billie Joe Armstrong	
Buckethead	
Carlos Santana	v

**5) Your site, functional and uploaded to Heroku, so that anyone can access it.**

My site can be accessed at <https://guitargetter.herokuapp.com/>