

INDAAD COURSEWORK: THE DATABASE

Database Creation

Client:

```
carnabyvinyl=# \d+ client
```

Column	Type	Modifiers	Storage	Stats target	Description
clientid	character varying(8)	not null	extended		
client_fname	character varying(15)	not null	extended		
client_lname	character varying(15)	not null	extended		
client_address	character varying(50)	not null	extended		
client_city	character varying(30)	not null	extended		
client_postcode	character varying(8)	not null	extended		
client_mobile_no	character varying(15)		extended		
client_landline_no	character varying(15)	not null	extended		
client_email	character varying(60)		extended		

Indexes:
"client_pkey" PRIMARY KEY, btree (clientid)

Referenced by:
TABLE "consignment" CONSTRAINT "consignment_clientid_fkey" FOREIGN KEY (clientid) REFERENCES client(clientid)

```
carnabyvinyl=#
```

Consignment:

```
carnabyvinyl=# \d+ consignment
```

Column	Type	Modifiers	Storage	Stats target	Description
consignmentid	character varying(8)	not null	extended		
consignment_type	character varying(15)	not null	extended		
consignment_received_date	date	not null	plain		
consignment_sell_by_date	date		plain		
consignment_commission	numeric(3,0)	not null	main		
clientid	character varying(8)		extended		

Indexes:
"consignment_pkey" PRIMARY KEY, btree (consignmentid)

Foreign-key constraints:
"consignment_clientid_fkey" FOREIGN KEY (clientid) REFERENCES client(clientid)

```
carnabyvinyl=#
```

Album:

```
carnabyvinyl=# \d+ album
```

Column	Type	Modifiers	Storage	Stats target	Description
albumid	character varying(8)	not null	extended		
album_title	character varying(50)	not null	extended		
album_genre	character varying(20)	not null	extended		
album_label	character varying(25)	not null	extended		
album_catalogue_no	character varying(15)	not null	extended		
album_release_date	character varying(4)	not null	extended		
album_type	character varying(10)	not null	extended		

Indexes:
"album_pkey" PRIMARY KEY, btree (albumid)

Referenced by:
TABLE "albumartist" CONSTRAINT "albumartist_albumid_fkey" FOREIGN KEY (albumid) REFERENCES album(albumid)

```
carnabyvinyl=#
```

Artist:

```
carnabyvinyl=# \d+ artist
```

Column	Type	Modifiers	Storage	Stats target	Description
artistid	character varying(8)	not null	extended		
artist_name	character varying(40)	not null	extended		
artist_genre	character varying(20)	not null	extended		

Indexes:
"artist_pkey" PRIMARY KEY, btree (artistid)

Referenced by:
TABLE "albumartist" CONSTRAINT "albumartist_artistid_fkey" FOREIGN KEY (artistid) REFERENCES artist(artistid)

```
carnabyvinyl=#
```

Album and artist:

```
TABLE "albumartist" CONSTRAINT "albumartist_artistid_fkey" FOREIGN KEY (artistid) REFERENCES artist(artistid)
```

```
carnabyvinyl=# \d+ albumartist
```

Column	Type	Modifiers	Storage	Stats target	Description
albumid	character varying(8)	not null	extended		
artistid	character varying(8)	not null	extended		

Indexes:
"albumartist_pkey" PRIMARY KEY, btree (albumid, artistid)

Foreign-key constraints:
"albumartist_albumid_fkey" FOREIGN KEY (albumid) REFERENCES album(albumid)
"albumartist_artistid_fkey" FOREIGN KEY (artistid) REFERENCES artist(artistid)

```
carnabyvinyl=#
```

Record:

```
carnabyvinyl=# \d+ record;
```

Column	Type	Modifiers	Storage	Stats target	Description
recordid	character varying(8)	not null	extended		
record_name	character varying(20)	not null	extended		
record_type	character varying(15)	not null	extended		
record_price	numeric(6,2)	not null	main		
record_sold_date	character varying(15)	not null	extended		
record_media_condition	character varying(15)	not null	extended		
record_sleeve_condition	character varying(15)	not null	extended		
consignmentid	character varying(8)		extended		
albumid	character varying(8)		extended		

Indexes:
"record_pkey" PRIMARY KEY, btree (recordid)

Foreign-key constraints:
"record_albumid_fkey" FOREIGN KEY (albumid) REFERENCES album(albumid)
"record_consignmentid_fkey" FOREIGN KEY (consignmentid) REFERENCES consignment(consignmentid)

```
carnabyvinyl=#
```

Dummy Data

Client:

```
carnabyvinyl=# select * from client;
```

clientid	client_fname	client_lname	client_address	client_city	client_postcode	client_mobile_no	client_landline_no	client_email
1459	Dyna	McVittie	89 Orin Trail	London	BX1 1LT	574-626-3864	62 325 303 841	dmcvittie@usda.gov
2684	Toddie	Lamasna	14 Arkansas Point	Leeds	FH1 JS2	653-128-2302	55 412 591 844	tlamasna@abc.net.au
5054	Gard	Short	8 Lake View Place	Liverpool	SAH 2HF	429-785-3073	86 130 680 773	gshort2@nationalgeographic.com
6734	Wynn	Del Monte	3583 Knutson Terrace	Portsmouth	SA7 GN1	259-258-3067	86 603 401 898	wdelmonte3@spiegel.de
4237	Lorene	Menis	43924 Sage Drive	London	4QE EM3	287-381-8292	79 140 224 903	lmenis4@tinyurl.com
8184	Rosanna	Leate	9202 Maple Wood Lane	Manchester	S22 2BF	660-166-3673	86 668 682 9363	rleate5@imdo.com
3045	Chick	Dalby	1791 Prentico Alley	Plymouth	S4W 4AF	399-790-0772	62 270 490 8950	cdalby6@gangadot.com
1242	Jarvis	Hellens	12551 Eastlawn Court	London	6RE E71	187-767-5390	21 984 770 624	jhellens7@lycos.com
5579	Tomasina	Samett	84930 Westport Alley	Wolverhampton	7HB 6YH	258-499-7091	35 937 342 934	tsamett8@live.com
1864	Lorianne	Wyley	29 Carey Circle	Southampton	SUH 24F	342-851-1168	57 358 728 8710	lwyley9@usatoday.com
4783	Quintin	Zanutti	9705 Texas Terrace	Sunderland	SF2 HJU	515-793-6314	54 332 653 1734	qzanuttia@nsw.gov.au

(11 rows)

```
carnabyvinyl=#
```

Consignment:

```
carnabyvinyl=# select * from Consignment;
```

consignmentid	consignment_type	consignment_received_date	consignment_sell_by_date	consignment_commission	clientid
64564561	Client	2018-02-23	2018-06-23	25	1459
64564562	HCC	2018-06-14	2018-11-21	100	2684
64564563	Client	2019-01-21	2019-07-21	50	5054
64564564	Auction	2018-07-03	2019-03-03	100	6734
64564565	Client	2018-11-02	2019-01-02	25	4237
64564566	HCC	2018-08-16	2018-11-26	100	8184
64564567	Client	2018-05-06	2018-10-06	35	3045
64564568	Client	2018-08-16	2018-12-11	25	1242
64564569	Auction	2019-02-25	2019-06-26	100	5579
64564570	Client	2018-04-18	2018-06-18	50	1864
64564571	Auction	2018-11-30	2019-02-20	100	4783
64564572	Auction	2018-10-20	2019-03-30	100	4783
64564573	Client	2018-08-16	2018-12-16	50	3045

(13 rows)

```
carnabyvinyl=#
```

Album:

```
carnabyvinyl=# select * from album;
```

albumid	album_title	album_genre	album_label	album_catalogue_no	album_release_date	album_type
97418631	Scared	Rock	TonyDigital	0631	2003	Single
97418632	Love You	Dubstep	VernerMusic	0632	2012	Multi
97418633	Jailhouse	Techno	DiscoMusicCompany	0633	2010	Multi
97418634	Jagger	Opera	AreonMusic	0634	2000	Single
97418635	I wanna dance with somebody	Dubstep	GlobalMusicCompany	0635	2007	Single
97418636	Wake me up	Hip-Hop	DMG	0636	2006	Multi
97418637	Smooth	Soul	ComodoMusic	0637	2016	Single
97418638	Rock this party	Hard Rock	ZepterMusicGroup	0638	1999	Multi
97418639	Nobody	Latin	TonyDigital	0639	1995	Single
97418640	Pump it	Hip-Hop	BuzzMusic	0640	1990	Multi
97418641	El loucha	Latin	DiscoMusicCompany	0641	2016	Multi
97418642	Too Nice	Rock	TonyDigital	0642	2012	Single
97418643	Gone	Techno	BuzzMusic	0643	2013	Single
97418644	Get up	Soul	ComodoMusic	0644	1989	Single
97418645	Not Reality	Dubstep	VernerMusic	0645	2011	Single
97418646	In The Mood	Jazz	ComodoMusic	0646	1995	Single
97418647	Fake	Blues	ComodoMusic	0647	1983	Single
97418648	Spirits	Jazz	AreonMusic	0648	2011	Single
97418649	My Beloved	Blues	TonyDigital	0649	1979	Single
97418650	Stay with me	Soul	BuzzMusic	0650	1991	Single

(20 rows)

```
carnabyvinyl=#
```

Artist:

```
carnabyvinyl=# select * from artist;
artistid | artist_name | artist_genre
-----+-----+-----
15673481 | Remy Polet  | Rock
14564571 | Gigi Madeley | Dubstep
15346735 | Sharia Spurdle | Techno
15325654 | Walden Atkins | Opera
18678456 | Beverie Aumerle | Dubstep
16586454 | Carmelina Camarena | Hip-Hop
15475685 | Reeva Popplewell | Soul
14899743 | Ivette Moreira | Hard Rock
14353566 | Becka Issit | Latin
14353568 | Benjamin Johnson | Jazz
14353569 | John Lee | Blues
(11 rows)

carnabyvinyl=#
```

Album and Artist:

```
carnabyvinyl=# select * from albumartist;
albumid | artistid
-----+-----
97418631 | 15673481
97418632 | 14564571
97418633 | 15346735
97418634 | 15325654
97418635 | 18678456
97418636 | 16586454
97418637 | 15475685
97418638 | 14899743
97418639 | 14353566
97418640 | 16586454
97418641 | 14353566
97418642 | 15673481
97418643 | 15346735
97418644 | 15475685
97418645 | 14564571
97418646 | 14353568
97418647 | 14353569
97418648 | 14353568
97418649 | 14353569
97418650 | 15475685
(20 rows)

carnabyvinyl=#
```

Record:

```
carnabyvinyl=# select * from record;
```

recordid	record_name	record_type	record_price	record_sold_date	record_media_condition	record_sleeve_condition	consignmentid	albumid
34543661	Love And Devotion	Single	21.99	2018-03-21	1	4	64564561	97418631
34543662	Too Nice	Single	39.99	Not Sold	3	4	64564561	97418642
34353462	Get It On	Long Play	13.50	Not sold	1	3	64564562	97418632
35464777	Headspace	Long Play	19.99	Not sold	3	1	64564562	97418632
31435463	Mr. Music	Long Play	40.99	2018-07-11	3	2	64564563	97418633
31435479	Gone	Long Play	19.99	Not sold	4	3	64564563	97418633
34534564	Shake Down Party	Single	31.99	2018-08-22	1	4	64564564	97418634
34534580	Get up	Single	31.99	Not sold	4	5	64564564	97418644
33453465	Hard Times	Single	43.99	2018-07-01	3	4	64564565	97418635
33453481	Not Reality	Single	59.99	Not sold	4	4	64564565	97418645
35546766	Hide	Long Play	25.00	2019-03-17	4	5	64564569	97418636
35464774	Tough not broken	Long Play	25.99	Not sold	1	3	64564569	97418636
36896467	Please Go	Single	49.99	2018-09-23	4	3	64564567	97418637
35464772	Heaven	Long Play	30.99	Not sold	1	3	64564567	97418643
32143568	True Lover	Long Play	115.99	Not sold	2	4	64564568	97418638
35464773	Stay with me	Single	110.99	Not sold	4	3	64564568	97418638
34567269	Flight Of Fancy	Single	20.99	2018-11-29	1	4	64564571	97418639
35464778	Prove Me Wrong	Long Play	10.50	Not sold	3	2	64564571	97418646
35464775	Different	Long Play	90.99	Not sold	4	4	64564570	97418640
35464771	Stay In Touch	Long Play	70.99	2018-09-11	2	4	64564566	97418641
35464776	Time to go	Long Play	30.99	Not sold	3	4	64564566	97418641
35464788	Little More	Single	49.99	Not sold	1	4	64564572	97418647
35464781	Twisted	Single	29.99	Not sold	2	1	64564572	97418649
35464779	Caught up	Single	119.99	Not sold	4	4	64564573	97418648
35464780	Time to go	Single	89.99	Not sold	3	4	64564573	97418650
34664270	No Love	Long Play	14.99	Not sold	4	5	64564570	97418640

(26 rows)

```
carnabyvinyl=#
```

General SQL Queries

1. A costumer had his sell by date expired and his coming to pick up his consignment so the staff will search up his and give it to the client.

```
carnabyvinyl=# select o.clientid, c.client_fname, c.client_lname, o.consignmentid, consignment_sell_by_date
carnabyvinyl=# from client c
carnabyvinyl=# join consignment o on c.clientid = o.clientid
carnabyvinyl=# Where o.clientid= '8184' AND o.consignmentid='64564566';
 clientid | client_fname | client_lname | consignmentid | consignment_sell_by_date
-----+-----+-----+-----+-----
 8184    | Rosanna     | Leate       | 64564566      | 2018-11-26
(1 row)

carnabyvinyl=#
```

```
SELECT o.clientid, c.client_fname, c.client_lname, o.consignmentid, consignment_sell_by_date
FROM client c
JOIN consignment o ON c.clientid = o.clientid
WHERE o.clientid = '8184' AND o.consignmentid = '64564566';
```

2. A query to see how many vinyls are multi and how many are single

If a customer wants a vinyl that's single or multi the staff can search and quickly see what type of vinyls are available.

```
carnabyvinyl=# SELECT ALBUM_TITLE, ALBUM_TYPE, ALBUM_GENRE FROM ALBUM
carnabyvinyl=# WHERE ALBUM_GENRE='Soul'
carnabyvinyl=# ORDER BY ALBUM_TYPE;
 album_title | album_type | album_genre
-----+-----+-----
Smooth      | Single     | Soul
Get up      | Single     | Soul
Stay with me | Single     | Soul
(3 rows)

carnabyvinyl=#
```

```
SELECT album_title, album_type, album_genre
FROM album
WHERE album_genre='Soul'
ORDER BY album_type;
```

3. A query to see what records are not sold, CV wishes to retain data about sold records for archiving that data to see which of their clients have sold the most records.

```
carnabyvinyl=# select o.consignmentid, o.clientid, c.client_fname, c.client_lname, r.record_name, R.RECORD_PRICE, r.recordID, r.RECORD_SOLD_DATE
carnabyvinyl=# from record r
carnabyvinyl=# join consignment o on r.consignmentid = o.consignmentid
carnabyvinyl=# join client c on o.clientid = c.clientid
carnabyvinyl=# WHERE NOT r.RECORD_SOLD_DATE='Not sold'
carnabyvinyl=# Group by o.clientid, o.consignmentid, r.recordid, c.client_fname, c.client_lname, r.RECORD_SOLD_DATE
carnabyvinyl=# Order by o.consignmentid;
consignmentid | clientid | client_fname | client_lname | record_name | record_price | recordid | record_sold_date
-----+-----+-----+-----+-----+-----+-----+-----
64564561      | 1459    | Dyna         | McVittie     | Love And Devotion | 21.99 | 34543661 | 2018-03-21
64564563      | 5054    | Gard         | Short        | Mr. Music         | 40.99 | 31435463 | 2018-07-11
64564564      | 6734    | Wynn         | Del Monte    | Shake Down Party  | 31.99 | 34534564 | 2018-08-22
64564565      | 4237    | Lorene       | Menis        | Hard Times        | 43.99 | 33453465 | 2018-07-01
64564566      | 8184    | Rosanna      | Leate        | Stay In Touch     | 70.99 | 35464771 | 2018-09-11
64564567      | 3045    | Chick        | Dalby        | Please Go         | 49.99 | 36896467 | 2018-09-23
64564569      | 5579    | Tomasina     | Samett       | Hide              | 25.00 | 35546766 | 2019-03-17
64564571      | 4783    | Quintin      | Zanutti      | Flight Of Fancy   | 20.99 | 34567269 | 2018-11-29
(8 rows)

carnabyvinyl=#
```

```
SELECT o.consignmentid, o.clientid, c.client_fname, c.client_lname, r.record_name,
r.record_price, r.recordID, r.record_sold_date
FROM record r
JOIN consignment o on r.consignmentid = o.consignmentid
JOIN client c on o.clientid = c.clientid
WHERE NOT r.record_sold_date='Not sold'
GROUP BY o.clientid, o.consignmentid, r.recordid, c.client_fname, c.client_lname,
r.record_sold_date
Order by o.consignmentid;
```

4. Customer might want to buy a modern album so the customer requests to see the albums that release after the year 2010 or it can be used to search up older albums i.e. before 1990.

```
carnabyvinyl=# SELECT ALBUMID, ALBUM_TITLE, ALBUM_RELEASE_DATE, ALBUM_TYPE FROM album
carnabyvinyl=# WHERE album_release_date = '2010';
 albumid | album_title | album_release_date | album_type
-----+-----+-----+-----
 97418633 | Jailhouse   | 2010                | Multi
(1 row)
```

```
carnabyvinyl=#
```

```
SELECT albumid, album_title, album_release_date, album_type
FROM album
WHERE album_release_date = '2010';
```

5. This query is to search up the cheapest to the most expensive record that is in the best condition, so if a client request the best conditioned record that is Dubstep the staff can do with this query

```
carnabyvinyl=# select r.consignmentid, r.record_media_condition, r.record_sleeve_condition, r.record_price, a.album_genre
carnabyvinyl=# from record r
carnabyvinyl=# join album a on a.albumid = r.albumid
carnabyvinyl=# where album_genre='Dubstep';
consignmentid | record_media_condition | record_sleeve_condition | record_price | album_genre
-----+-----+-----+-----+-----
64564562      | 1                      | 3                      | 13.50        | Dubstep
64564562      | 3                      | 1                      | 19.99        | Dubstep
64564565      | 3                      | 4                      | 43.99        | Dubstep
64564565      | 4                      | 4                      | 59.99        | Dubstep
(4 rows)
```

```
SELECT r.consignmentid, r.record_media_condition, r.record_sleeve_condition, r.record_price
a.album_genre
FROM record r
JOIN album a on a.albumid=r.albumid
WHERE album_genre='Dubstep';
```

Advanced SQL Queries

1. How many record from each genre does the store has, so in case they are lacking Opera records like shown below they might want to go to Auctions to get more stock for that specific genre.

```
carnabyvinyl=# select count(albumID), album_genre from album
carnabyvinyl=# group by album_genre
carnabyvinyl=# ORDER BY COUNT(albumID) DESC
carnabyvinyl=# ;
 count | album_genre
-----+-----
      3 | Dubstep
      3 | Soul
      2 | Jazz
      2 | Blues
      2 | Rock
      2 | Techno
      2 | Latin
      2 | Hip-Hop
      1 | Opera
      1 | Hard Rock
(10 rows)
```

```
SELECT count(albumID), album_genre
FROM album
GROUP by album_genre
ORDER BY COUNT(albumID) DESC;
```

2. Client and their which consignments belongs to what client and the commission levels they have to pay, easy to separate from the Auction and HCC clients.


```

carnabyvinyl=# SELECT c.client_fname, c.client_Fname, c.clientID, o. consignment_commission
carnabyvinyl-# FROM Client c
carnabyvinyl-# JOIN consignment o ON c.clientID = o.clientID
carnabyvinyl-# WHERE o. consignment_commission< '100'
carnabyvinyl-# ORDER BY o. consignment_commission
carnabyvinyl-# ;

```

client_fname	client_fname	clientid	consignment_commission
Dyna	Dyna	1459	25
Jarvis	Jarvis	1242	25
Lorene	Lorene	4237	25
Chick	Chick	3045	35
Gard	Gard	5054	50
Lorianne	Lorianne	1864	50
Chick	Chick	3045	50

```

(7 rows)
carnabyvinyl=#

```

```

SELECT c.client_fname, c.client_Fname, c.clientID, o. consignment_commission
FROM Client c
JOIN consignment o ON c.clientID = o.clientID
WHERE o. consignment_commission< '100'
ORDER BY o. consignment_commission;

```

3. What records belong to what client you can see below this client has 2 consignments and has these 2 records in each and he has 4 records in total to his name.

```

carnabyvinyl=# select o.consignmentid, o.clientid, c.client_fname, c.client_lname, r.record_name, r.recordID
carnabyvinyl-# from record r
carnabyvinyl-# join consignment o on r.consignmentid = o.consignmentid
carnabyvinyl-# join client c on o.clientid = c.clientid
carnabyvinyl-# where o.clientid='4783'
carnabyvinyl-# Group by o.clientid, o.consignmentid, r.recordid, c.client_fname, c.client_lname
carnabyvinyl-# Order by o.consignmentid;

```

consignmentid	clientid	client_fname	client_lname	record_name	recordid
64564571	4783	Quintin	Zanutti	Flight Of Fancy	34567269
64564571	4783	Quintin	Zanutti	Prove Me Wrong	35464778
64564572	4783	Quintin	Zanutti	Twisted	35464781
64564572	4783	Quintin	Zanutti	Little More	35464788

```

(4 rows)
carnabyvinyl=#
carnabyvinyl=#

```

```

SELECT o.consignmentid, o.clientid, c.client_fname, c.client_lname, r.record_name, r.recordID
FROM record r
JOIN consignment o on r.consignmentid = o.consignmentid
JOIN client c on o.clientid = c.clientid
WHERE o.clientid='4783'
GROUP BY o.clientid, o.consignmentid, r.recordid, c.client_fname, c.client_lname
ORDER BY o.consignmentid;

```

4. Average price of a consignment the staff can just search up the consignment id and see what each client's consignment average price is.

```
carnabyvinyl=# SELECT c.clientid, c.consignmentid, round(AVG(r.record_price) ,2) as Avarage_Price
carnabyvinyl=# FROM RECORD r
carnabyvinyl=# JOIN consignment c
carnabyvinyl=# ON r.consignmentid = c.consignmentid
carnabyvinyl=# WHERE r.consignmentid= '64564567'
carnabyvinyl=# GROUP BY r.consignmentid, c.consignmentid, c.clientid
carnabyvinyl=# ORDER BY c.consignmentid;
 clientid | consignmentid | avarage_price
-----+-----+-----
    3045  |    64564567  |          40.49
(1 row)

carnabyvinyl=#
```

```
SELECT c.clientid, c.consignmentid, round(AVG(r.record_price) ,2) as Avarage_Price
FROM RECORD r
JOIN consignment c
ON r.consignmentid = c.consignmentid
WHERE r.consignmentid= '64564567'
GROUP BY r.consignmentid, c.consignmentid, c.clientid
ORDER BY c.consignmentid;
```

5. Using this query allows the staff to see all the artist and their albums BUT adding the WHERE clause to search for a specific artist, a costumer what's to his favorite artist records, costumer gives the artists name and the staff search the database.

```
carnabyvinyl=# select a.album_title, n.artist_name
carnabyvinyl=# from album a
carnabyvinyl=# join albumartist r on a.albumID = r.albumID
carnabyvinyl=# join artist n
carnabyvinyl=# on n.artistID = r.artistID
carnabyvinyl=# where n.artist_name='Reeva Popplewell';
 album_title | artist_name
-----+-----
    Smooth  | Reeva Popplewell
    Get up   | Reeva Popplewell
    Stay with me | Reeva Popplewell
(3 rows)

carnabyvinyl=#
```

```
SELECT a.album_title, n.artist_name
FROM album a
JOIN albumartist r on a.albumID = r.albumID
JOIN artist n
ON n.artistID = r.artistID
WHERE n.artist_name='Reeva Popplewell';
```

ASSUMPTIONS:

1. The reason for having consignment ID and album ID in the record table is to know what records are in each consignment and also to see what records belong to what album.
2. We have a lot of identification in this data base so each ID column for each table is different in a way so it's easier to find. The client id are always 4 digits, consignment id always starts with a 6, album id start with a 9, artist id start with a 1 and record id starts with 3.
3. HCC is for House clearance companies
4. HCC and the auction vinyls are on a 100% commission while client vinyls take 25, 35 or 50%.
5. The date format is YYYY-MM-DD
6. Consignment_type refers to what type of client owns the consignment.
7. Record_date_sold is varchar because some records are not sold yet so we don't have a date so they are labeled as 'not sold', and we know that CV wishes to retain data about sold records for archiving that data to see which of their clients have sold the most records.
8. Albumid is in the record table because we need the connection between the record and the album, if a album is multi it will have multiple record with it and we have to separate them from single

that have one record in them Which record belongs to what album and what records are in the consignments

9.The conditions for the record are broken into 5 conditions

Mint=1

Near Mint=2

Very Good =3

Good=4

Fair=5