# 5204 Passion Project - GearLog

Sam Bebenek

References:

All images are either from Google images, instrument manufacturers' websites, retailers' websites, or the artists' social media. The default GearLog image is from Google Images. All code references are cited within the code where they appear.

User Stories:

- A user can view a list of bands
- A user can view the details of a band and which artists are in that band.
- An admin can create a band
- An admin can update a band
- An admin can delete a band
- A user can see a list of artists
- A user can see details of an artist, including what instruments they play and what band they're in.
- An admin can add an artist and set which band they're in
- An admin can update an artist
- An admin can delete an artist
- A user can view a list of instruments
- A user can view the details of an instrument, including a list of which artists play this instrument.
- An admin can add an instrument
- An admin can update an instrument
- An admin can delete an instrument
- An admin can add an artist to an instrument
- An admin can delete an instrument from can artist

ERD Diagram:
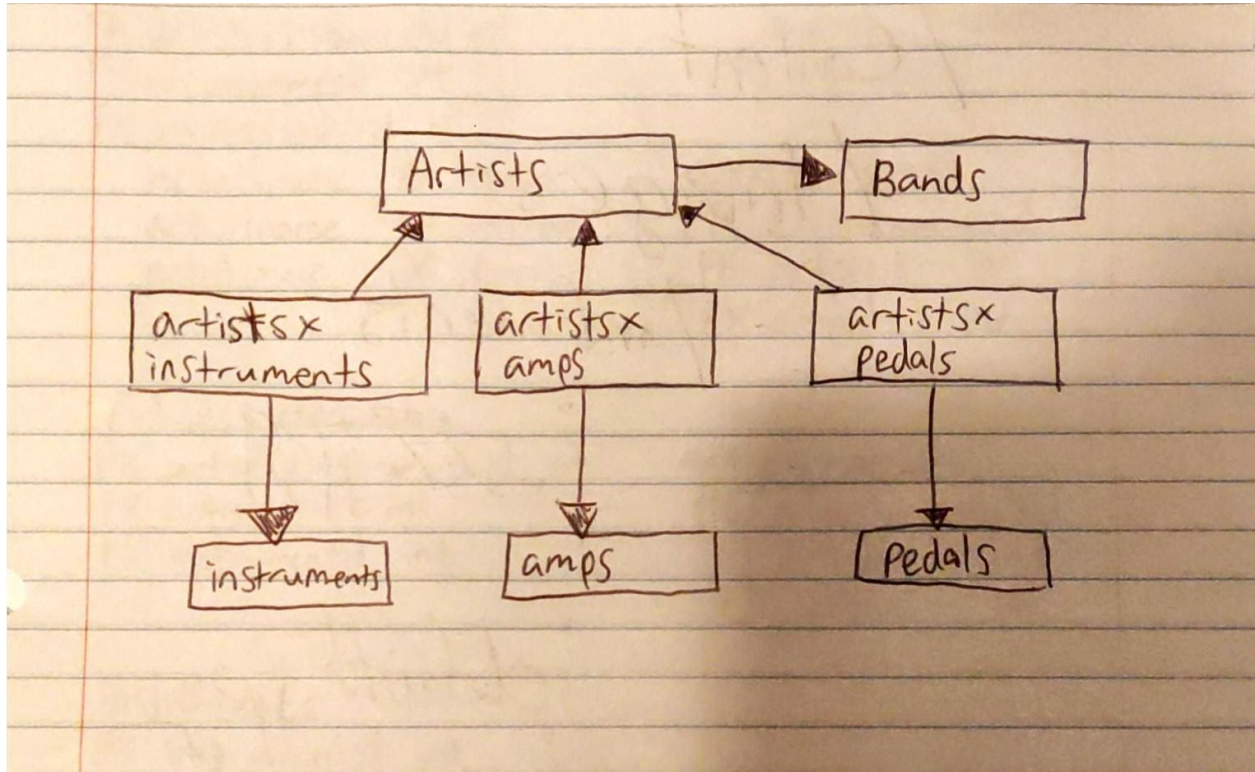
Note: for the sake of time, the amps, artistsxamps, pedals, and artistsxpedals tables were not implemented in the final submission.

Justification:
Many artists can be in one band, and one band can have many artists. This project was made with the rock and metal music community in mind, where it is uncommon for an artist to be an active member of two bands at once, therefore these two table's relationship was not made a many-to-many relationship. An artist can have many instruments, and an instrument can be played by many artists, so the artistsxinstruments bridging table was used.

Wireframes:
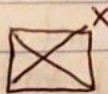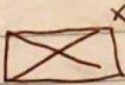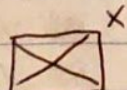
Band View
x = delete

Gear Log   Bands Artists Instruments

Bands

 Meshuggah   Lamb of God   Periphery   Tesseract

 Chon   Billy Talent   Monuments   Sylosis

Add New Band

Gear Log   Bands Artists Instruments

Add New Band

Band Name: [   ]
Band Image: [upload]

[Image will
        go here   ]

[Back]   [Submit]
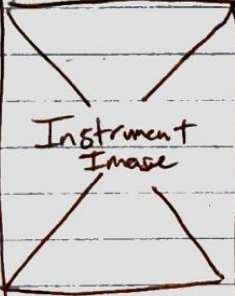
Update Band

Header

Update Periphery:

Band Name: [Periphery]
Band Image: [upload]

[Back] [Update]

Band Show

Header

Band Image

Periphery

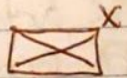Instrument Image

Instrument Type: Guitar
Strings: 6
Body: Basswood/Maple Top
Neck: 1-piece carmalized maple
Fretboard: Maple
Bridge: Jackson Hardtail
Neck Pickup: Jackson MM1
Bridge Pickup: Jackson MM1
Features: Locking Tuners
Manufacturer Website: Jacksonguitars.com

Jackson Juggernaut HT6

Misha Mansoor:
Jackson Juggernaut
Peavey Invective

Jake Bowen:
Ibanez JBM100
Peavey 6505

Mark Holcomb:
PRS SE Mark Holcomb

Artists ~~Address~~ List

```
┌─────────────────────────────────────────────────────────────┐
│                          Header                              │
│  ─────────────────────────────────────────────────────────  │
│                                                              │
│  Artists                                      ┌─────────┐    │
│  ┌──────────┐[a]                              │ Add New │    │
│  └──────────┘                                 └─────────┘    │
│  Name          Band                                          │
│  Misha Mansor  Periphery              [update]  [delete]     │
│  Jake Bowen    Periphery              [update]  [delete]     │
│  Mark Holcomb  Periphery              [update]  [delete]     │
│  Tom Morello   Rage Against the Machine [update] [delete]    │
│  John Browne   Monuments              [update]  [delete]     │
│  Olly Steele   Monuments              [update]  [delete]     │
│                                                              │
└─────────────────────────────────────────────────────────────┘
```

Add Artist

```
┌─────────────────────────────────────────────────────────────┐
│                          Header                              │
│  ─────────────────────────────────────────────────────────  │
│                                                              │
│  Add New Artist                                              │
│                                                              │
│  First Name:  ┌──────────────┐                               │
│               └──────────────┘                               │
│  Last Name:   ┌──────────────┐                               │
│               └──────────────┘                               │
│  Image:  ┌────────┐                                          │
│          │ upload │                                          │
│          └────────┘                                          │
│  ┌───────────────────────┐                                   │
│  │ ╲   Image shown   ╱   │                                   │
│  │   ╲ here after  ╱     │                                   │
│  │   ╱ uploading  ╲      │                                   │
│  │ ╱               ╲     │                                   │
│  └───────────────────────┘                                   │
│  ┌──────┐        ┌────────┐                                  │
│  │ back │        │ Submit │                                  │
│  └──────┘        └────────┘                                  │
│                                                              │
└─────────────────────────────────────────────────────────────┘
```

Update Artist

```
┌─────────────────────────────────────────────┐
│                  Header                       │
├─────────────────────────────────────────────┤
│  Update Misha Mansoor                         │
│  First Name: [Misha        ]                  │
│  Last Name: [Mansoor       ]                  │
│                                               │
│  Image: [upload]                              │
│                                               │
│   ┌──────────────┐                            │
│   │ ╲          ╱ │                            │
│   │   ╲      ╱   │                            │
│   │     ╲  ╱     │                            │
│   │     ╱  ╲     │                            │
│   │   ╱      ╲   │                            │
│   └──────────────┘                            │
│                                               │
│  [Back]         [update]                      │
│                                               │
└─────────────────────────────────────────────┘
```
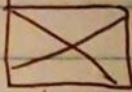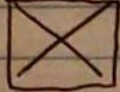
Instrument List

```
┌─────────────────────────────────────────────┐
│                  Header                       │
├─────────────────────────────────────────────┤
│  Instruments                    [Add New]     │
│  [            Q]                               │
│                                               │
│   ┌───┐      ┌───┐      ┌───┐      ┌───┐      │
│   │ ⊠ │      │ ⊠ │      │ ⊠ │      │ ⊠ │      │
│   └───┘      └───┘      └───┘      └───┘      │
│  Jackson    Ibanez     PRS SE     Fender Player│
│  Juggernaut  JBM       Mark Holcomb Stratocaster│
│                                               │
│   ┌───┐      ┌───┐      ┌───┐      ┌───┐      │
│   │ ⊠ │      │ ⊠ │      │ ⊠ │      │ ⊠ │      │
│   └───┘      └───┘      └───┘      └───┘      │
│  Ibanez     Ibanez     Ibanez     Mayones     │
│  Iron Label  MAR       M8M        Duvell Q     │
│  RGIXL7                                        │
│                                               │
└─────────────────────────────────────────────┘
```
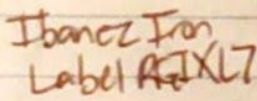
Add Instrument

Header

Add New Instrument:

Instrument Brand: [ ]
Instrument Model: [ ]
Instrument Image: [upload]

[X]

Instrument Type [Guitar ▼]
~~Strings~~ Number of Strings [ ]

Body Wood: [ ]

Neck: [ ]

Fretboard Material: [ ]

Bridge: [ ]
Neck Pickup: [ ]
Bridge Pickup: [ ]

Features:

[ ]

Manufacturer URL: [ ]

[Back]   [Add]

(Update Form for instruments will have same layout but with
forms filled)

Show Instrument

X = delete

Header

```
┌─────────────┬──────────────────────────────┬─────────────┐
│             │                              │ Played By:  │
│   (image)   │  Instrument type: Guitar     │ John Doe X  │
│             │  Strings: 7                  │             │
│             │  Body: Nyatoh                │             │
│             │  Neck: 3pc Maple/purpleheart │             │
│             │  Fretboard: Ebony            │             │
│             │  Bridge: Gibralter           │             │
│ Ibanez Iron │  Neck Pu: Dimarzio           │             │
│ Label RGIXL7│  Bridge Pu: Dimarzio         │             │
│             │  Features. Locking Tuners    │             │
│             │  Website: Ibanez.com         │ Add New     │
│             │                              │ Musician    │
└─────────────┴──────────────────────────────┴─────────────┘
```

Header

Add Musician To this Instrument

Select a musician that uses this instrument:

[John Doe ▼]

Add new musician?

[back]   [Add]