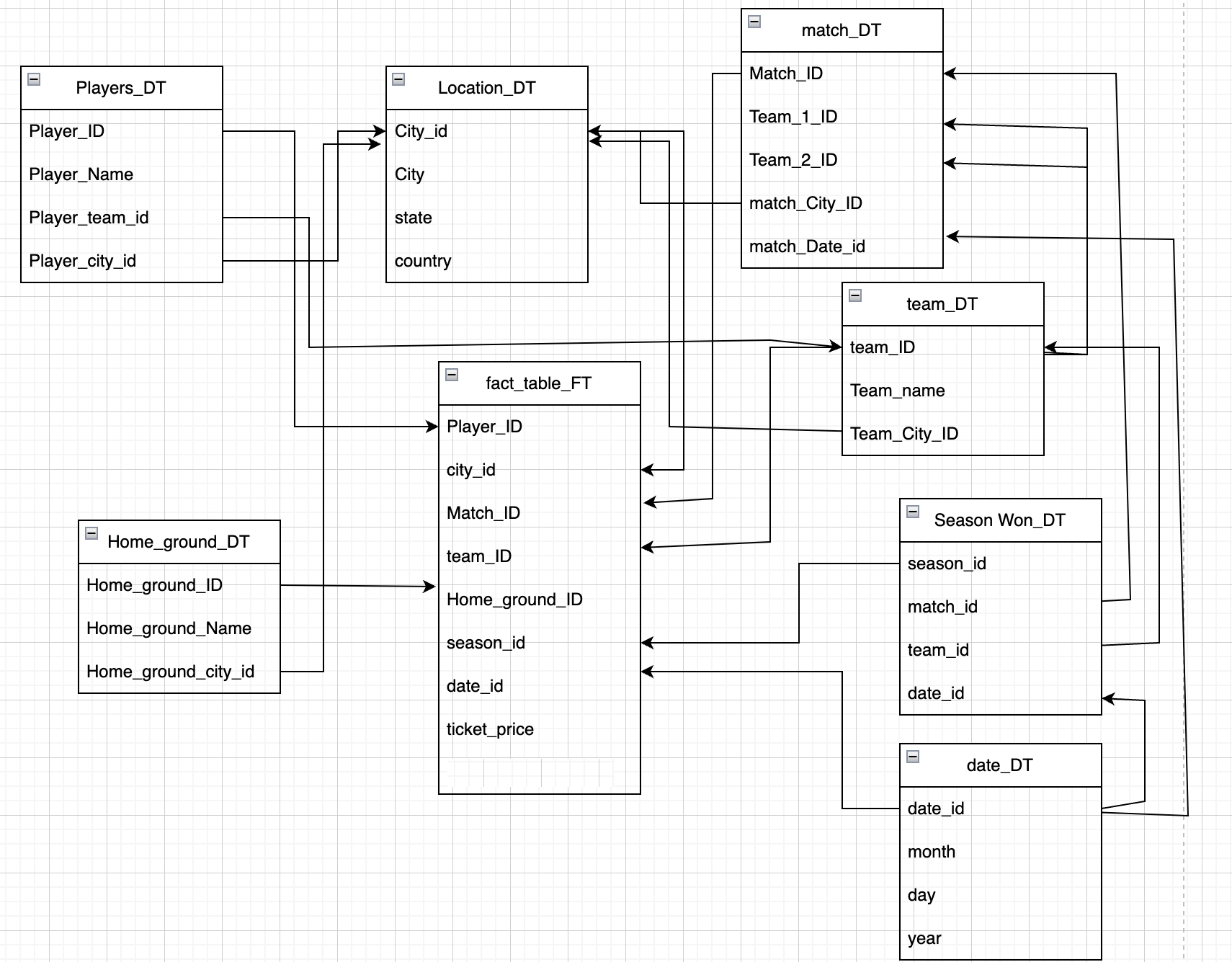
**IPL tournament business model**

****

1. **How many teams were playing the IPL match and what are their team name?**

Select count(\*) from team\_dt

Select team\_name from team\_dt

1. **Which city most IPL payers belong to?**

Select count(player\_name) as number\_of\_players , l.city

from players\_dt p left join location\_dt l on p.player\_city\_id = l.city\_id

group by city order by number\_of\_players desc limit 1;

1. **How many tickets sold, when a team played in home ground?**

Select count(f.ticket\_price) as no\_tickets\_sold ,t.team\_name

from team\_dt t join fact\_table\_ft f on t.team\_id = f.team\_id

Join home\_ground\_dt h on h. home\_ground\_id = f. home\_ground\_dt

Group by team\_name order by no\_tickets\_sold desc;

1. **Which team has won the most seasons and which city they represent?**

Select count(t.team\_id) as no.times\_team\_won,l.city,t.team\_name

from season\_won\_dt s join team\_dt t on t.team\_id = s.team\_id

Join location\_dt l on t.team\_city\_id = l.city\_id

Group by l.city,t.team\_name order by no.times\_team\_won desc;

1. **How many tickets sold for each match?**

Select count(f.ticket\_price) as no\_tickets\_sold,m.match\_id

from match\_dt m join fact\_table\_ft f on m.match\_id = f.match\_id

Group by m.match\_id order by no\_tickets\_sold desc;

1. **Where did the 5th match happen and what are the teams participated in the match**

Select l.city, t1.team\_name,t2.team\_name

from match\_dt m join team\_dt t1 on t1.team\_id = m.team\_1\_id

join team\_dt t2 on t2.team\_id = m.team\_2\_id

join location\_dt l on l.city\_id = m.match\_city\_id

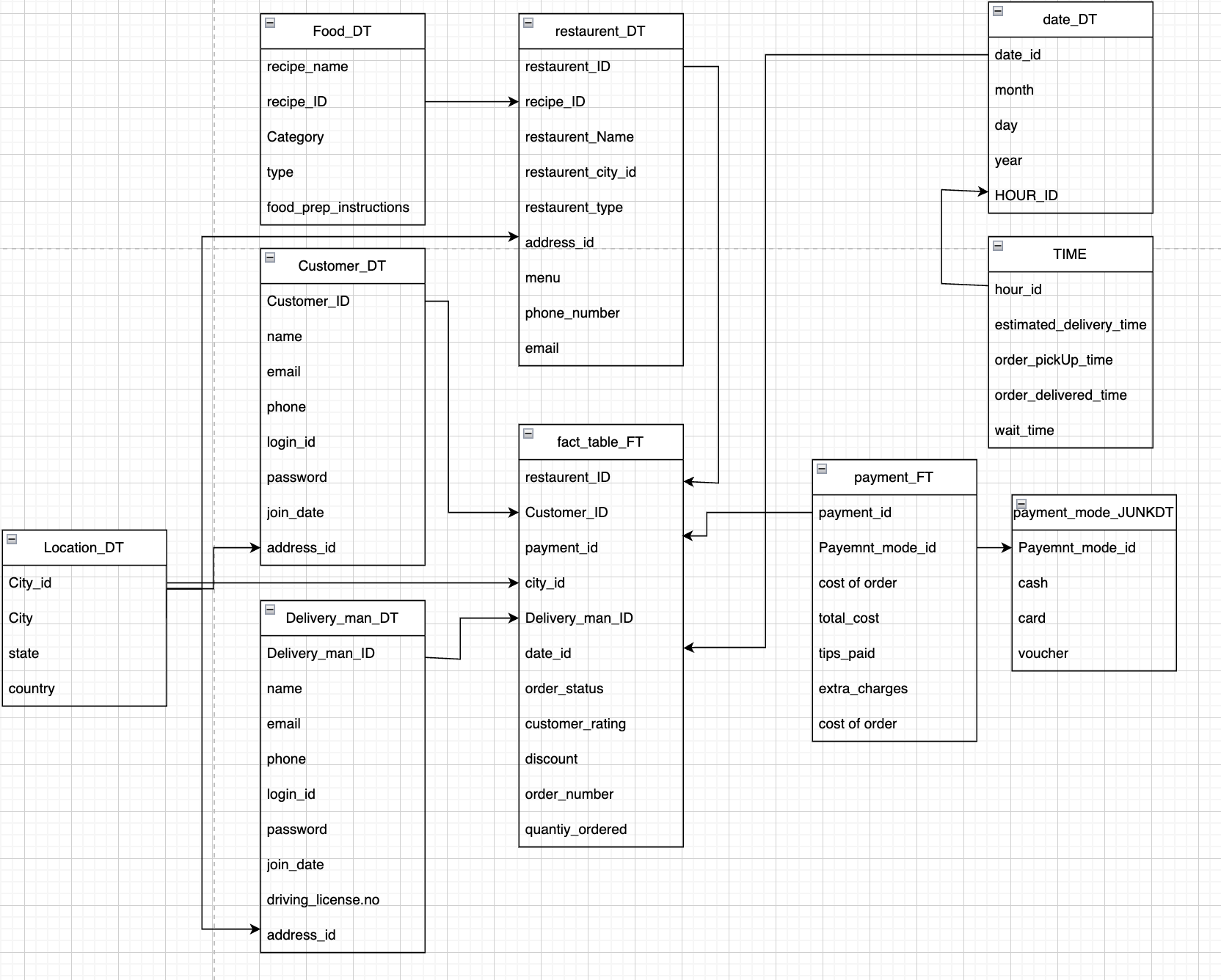
where match\_id =5

1. **What is the average numbers of tickets sold in all the match**

Select avg (total\_count) from

(Select count(f.ticket\_price) as total\_count from match\_dt m join fact\_table\_ft f on f.match\_id = m.match\_id group by m.match\_id) as p ;

**Food delivery app data warehouse model**

****

1. **Find how many orders each customer ordered**

SELECT count(f.Order\_number) as order\_Count,c.Name

FROM Customer\_dt c join fact\_table\_ft f on c.Customer\_ID = f.CustomerID

group by C.Name order by order\_Count desc;

1. **Which restaurant has the highest orders**

Select count(f. Order\_number) as order\_count

From restaurant\_dt r join fact\_table\_ft f on r.restauresnt\_ID = f. restauresnt\_ID

Group by restaurant\_name order my order\_count desc limit 1;

**3)Which recipe has the most customers ordered**

Select food.recipe\_name, count(f.order\_number) as number\_of\_count from fact\_table\_ft f Join restaurant\_dt r on f. restauresnt\_ID = r. restauresnt\_ID

Join food\_dt food on food. restauresnt\_ID = r. restauresnt\_ID

Group by food.recipe\_name order by number\_of\_count desc;

**4)How many customers paid with vouchers and cards**

**With cte as (**SELECT count(c.name) as number\_of\_customers, j.cash

FROM Customer\_dt c join fact\_table\_ft f on c.Customer\_ID = f.CustomerID

Join payment\_ft p on f.payment\_id = p.payment\_id

Join payment\_modejunkdt j on j.payment\_mode\_id = p. payment\_mode\_id

Where j.cash =1

group by j.cash order by number\_of\_customers),

cte1 as (

SELECT count(c.name) as number\_of\_customers, j.voucher

FROM Customer\_dt c join fact\_table\_ft f on c.Customer\_ID = f.CustomerID

Join payment\_ft p on f.payment\_id = p.payment\_id

Join payment\_modejunkdt j on j.payment\_mode\_id = p. payment\_mode\_id

Where j.voucher =1

group by j.voucher order by number\_of\_customers)

select number\_of\_customers, j.cash as cash from cte

union all

select number\_of\_customers, j.voucher as voucher from cte1;

1. **Which delivery person has the highest rating**

Select max(f.delivery\_rating) as highest\_Rating ,d.name

from delivery\_man\_dt d join fact\_table\_ft f on f.delivery\_man\_id = d. delivery\_man\_id

Group by d.name order by highest\_Rating desc limit 1;

1. **Which delivery person has the highest tips**

Select sum(p.tips\_paid) as highest\_tips ,d.name

from delivery\_man\_dt d join fact\_table\_ft f on f.delivery\_man\_id = d. delivery\_man\_id

join payment\_ft p on p.payment\_id = f.payment\_id

Group by d.name order by highest\_tips desc limit 1;

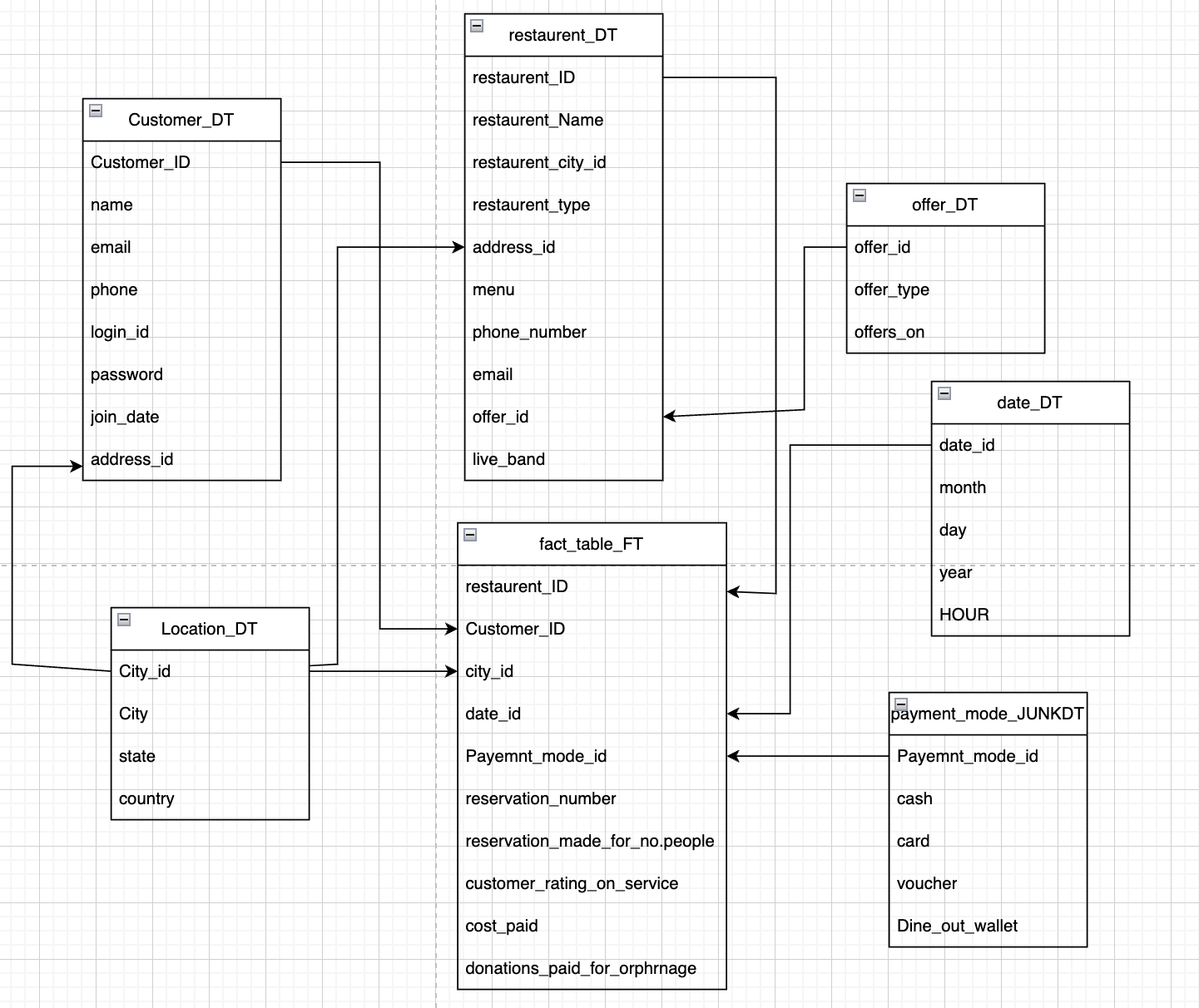
1. **Which city has the highest orders**

Select count(f.order\_number) as number\_of\_orders, l.city

from location\_dt l join fact\_table\_ft f on f.city\_id=l.city\_id

Group by l.city order by number\_of\_orders

**Restaurant table booking app Datawarehouse design model**

****

1. **find which city has the highest customers ?**

select count(c.name) as no.of\_customer\_count,l.city

from customer\_dt c join location\_dt l on l.city\_id= c.address\_id

group by l.city order by no.of\_customer\_count desc limit 1;

**2)find the Customer who paid highest bill ?**

Select sum(f.cost\_paid) as highest\_cost\_paid, c.name

from customer\_dt c join fact\_table\_ft f on f.customer\_id=c.customer\_id

group by c.name order by highest\_cost\_paid desc limit 1;

**3)find the customer who reserved table for more than 10 people**

Select c.name

from customer\_dt c join fact\_table\_ft f on f.customer\_id=c.customer\_id

where f.reservation\_made\_for\_no.of\_people >=10;

**4)Find the customer who paid from dine out wallet**

Select c.name

from customer\_dt c join fact\_table\_ft f on f.customer\_id=c.customer\_id

join payment\_mode\_junkdt p on p.payment\_mode\_id= f.payment\_mode\_id

where p.dine\_out\_wallet = 1;

**5) find out the number of customers made reservations of table during the month January 2022**

select count(f.reservation\_number) as number\_of\_reservations\_in\_january

from fact\_table\_ft f join date\_dt d on d.date\_id = f.date\_id

where d.month = 01 and d.year = 2022;

**6)find out customers who paid extra amount for donation**

Select c.name

from customer\_dt c join fact\_table\_ft f on f.customer\_id=c.customer\_id

where f.donation\_paid\_for\_orphanage = 1;

**7) what is the average cost paid for 2 people?**

Select avg(cost\_paid) as average\_cost from fact\_table\_ft where reservation\_made\_for\_no.people = 2

**8)find all the restaurants who offer live bands and number of the customers went to live band**

Select count(c.name) as number\_of\_customers ,r.restaurent\_name

from customers\_dt c join fact\_table\_ft f on c.customer\_id = f.customer\_id

Join restaurant\_dt on r.restaurent\_id = f.restaurent\_id

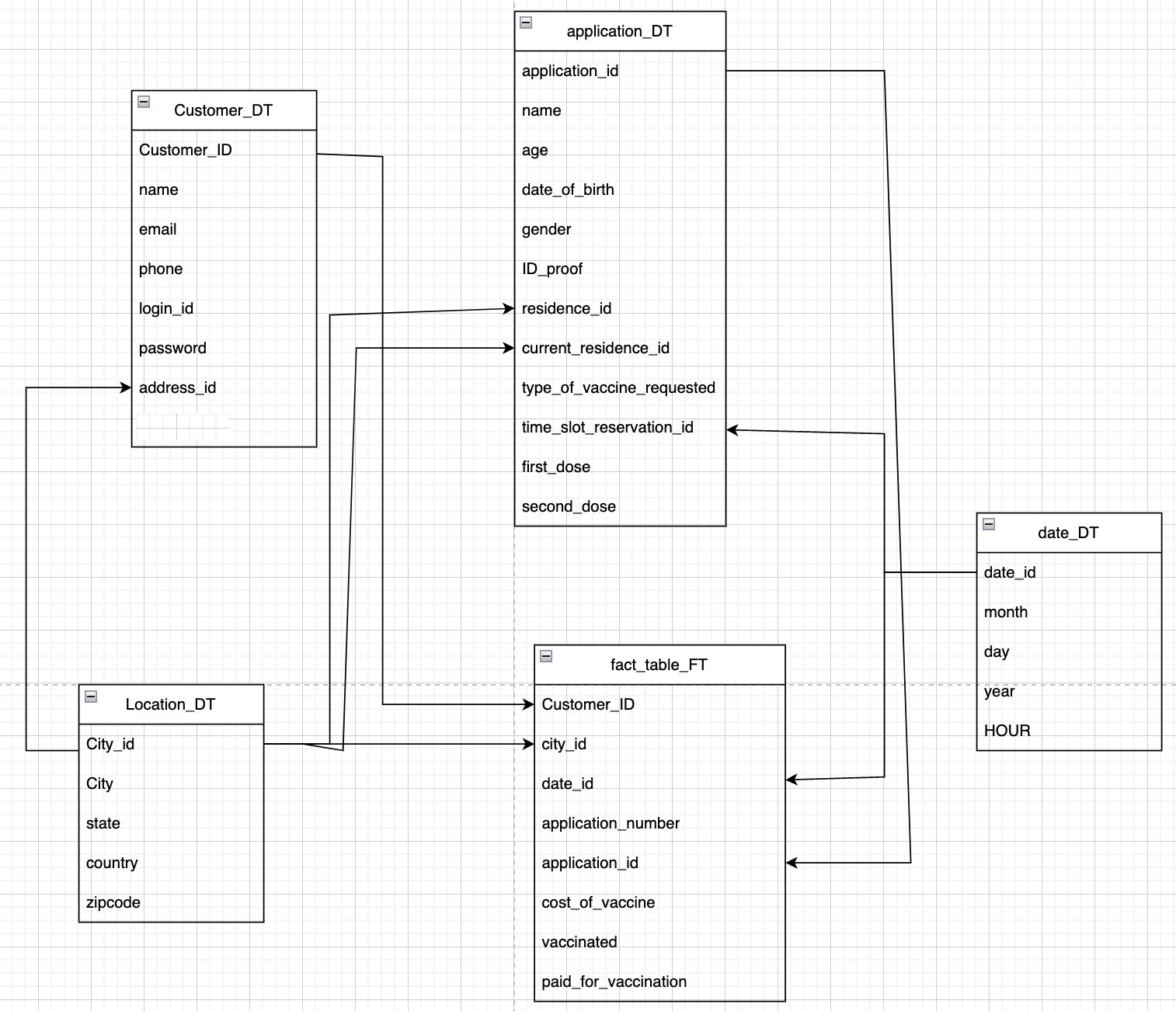
Where r.live\_band=’yes’

Group by r.restaurent\_name order by number\_of\_customers desc;

**9)find number of restaurents whose type is “bar and restaurent”**

Select restaurant\_name from restaurant\_dt where type = ‘bar and restaurent’

**Covid vaccine Application Datawarehouse model**

****

**1)find all the customers who booked appointment in January 2022**

Select c.name from customers\_dt c join fact\_table\_ft f on f.customer\_id=c.customer\_id

Join application\_dt a on a.application\_id = f.application\_id

Join date\_dt d on d.date\_id=a.time\_slot\_reservation\_id

Where d.month = 01 and d.year = 2022

**2)find how many customers applied for first dose**

Select count(name) as no.of\_customers from customers\_dt c join fact\_table\_ft f on f.customer\_id=c.customer\_id

Join application\_dt a on a.application\_id = f.application\_id

Where a.first\_dose = ‘No’

**3)how many people vaccinated in January**

Select count(c.name) as no.of\_vaccinated\_people from customers\_dt c join fact\_table\_ft f on f.customer\_id=c.customer\_id

Join date\_dt d on d.date\_id=f.date\_id

Where d.month = 01 and d.year = 2022 and f.vaccinated = 1

**4)find how many customers had first and second dose and applied for third dose**

Select count(name) as no.of\_customers from customers\_dt c join fact\_table\_ft f on f.customer\_id=c.customer\_id

Join application\_dt a on a.application\_id = f.application\_id

Where a.first\_dose = ‘yes’ and a.second\_dose=’yes’;

**5)find all the customers who used paid vaccine**

Select c.name as customer\_name from customers\_dt c join fact\_table\_ft f on f.customer\_id=c.customer\_id

Where f.paid\_for\_vaccination=1

**6) what is the total amount received upon paid vaccine**

Select sum(cost\_of\_vaccine ) as total\_amount from fact\_table\_ft

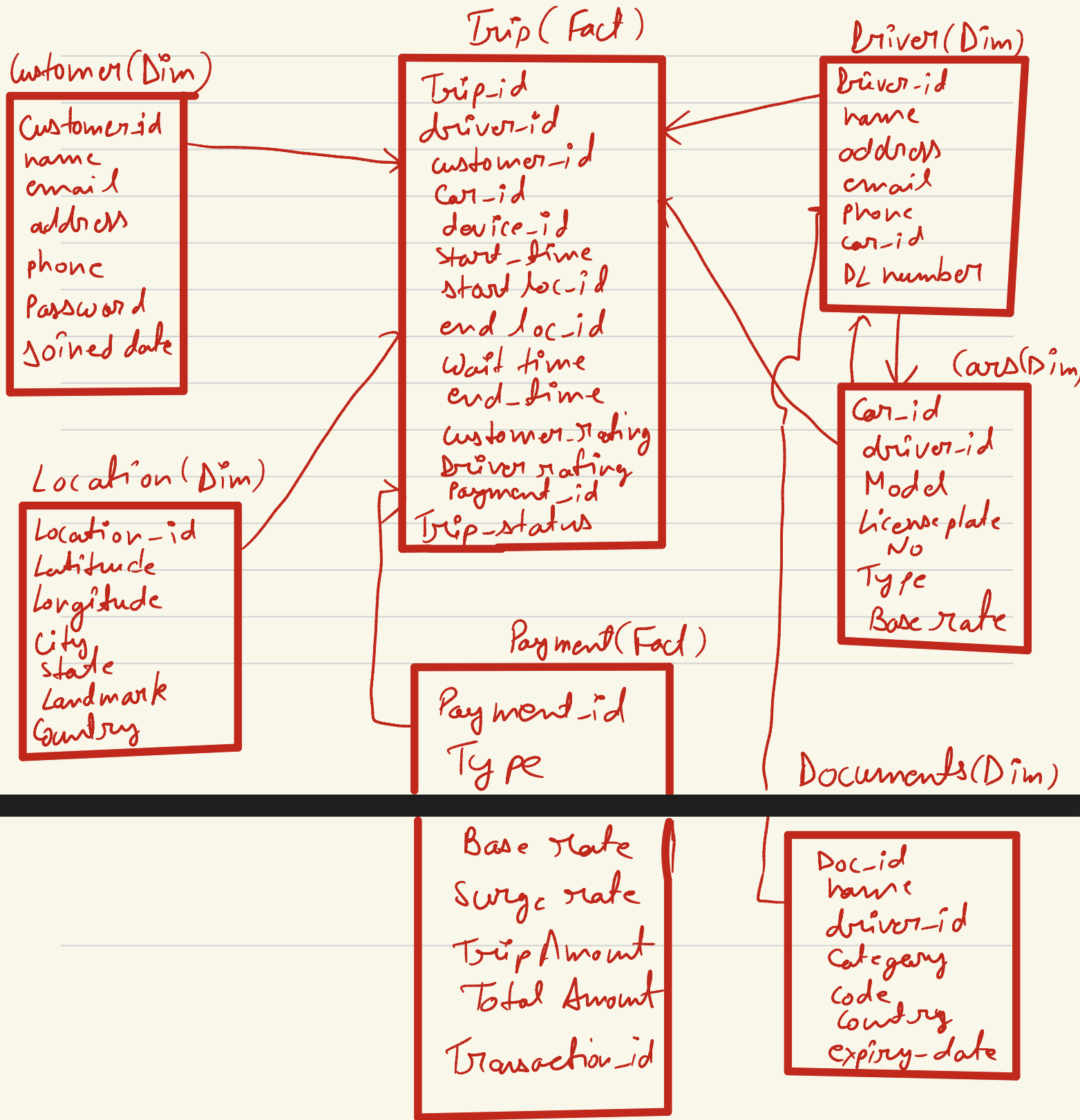
Where paid\_for\_vaccine=1;

**7)find how many application request received on jan 22**

Select count(f.application\_number) as applications\_Request from fact\_table\_ft f join date\_dt d on d.date\_dt = f.date\_dt

Where d.month = 02 and day = 22;

**cab ride service Datawarehouse**



**Note: there is already a design related to this so I’m not creating the new one but I write the business queries**

1. **what Is the total trips taken by each customer**

select c.name, count(p.transaction\_id) as number\_of\_count

from customer c join trip t on t.customer\_id = c.customer\_id

join payment p on p.payment\_id =t.payment\_id

group by c.name, order by number\_of\_count desc;

1. **what is the average amount of total amount that trips taken to ‘hyderabad’**

select avg(p.total\_amount) as average\_amount

from payment p join trips t on p.payment\_id = t.payment\_id

join location l on l.location\_id = t.location\_id

where l.city = ‘Hyderabad’;

1. **what is the destination name that most customers took**

select l.city as destination\_name, count(p.transaction\_id) as number\_of\_trips

from payment p join trips t on p.payment\_id = t.payment\_id

join location l on l.location\_id = t.location\_id

group by l.city order by number\_of\_trips desc limit 1;

1. **which driver has the highest rating**

select count(t.customer\_rating) as highest\_rating,d.name

from driver d join trip t on d.driver\_Id = t.driver\_id group by d.name order by highest\_rating desc limit 1