Studio Shodwe

# MUSIC STORE

## Analysis

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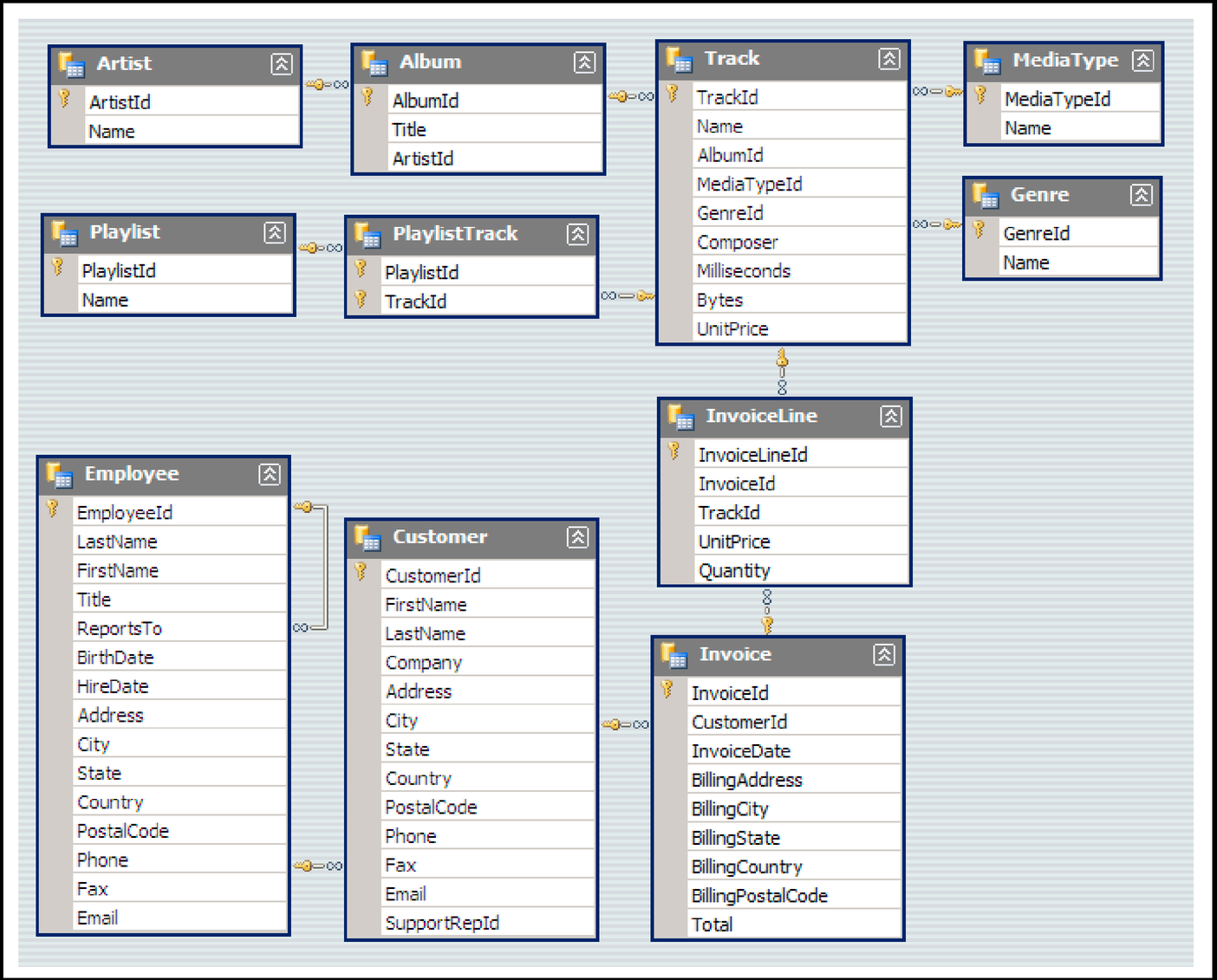
# DATABASE SCHEMA



# WHICH COUNTRIES HAVE THE MOST INVOICES

```
SELECT COUNT(*) AS c, billing_country
FROM invoice
GROUP BY billing_country
ORDER BY c DESC
```

## OUTPUT

| c bigint | billing_country character varying (30) |
|---|---|
| 131 | USA |
| 76 | Canada |
| 61 | Brazil |
| 50 | France |
| 41 | Germany |

# WHICH CITY HAS THE BEST CUSTOMERS? WE WOULD LIKE TO THROW A PROMOTIONAL MUSIC FESTIVAL IN THE CITY WE MADE THE MOST MONEY.

```
SELECT billing_city,SUM(total) AS InvoiceTotal
FROM invoice
GROUP BY billing_city
ORDER BY InvoiceTotal DESC
LIMIT 1;
```

## OUTPUT

| billing_city character varying (30) | invoicetotal double precision |
|---|---|
| Prague | 273.24000000000007 |

# WHO IS THE BEST CUSTOMER? THE CUSTOMER WHO HAS SPENT THE MOST MONEY WILL BE DECLARED THE BEST CUSTOMER

```
select c.customer_id , c.first_name , c.last_name ,
    c.country, sum(invoice.total) as value
from customer as c
join invoice on c.customer_id = invoice.customer_id
group by c.customer_id
order by value desc
limit 2
```

# OUTPUT

| | | |
|---|---|---|
| R | Madhav ... | Czech Republic |
| Helena | Holý | Czech Republic |

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# LET'S INVITE THE ARTISTS WHO HAVE WRITTEN THE MOST ROCK MUSIC IN OUR DATASET.

```
SELECT artist.artist_id, artist.name,COUNT(artist.artist_id)
    AS number_of_songs
FROM track
JOIN album ON album.album_id = track.album_id
JOIN artist ON artist.artist_id = album.artist_id
JOIN genre ON genre.genre_id = track.genre_id
WHERE genre.name LIKE 'Rock'
GROUP BY artist.artist_id
ORDER BY number_of_songs DESC
LIMIT 10;
```

| artist_id [PK] character varying (50) | name character varying (120) | number_of_songs bigint |
|---|---|---|
| 22 | Led Zeppelin | 114 |
| 150 | U2 | 112 |
| 58 | Deep Purple | 92 |
| 90 | Iron Maiden | 81 |
| 118 | Pearl Jam | 54 |

# RETURN ALL THE TRACK NAMES THAT HAVE A SONG LENGTH LONGER THAN THE AVERAGE SONG LENGTH.

```sql
SELECT name Milliseconds
FROM track
WHERE Milliseconds > (
    SELECT AVG(Milliseconds) AS avg_track_length
    FROM track )
ORDER BY Milliseconds DESC;
```

| | character varying (150) |
|---|---|
| 1 | You Shook Me(2) |
| 2 | You Sent Me Flying / Cherry |
| 3 | You Oughta Know (Alternate) |
| 4 | You Fool No One (Alternate Version) |
| 5 | You Fool No One |

# THANK YOU