



**SQL PROJECT**

**Airtel Telecom  
Customer Analytics  
System**

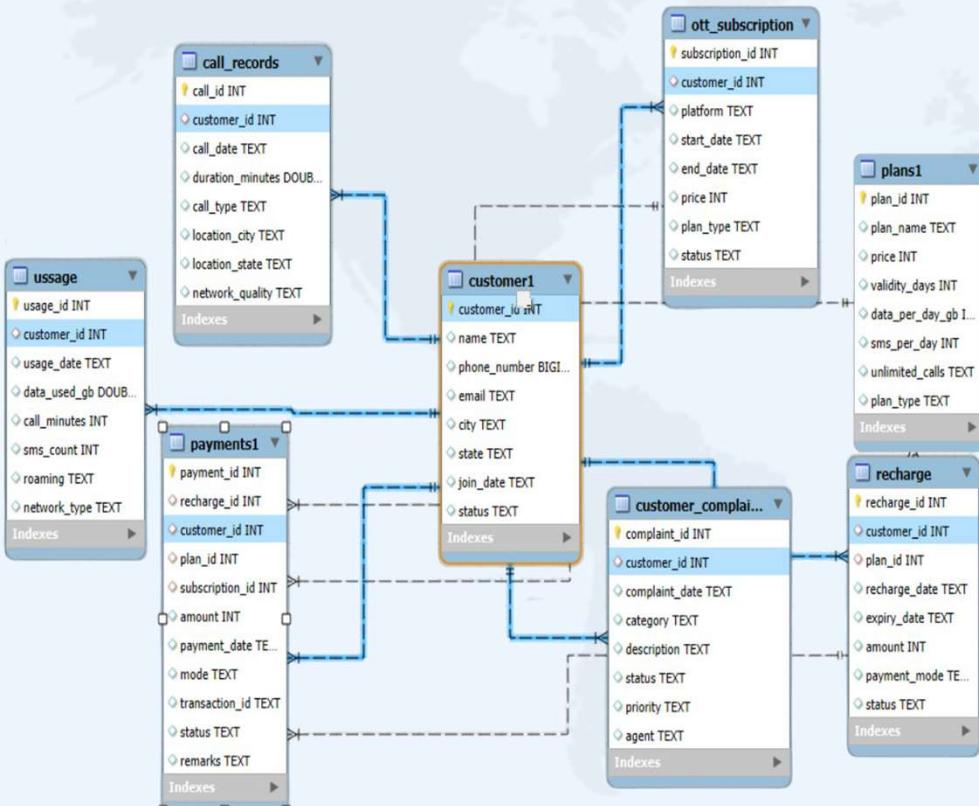
**RISHABH MALVIYA**



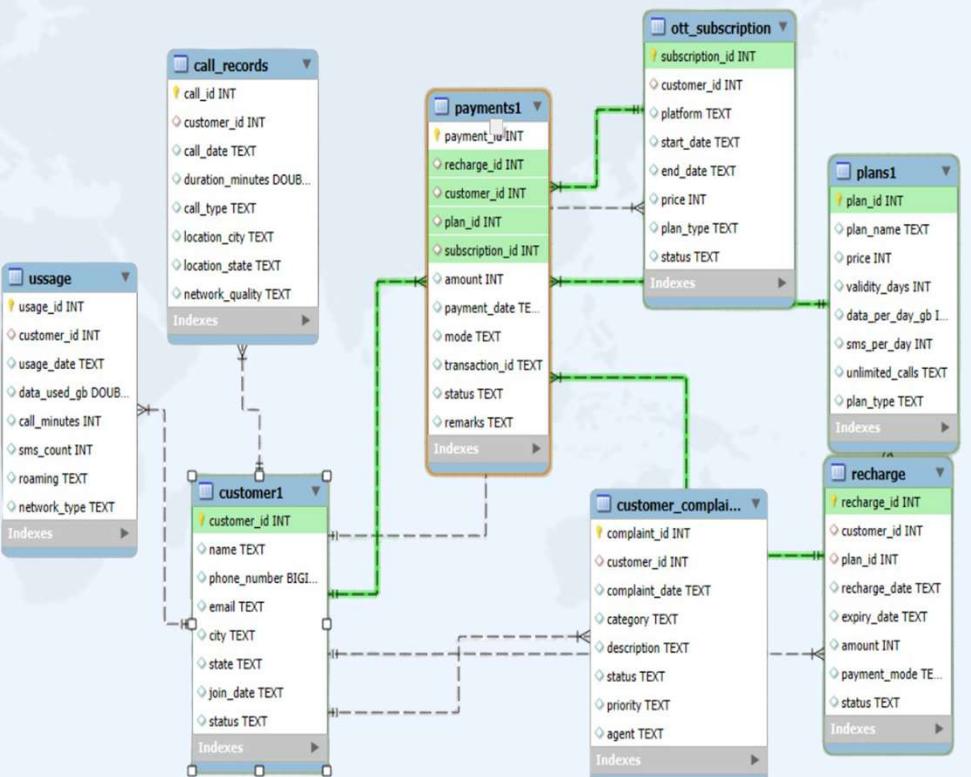


# ER DIAGRAM

## Customers



## Payments





## Top 5 customers who made the highest total payments

```
SELECT c.customer_id, c.name,  
       SUM(p.amount) A5 total_payment  
  FROM customer1 c JOIN payments1 p ON c.customer.id = p.customer.1  
 GROUP BY c.customer_id, k.name ORDER BY total_payment DESC LIMIT 5;
```

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





## How many customers have an active OTT subscription

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

total_ott_users
3812





## Most Popular Plan (Highest Recharges)

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

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





## Total Revenue Collected Per Plan

```
SELECT pl.plan_name,  
SUM(p.amount) AS total_revenue  
FROM paymets1 p  
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





## Most Active Customers by Number of Calls

```
SELECT c.customer_id, c.name,
       COUNT(cr.call_id)
          AS total_records cr
JOIN call_records cr
CUSTOM c cr.customer_id = cusumer_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





## Count of OTT Subscriptions per Platform

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

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





## Customer with Longest Average Call Duration

```
SELECT c.customer_id, c.name  
AVG(cr.duration_minutes)  
JOIN call_records cr  
ON collevecons  
GROUP c.customer_id, c.name  
ORDER BY avg_call_duration  
ORDER BY 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
	1677	Judy Griffin	19.95
	4020	Brandi Olson	19.93
	3205	Sheena Hardy	19.93
	2884	Samantha Perry	19.92
	384	Jenny Alvarez	19.9

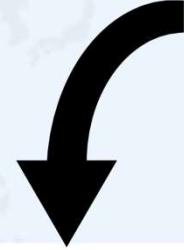




## Customer Without OTT Subscription

```
CREATE VIEW  
without_  
subscription AS  
SELECT COUNT(*) AS  
ott_subscription  
FROM customer1 AS  
LEFT JOIN ott_  
subscription AS o  
WHERE o.customer_id  
IS NULL;
```

```
select * from without_subscription;
```



ott_subscription
2188