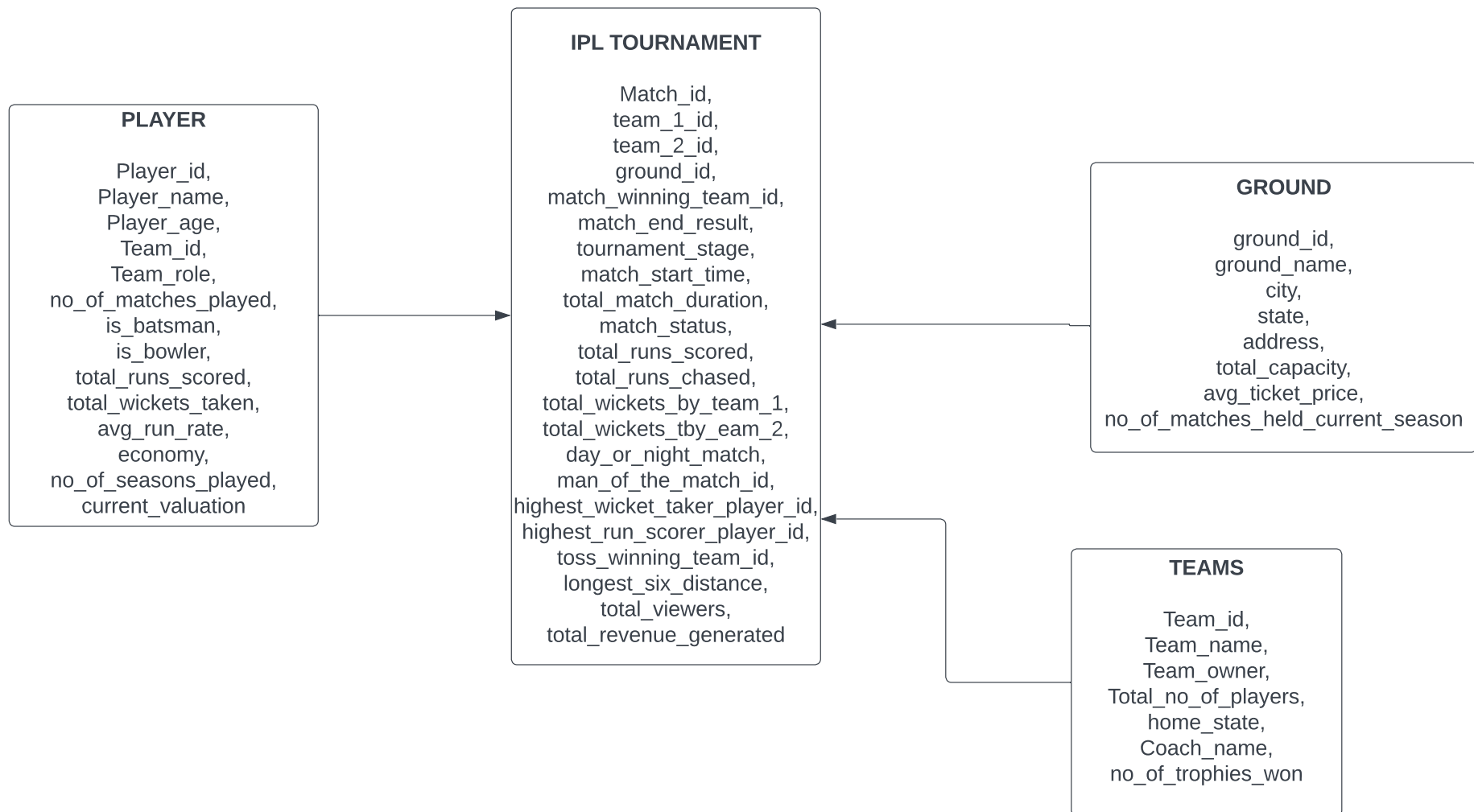


DWH DESIGN FOR IPL TOURNAMENT



QUERIES:

a.) To get the total no. of matches won by a specific team in current season till date:

```
select t.team_id,count(distinct match_id) as match_count from ipl_tournament as i inner join teams as t on i.match_winning_team_id=t.team_id group by t.team_id order by count(distinct match_id) desc;
```

b.) To get the total night matches played on a particular ground:

```
select g.ground_id,g.ground_name,count(distinct match_id) as night_match_count from ipl_tournament as i inner join ground as g on i.ground_id=g.ground_id where day_or_night_match='night' group by 1,2 order by count(distinct match_id) desc;
```

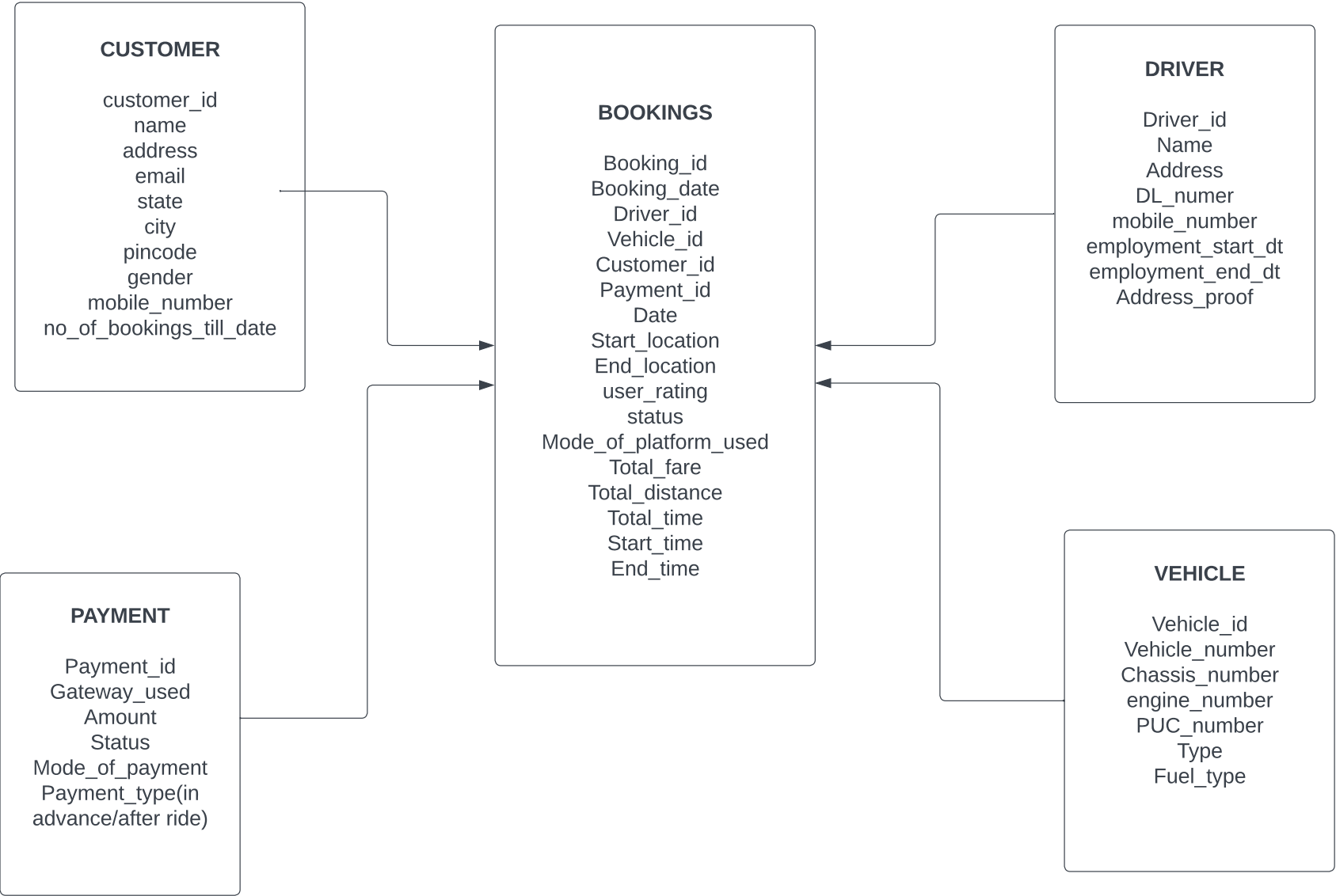
c.) To get the player who has been awarded man_of_the_match highest no. of times:

```
select p.player_id,count(distinct match_id) as match_count from ipl_tournament as i inner join player as p on i.man_of_the_match_id=p.player_id group by p.player_id order by count(distinct match_id) desc;
```

d.) To get the team which has won the toss and also won the match the highest number of times:

```
select t.team_id,count(distinct match_id) as match_count from ipl_tournament as i inner join teams as t on i.toss_winning_team_id = t.team_id and i.match_winning_team_id = t.team_id group by t.team_id order by count(distinct match_id) desc;
```

DATA WAREHOUSE DESIGN FOR CAB RIDE SERVICE

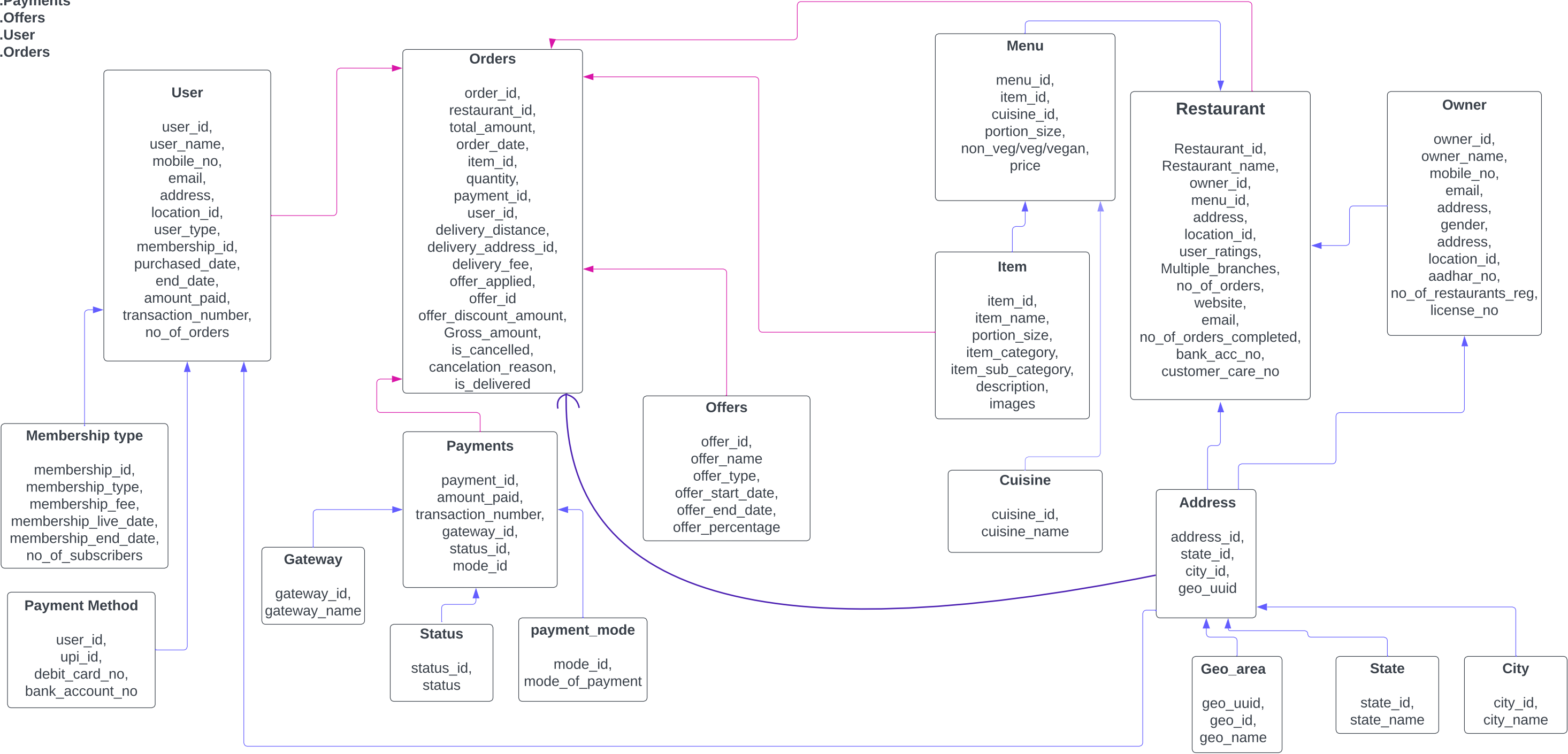


QUERIES:

- a. To query the no. of rides where SUV was used:**
`select v.type,count(distinct booking_id) as ride_count from bookings as b left join vehicle as v on b.vehicle_id=v.vehicle_id where v.type='SUV'`
- b. To query no. of users who have booked for atleast 5 times in the past 2 months:**
`select b.customer_id,count(booking_id) from bookings as b left join customer as c on b.customer_id=c.customer_id where b.status='completed' and extract(year from booking_date) = '2023' and extract(month from booking_date) >= (extract(month from booking_date) -1) group by customer_id having count(booking_id) >=5`
- c. To get the no. of users who payed the amount after ride completion:**
`select count(distinct b.customer_id) from bookings as b left join payment as p on p.payment_id=b.payment_id left join customer as c on b.customer_id=c.customer_id where p.status='success' and p. payment_type = 'After Ride' and b.status='completed'`
- d. To get the driver details who have joined in this month and have successfully completed more than 10 orders :**
`select * from driver where extract(month,employment_start_dt) = extract(month,sysdate) and extract(year, employment_start_dt)=2023'`

1.Restaurants
2.Dishes
3.Payments
4.Ooffers
5.User
6.Orders

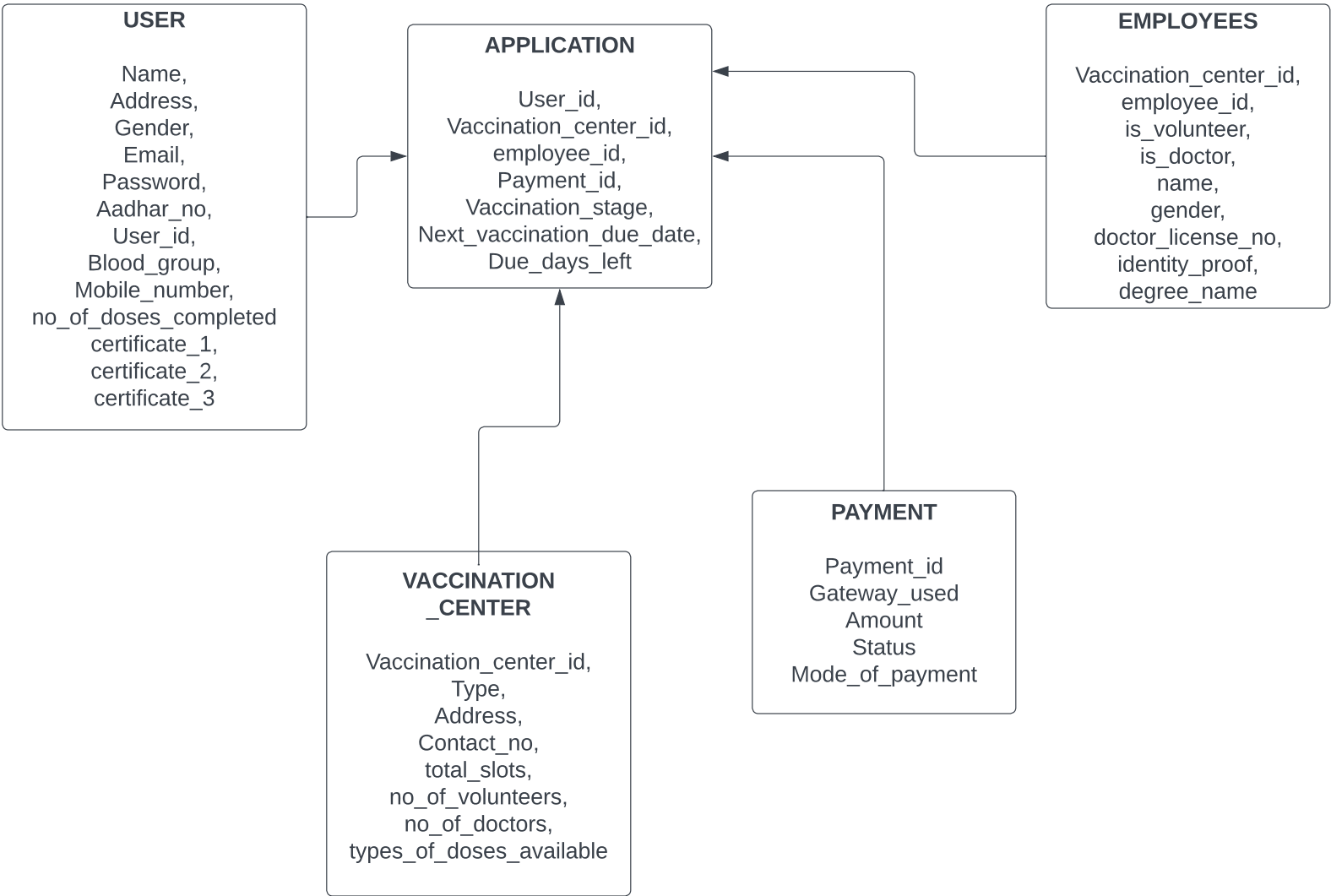
Star Schema - DWH Design for food delivery app like Zomato,Swiggy



QUERIES:

- a.) To get the no. of users using a particular payment gateway:
select g.gateway_name,count(o.user_id) as user_count from orders as o left join user as u on o.order_id=u.user_id left join payments as p on o.payment_id=p.payment_id left join gateway as g on g.gateway_id=p.gateway_id group by g.gateway_id,g.gateway_name order by count(o.user_id) desc;
- b.) To get all the users who have 'premium' membership:
select u.user_name,user_id from orders as o left join user as u on o.order_id=u.user_id left join Membership_type as m on o.membership_id=m.membership_id where m.membership_type='Premium';
- c.) To get the no. of orders delivered to a particular geo area:
select g.geo_name,count(o.order_id) as order_count from orders as o left join address as a on o.delivery_address_id=a.address_id left join geo_area as g on g.geo_uuid=a.geo_uuid group by g.geo_name order by count(o.order_id) desc;
- d.) To get all the orders which had delivery_distance greater than 3 km:
select order_id from Orders where delivery_distance >= 3
- e.) To get all the orders from restaurants which had greater than 4 user ratings:
select r.restaurant_id,count(o.order_id) as order_count from orders as o left join restaurants as r on o.restaurant_id=r.restaurant_id where r.user_ratings>=4 group by r.restaurant_id order by count(o.order_id) desc;

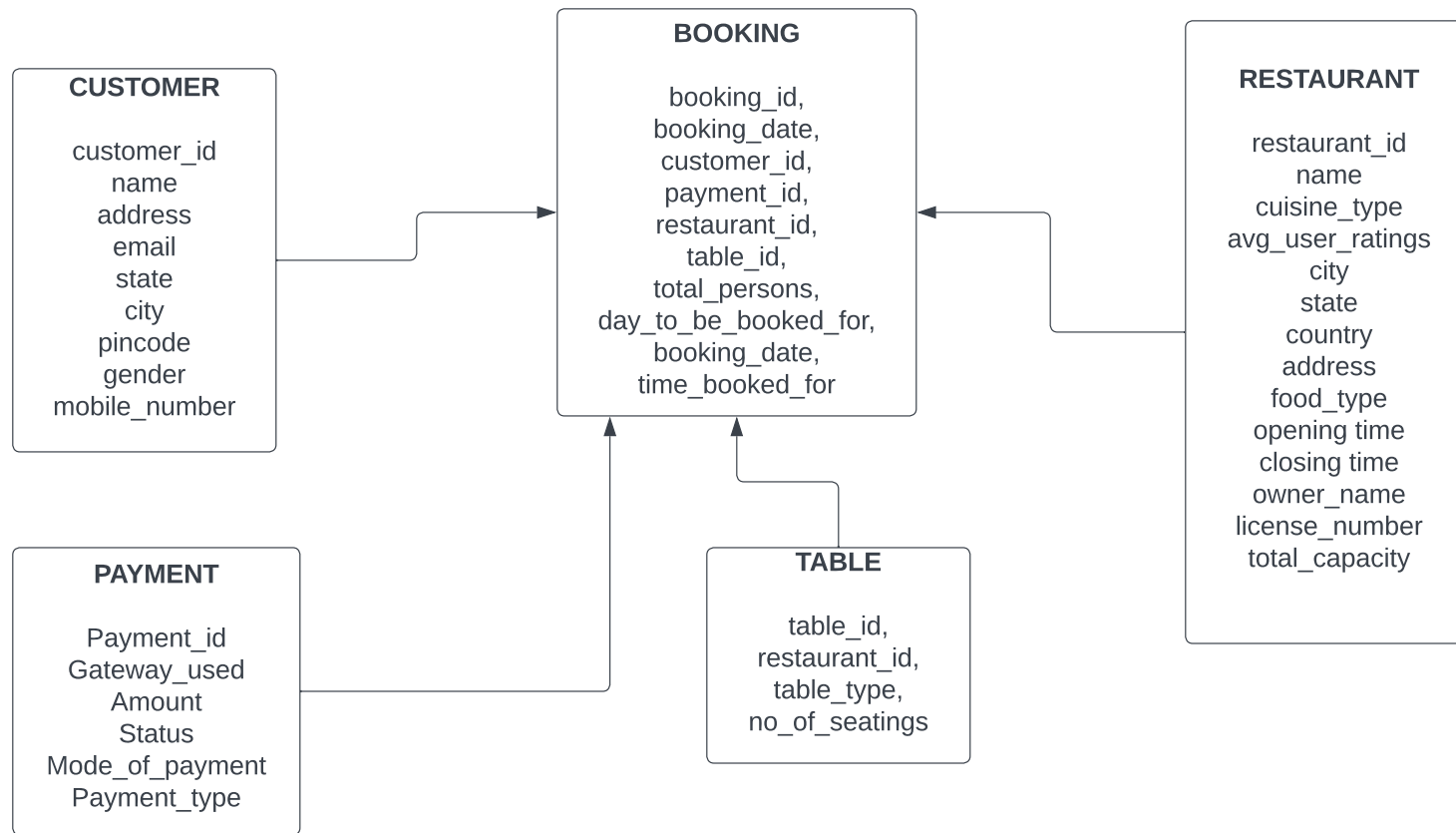
DWH DESIGN FOR COVID VACCINATION BOOKING APPLICATION



Queries:

- a.) To get the no. of people who have taken atleast 1 dose and have less than 10 days left for next dose:
select count(distinct user_id) as count from application as a left join user as u on a.user_id=u.user_id where u.no_of_doses_completed>=1 and due_days_left <=10 group by user_id;
- b.) To get the no. of patients vaccinated by each doctor:
select e.employee_id,count(user_id) as patient_count from application a left join employees e on a.employee_id=e.employee_id group by e.employee_id;
- c.) To get the no. of patients vaccinated at each vaccination center:
select v.Vaccination_center_id,count(user_id) as patient_count from application a left join vaccination_center v on a.Vaccination_center_id=v.Vaccination_center_id group by a.Vaccination_center_id order by count(user_id);
- d.) To get the no. of patients having vaccination_due_date in February month:
select extract(month from Next_vaccination_due_date) as month,count(distinct user_id) as count from application where extract(month from Next_vaccination_due_date) = 02 group by extract(month from Next_vaccination_due_date);

DWH DESIGN FOR TABLE BOOKING APP



QUERIES:

a.) To get the restaurant with most bookings in Mumbai:

```
select r.restaurant_id,r.name,count(distinct booking_id) as booking_count from booking as b left join restaurant as r where r.city='Mumbai' group by r.restaurant_id,r.name order by count(distinct booking_id) desc limit 1;
```

b.) To get the no. of bookings with respect to no. of persons booked for:

```
select total_persons,count(distinct booking_id) from booking where booking_date between <start_date> and <end_date> group by total_persons;
```

c.) To get the time period with most no. of bookings for a particular restaurant:

```
select r.name,time_period,count(distinct booking_id) as booking_count from (
select r.name,case when time_booked_for between 09 and 12 then 'Morning'
when time_booked_for between 13 and 16 then 'Afternoon'
when time_booked_for between 19 and 23 then 'Night' end as time_period from booking as b left join restaurant as r on b.restaurant_id=r.restaurant_id where
r.city='Mumbai') group by r.name,time_period order by count(distinct booking_id) desc;
```

d.) To get the no. of bookings for each table type for a particular restaurant in Pune:

```
select b.restaurant_id,t.table_type,count(distinct booking_id) as count from bookings as b left join table as t on b.table_id=t.table_id and b.restaurant_id=t.restaurant_id left join
restaurant as r on r.restaurant_id=b.restaurant_id where r.city='Pune' and r.restaurant_id='ab321bgjgha6a23' group by b.restaurant_id,t.table_type order by count(distinct booking_id)
desc;
```