guitarguitar

GUITARGUITAR is a company with a passion for making people's lives better through music.

We strive to provide the best possible experiences for our customers (both in-store and online) and we take a great deal of satisfaction from being a part of the musical journeys our customers embark upon. At the heart of our family is a group of people who go the extra mile for each other and our customers. We are not a faceless warehouse. We are an enthusiastic community who are always evolving, revising, learning and moving forward to provide our customers with the best possible multi-channel retail experience. And critically, our recent transition into Employee Ownership (EOT) means we put our employees "centre stage" and are the country's first (and only) musical instrument retailer to do so.

A key part of that community is our integrated technology team who utilise modern technologies to drive the business forward whilst advancing the platforms that make it all possible. Our technology stack is always evolving and we deploy new features regularly using our continuous integration systems. We champion an agile approach, developing in small batches to iteratively improve our platforms whilst driving through our roadmap of initiatives. We utilise automated testing to improve velocity whilst also often developing together in pairs to share knowledge between developers… ultimately… everyone contributes and you could say, we are pretty techy to the core.

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Hackathon Challenge

For this years Do You Have The GUTS Hackathon, we ask you to create an innovative customer order viewer/page. We want you to take the data we provide, explore it and see if you can come up with a creative way to view, filter, navigate, slide or even play through! Be as creative as you like!

We recently have introduced myguitarguitar to the business, which you can make use of and sign up for today on our live site! We have provided a loyalty level in the customer data, so take this into consideration in your development.

Here are some example snippets of what data you will receive:

/products

```
{
    "skU_ID": "15012010474832",
    "asn": "",
    "category": "GUEG_2",
    "online": true,
    "itemName": "1993P 12-String Jetglo",
    "title": "",
    "brandName": "Rickenbacker",
    "description": "<p>A favourite model of Pete Townshend's, the 1993 plus model is an even more vintage-styled instrument from Rickenbacker, a company to whom tradition is everything.</p>",
    "productDetail": "Pete Townshend asked us to reprise and update his beloved Model 1993 guitar and we were only too happy to oblige. The result is the 1993Plus, enhanced with a 1/8 inch (3.1 mm) wider neck, Caribbean rosewood fingerboard and more stable two-piece neck design fitted with a round heel for comfort. This classic 12-string design comes standard with three vintage reissue pickups, stereo output, trapeze tailpiece, vintage knobs and F-hole. Double body binding and pearlescent inlays add a refined touch. X-bracing in the body helps to bring out the full, rich and warm sounds our instruments are known for. The haunting, melodic chorus characteristics of our 12-strings continue to benefit from evolution.",
    "salesPrice": 499.0,
    "pictureMain": "https://images.guitarguitar.co.uk/cdn/large/130/15012010474832.jpg",
    "qtyInStock": 2,
    "qtyOnOrder": 0,
    "colour": 15,
    "pickup": 3,
    "bodyShape": 7,
    "createdOn": "2015-01-30T00:00:00",
    "imageUrls": null
}
```

/orders

```json
{
    "Id": 3000,
    "CustomerId": 4950,
    "ShippingAddress": {
        "city": "North Claribelside",
        "street_name": "Delphia Coves",
        "street_address": "3093 Williamson Ferry",
        "zip_code": "54052-1434",
        "country": "United States"
    },
    "Products": [
        {
            "SKU_ID": "11011312532132",
            "ASN": "",
            "Category": "GUEG_1",
            "Online": true,
            "ItemName": "Road Worn Player Telecaster MN Candy Apple Red",
            "Title": "",
            "BrandName": "Fender",
            "Description": "",
            "ProductDetail": "The popular Road Worn series instruments struck a chord with guitarists with their aged, well-played look and feel and their incredible value. New Road Worn Player series guitars take the experience a step further with modern player-centric modifications including hotter pickups for smoldering, gritty tone and a flatter fingerboard for smooth, effortless bends. Lightly aged with care, Road Worn Player guitars feel immediately comfortable and familiar, offering endless miles of musical inspiration.",
            "SalesPrice": 599.0,
            "PictureMain": "https://images.guitarguitar.co.uk/cdn/large/105/11011312532132.jpg",
            "QtyInStock": 2,
            "QtyOnOrder": 0,
            "Colour": 15,
            "Pickup": 3,
            "BodyShape": 7,
            "CreatedOn": "2011-01-13T00:00:00",
            "ImageUrls": null
        }
    ],
    "DateCreated": "2021-10-12T07:25:00",
    "OrderTotal": 599.0,
    "OrderStatus": 4
}
```

/customers

```json
{
    "id": 9833,
    "uid": "da914dfe-008c-4d7d-8b62-ce27b6ced8bb",
    "password": "uV8RLgrWBh",
    "first_name": "Roy",
    "last_name": "Haag",
    "username": "roy.haag",
    "email": "roy.haag@email.com",
    "avatar":
"https://robohash.org/dictarepudiandaedoloremque.png?size=300x300\u0026set=set1",
    "gender": "Bigender",
    "phone_number": "+94 1-714-182-2052",
    "social_insurance_number": "146762687",
    "date_of_birth": "1991-12-09",
    "employment": {
      "title": "Education Designer",
      "key_skill": "Self-motivated"
    },
    "address": {
      "city": "Cummeratastad",
      "street_name": "Shavonda Roads",
      "street_address": "850 William Hill",
      "zip_code": "21027-3291",
      "state": "Iowa",
      "country": "United States",
      "coordinates": {
        "lat": 40.71004827847534,
        "lng": 88.64973785432562
      }
    },
    "credit_card": { "cc_number": "4154383763464" },
    "subscription": {
      "plan": "Silver",
      "status": "Active",
      "payment_method": "Paypal",
      "term": "Annual"
    }
  }
```

Customers

Returns 100 customers with dummy data, from https://random-data-api.com/

Name	Type	Description
Id	int	Customer ID
first_name	string	First Name
last_name	string	Last Name
email	string	Email address
phone_number	string	Phone number
avatar	string	URL to an image
address	Address	Address object containing address details
loyaltyLevel	int	Customers loyalty level 0-3

Address

Name	Type	Description
city	string	City name
street_name	string	Street name
street_address	string	2nd address line
zip_code	string	zipcode/postcode
country	string	Country name

Orders

Returns orders related to a customer ID.

Name	Type	Description
Id	int	Order ID
CustomerId	int	Customer ID
ShippingAddress	Address	Address to deliver to
Products	array	An array of product items
DateCreated	Date	The date the order was made
OrderTotal	double	The order total in £
OrderStatus	Enum	OrderStatus enum

OrderStatus Enum

Placed	1
Dispatched	2
Delivering	3
Delivered	4
Completed	5
Cancelled	6

Products

Returns 1000 of our products with various properties you can use to filter with

Name	Type	Description
SKU_ID	string	Product ID
ASN	string	GTIN (Global Unique Identifier)
Category	string	Category code for the type of product
Online	boolean	Is our product available online or not
ItemName	string	Name of the item
Title	string	Title for the item (deals etc)
BrandName	string	The brand name of the product
Description	string	HTML Formatted description (nullable)
ProductDetail	string	HTML Formatted product detail (nullable)
SalesPrice	double	Sales price of the item
PictureMain	string	URL for the main product image
QtyInStock	int	Number of the item in stock
QtyOnOrder	int	Number of the item on order
ColourOption	int	Enum numeric value for the Colour of the product
PickupOption	int	Enum numeric value for the Pickup setup of the product
ShapeOption	int	Enum numeric value for the body Shape of the product
CreatedOn	Date	The date the product was created and added to the database

Product Enums
(These are properties in a guitar product that have a key/value pair)

BodyShape

SStyle	1
TStyle	2
DoubleCut	3
Offset	4
HollowBody	5
VStyle	6
SmallBody	7
Orchestral	8
GrandAuditorium	9
Dreadnought	10
Jumbo	11
Explorer	12
SingleCut	13
Combo	14
Head	15
Cabinet	16

Colour

Red	1
Orange	2
Yellow	3
Green	4
Blue	5
Purple	6
Pink	7
Brown	8
Gold	9
Silver	10
Grey	11
Black	12
White	13
Natural	14
Multicolour	15

Pickup

ElectroAcoustic	1
SS	2
SSS	3
HH	4
HHH	5
HS	6
HSS	7
HSH	8
P90	9
S	10
H	11

Categories

Here is a breakdown of what our product category ID's mean, if you so choose to use them. This might look like a lot, but it's quite simple, each category has a parent, there is a "master" parent such as "GU" and "AC". (ignore the null values)

Category_ID	Category	Title	Parent
ACGB	Accessories - Gig Bags	Gig Bags	AC
ACSTD	Accessories - Stands	Stands	AC
DDK	Digital Drums - Drum Kits	Drum Kits	DD
DKTS	Keyboards - Stands	Keyboard Stands	AC
DKZ	Keyboards - Synthesizers	Synthesizers	DK
GU	Guitars -	Guitars	
GUAG	Guitars - Acoustic	Acoustics	GU
GUAG_1	Guitars - Acoustic - 6 String	6 String Acoustics	GUAG
GUAG_2	Guitars - Acoustic - 12 String	12 String Acoustics	GUAG
GUAG_4	DO NOT USE - Guitars - Acoustic - Pre-owned	Pre-owned Acoustics	GUAG
GUAG_BG	Guitars - Acoustic - Beginners	Beginners	GUAG
GUAG_lh	Guitars - Acoustic - LH	Left Handed Acoustics	GUAG
GUAGCC_1	Guitars - Acoustic - Classical Guitar Std	Classical Guitar	GU
GUAGCC_4	DO NOT USE - Classical Guitar - Pre Owned	Classical Pre-owned	GU
GUAGCC_lh	Guitars - Acoustic - Classical Guitar LH	Left Handed Classica	GU
GUBA	Guitars - Bass	Basses	GU
GUBA_1	Guitars - Bass - Solid Body	Solid Body Basses	GUBA
GUBA_14	Guitars - Bass - 4 String SB	4 String Basses	GUBA
GUBA_15	Guitars - Bass - 5 String SB	5 String Basses	GUBA
GUBA_16	Guitars - Bass - 6 String SB	6 String Basses	GUBA
GUBA_2	Guitars - Bass - Acoustic	Acoustic Basses	GUBA
GUBA_3	Guitars - Bass - Fretless	Fretless Basses	GUBA
GUBA_4	DO NOT USE - Bass - Pre-owned	Pre-owned Basses	GUBA
GUBA_BG	Guitars - Bass - Beginners	Beginners	GUBA
GUBA_lh	Guitars - Bass - LH	Left Handed Basses	GUBA
GUBASS	Guitars - Bass - Short Scale	Short Scale Basses	GUBA
GUEG	Guitars - Electric	Electrics	GU
GUEG_1	Guitars - Electric - Solid Body	Solid Body Electrics	GUEG
GUEG_2	Guitars - Electric - Semi Acoustic	Semi Acoustic Electri...	GUEG
GUEG_34	Guitars - Electric - 3/4 Sized	3/4 Sized	GUEG
GUEG_4	DO NOT USE - Electric - Pre-owned	Pre-owned Electric ...	GUEG
GUEG_7	Guitars - Electric - 7 String	7 String Electrics	GUEG
GUEG_8	Guitars - Electric - 8 Strings	8 String Electrics	GUEG
GUEG_BG	Guitars - Electric - Beginners	Beginners	GUEG
GUEG_lh	Guitars - Electric - LH	Left Handed Electrics	GUEG
GUEGP	DO NOT USE - Guitars - Electric - Packages	Guitar Packages	GU
PEDL	Pedals -	FX Pedals	

Loyalty Levels

As we have introduced myguitarguitar, we thought we'd include something similar to this challenge with a loyalty level per customer. This will be a value between 0 and 3.

0 - not part of the scheme
1 - 5% off **guitar only** products
2 - 10% off **guitar** and **guitar accessory** products
3 - 10% off **all** products and **early access** and **free delivery**

(this is NOT representative of guitarguitar's real life loyalty scheme)

If you can incorporate this into product listings or order views, we commend you 😀

If you have any questions, please feel free to ask us in the discord.

https://gtrgtr.uk/GUTS

Good Luck!