SQL PROJECT

Airtel Telecom Customer Analytics System

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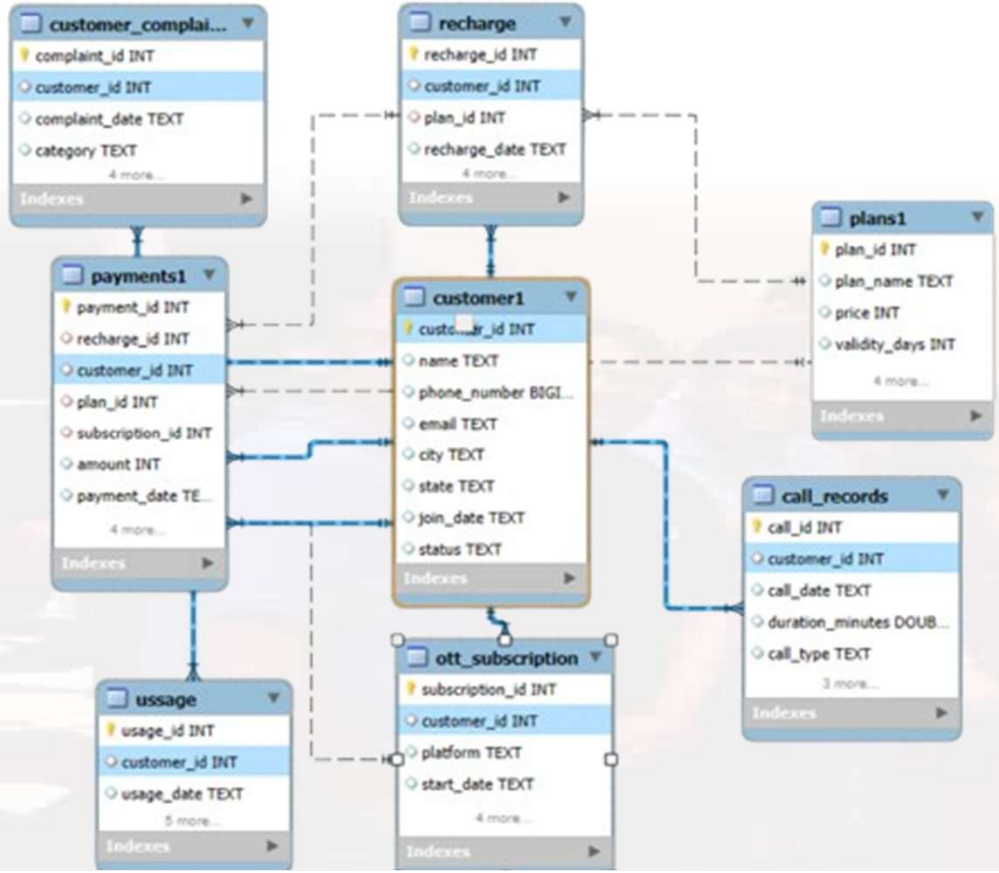
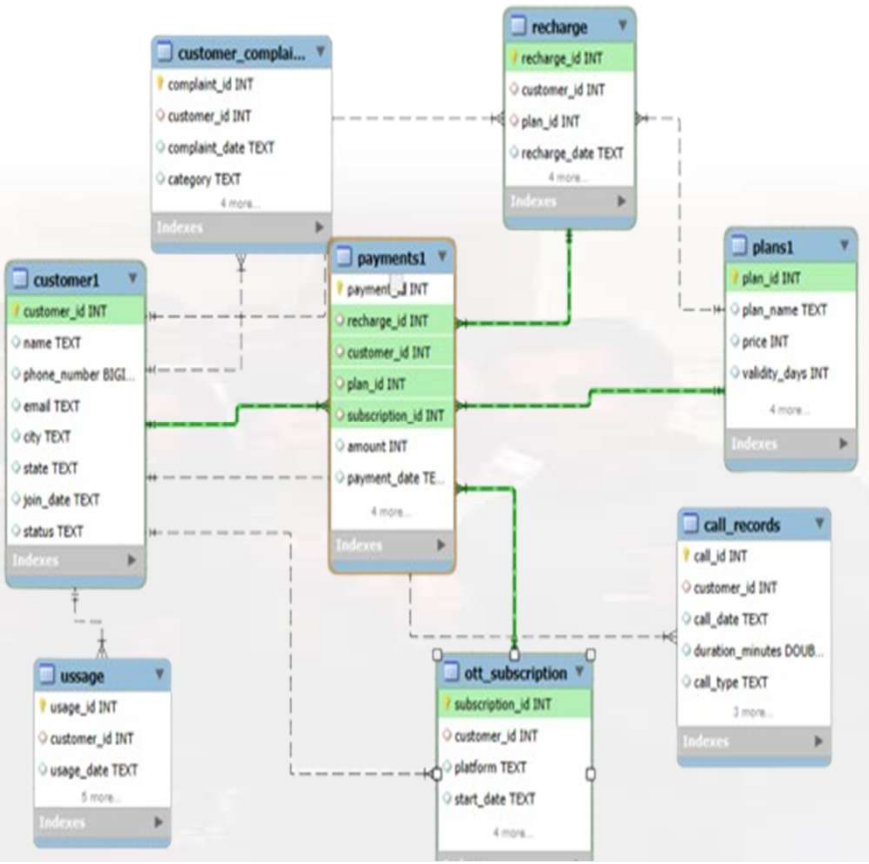
EER DIGRAM

CUSTOMERS



PATYMENTS



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Top 5 customers who made the highest total payments

```
SELECT  c.customer_id,  c.name,
    SUM(p.amount) AS total_payment
FROM customer1 c JOIN payments1 p ON c.customer_id = p.customer_id
GROUP BY c.customer_id, c.name ORDER BY total_payment DESC LIMIT 5;
```

customer_id	name	total_payment
855	Mrs. Melissa Barnes	3596
3176	Melanie Patton	3596
2665	Kristine Gray	3595
263	James Perkins	3394
4131	Michelle Bailey	3196

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how many customers have an active OTT subscription

```
SELECT COUNT(DISTINCT customer_id) AS total_ott_users
FROM ott_subscription;
```

	total_ott_users
▶	3812

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Most Popular Plan (Highest Recharges)

```
SELECT  p.plan_name, COUNT(r.recharge_id) AS total_recharges
FROM plans1 p
JOIN recharge r ON p.plan_id = r.plan_id
GROUP BY p.plan_name ORDER BY total_recharges DESC LIMIT 5;
```

plan_name	total_recharges
Airtel 199	1555
Airtel 499	1505
Airtel 299	1481
Airtel 399	1459

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Total Revenue Collected Per Plan

```
SELECT pl.plan_name, SUM(p.amount) AS total_revenue
FROM payments1 p
JOIN plans1 pl ON p.plan_id = pl.plan_id
GROUP BY pl.plan_name
ORDER BY total_revenue DESC;
```

plan_name	total_revenue
Airtel 399	770485
Airtel 299	760401
Airtel 499	740596
Airtel 199	738319

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Most active customers by number of calls

```
SELECT c.customer_id, c.name, COUNT(cr.call_id) AS total_calls
FROM call_records cr
JOIN customer1 c ON cr.customer_id = c.customer_id
GROUP BY c.customer_id, c.name
ORDER BY total_calls DESC
LIMIT 10;
```

customer_id	name	total_calls
2404	Ashley Christensen	7
3772	Janet Peterson	7
3558	Donna Morgan	6
2224	Carlos Campbell	6
4270	Paul Hansen	6
877	Cameron Anderson	5
2586	Kristen Mccarthy	5
592	Thomas Saunders	5
1184	Emily Young	5
441	Jonathan Williams	5

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Count of OTT subscriptions per platform

```
SELECT platform, COUNT(*) AS total_subscriptions
FROM ott_subscription
GROUP BY platform;
```

platform	total_subscriptions
SonyLIV	1227
Disney+ Hotstar	1134
Amazon Prime	1175
Zee5	1265
Netflix	1199

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Customer with longest average call duration

```
SELECT c.customer_id, c.name,
       AVG(cr.duration_minutes) AS avg_call_duration
FROM call_records cr
JOIN customer1 c ON cr.customer_id = c.customer_id
GROUP BY c.customer_id, c.name
ORDER BY avg_call_duration DESC
LIMIT 10;
```

customer_id	name	avg_call_duration
4041	Connie Long	20
2482	Sean Delacruz	19.99
2122	Katie Hendricks	19.98
872	Scott Lewis	19.97
500	Patrick Gutierrez	19.95

VIEW

Customer Without OTT Subscription

```
CREATE VIEW no_ott_customerss AS
SELECT c.customer_id,c.name
FROM customer1 c
LEFT JOIN ott_subscription o ON c.customer_id = o.customer_id
WHERE o.subscription_id IS NULL;
```

```
select * from no_ott_customerss;
```

customer_id	name
2	Kenneth Boyer
3	Linda Reynolds
7	John Miller
9	Christina Ross
13	Gregory Crawford
18	Alyssa Hubbard
19	Michael Leonard
22	Erik Gutierrez
23	Michael Brown
27	James Benson

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THANK YOU