

# LADrive

**LADrive** is a company that provides car rental services for travelers in Jakarta. **LADrive** stores customer, staff, car, and transaction data in the database. Each transaction is carried out by a staff and a customer, and a transaction can contains multiple cars.

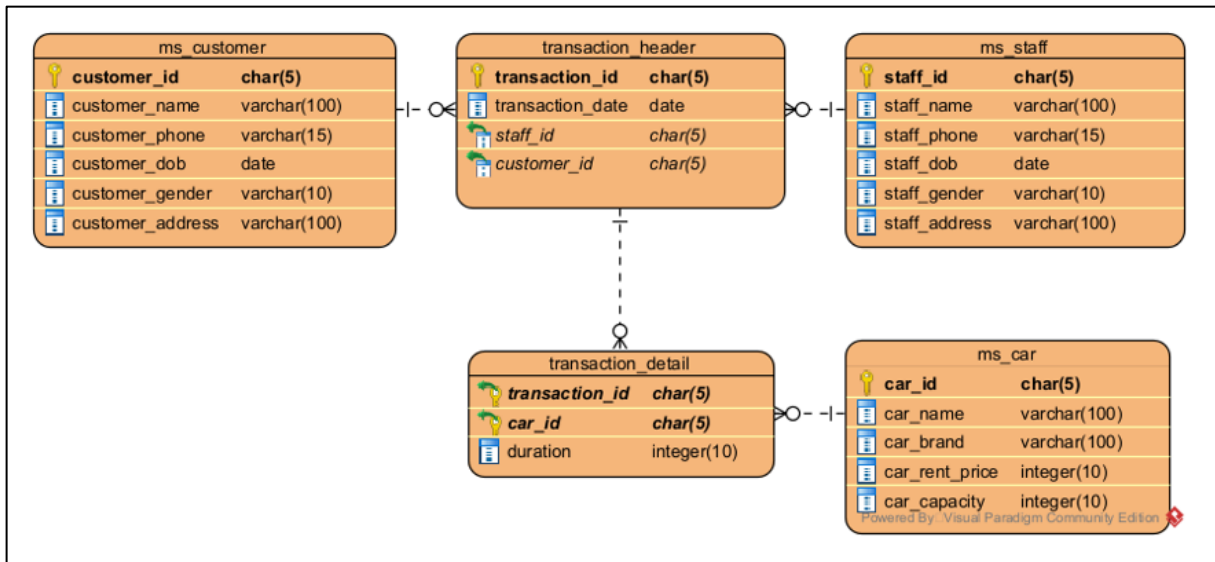


Figure 1. ERD

1. **WD Import** and use the database **using SQL Query**
2. **WD Display** **transaction\_id**, **staff\_id**, **staff\_name**, and **staff\_dob** for every transaction handled by staff that was born **before 2000**.

**(YEAR)**

<b>transaction_id</b>	<b>staff_id</b>	<b>staff_name</b>	<b>staff_dob</b>
TR003	ST002	Dominique Dennis	1996-06-18
TR011	ST002	Dominique Dennis	1996-06-18
TR004	ST005	Natasha Alerra	1998-04-24
TR010	ST005	Natasha Alerra	1998-04-24
TR013	ST005	Natasha Alerra	1998-04-24
TR001	ST006	Elle Ibarra	1994-12-29
TR008	ST006	Elle Ibarra	1994-12-29
TR015	ST006	Elle Ibarra	1994-12-29

3. **WD Display** **customer\_id** and **birth\_month** (obtained from the **month name** of the **customer's date of birth**) for every customer who has made transactions. Then, combine with **customer\_id** and **birth\_month** (obtained from the **month name** of the **customer's date of birth**) for every customer who was **born on February, March, or April**.

**(MONTHNAME, UNION, MONTH, IN, DISTINCT)**

<b>customer_id</b>	<b>birth_month</b>
CU001	February
CU002	December
CU003	February
CU004	September
CU005	March
CU007	February
CU009	February
CU010	August
CU008	April

4. **WD** Display **name** (obtained from **staff\_name** in **lowercase** format) and **phone\_number** (obtained from **staff\_phone**) for every staff who handles transaction **after 100<sup>th</sup> day of the year**. Then, combine it with **name** (obtained from **customer\_name**) and **phone\_number** (obtained from **customer\_phone**) for every **customer** whose **id is even** and **has done a transaction**.

**(DATE\_FORMAT, YEAR, LOWER, UNION, DISTINCT)**

name	phone_number
michella johanna	087676432009
natasha alerra	082090654325
dominique dennis	08950121345
mercedes manning	0829812453097
alaina nicholson	082775677349
elle ibarra	08987453025
kelsie roth	08277765435
ethen poole	0844375643534
alannah ramos	08200694325

5. **Drop car\_capacity** column in **ms\_car** table.

**(ALTER TABLE, DROP)**

**Before:**

car_id	car_name	car_brand	car_rent_price	car_capacity
CA001	Calya G 1.2 2020	Toyota	500000	8
CA002	Yaris S 1.5 2020	Toyota	800000	5
CA003	Raize GR Sport TSS 1.0 2021	Toyota	875000	5
CA004	Avanza Veloz 1.3 2021	Toyota	500000	8
CA005	City RS Hatchback 1.5	Honda	965000	5
CA006	Brio Satya E 1.2 2021	Honda	410000	5
CA007	Brio RS 1.2 2019	Honda	400000	5
CA008	HR-V E Prestige 1.8 2017	Honda	975000	5
CA009	HR-V E Prestige 1.8 2020	Honda	1030000	5
CA010	XPander Sport 1.5 2018	Mitsubishi	850000	5

**After:**

car_id	car_name	car_brand	car_rent_price
CA001	Calya G 1.2 2020	Toyota	500000
CA002	Yaris S 1.5 2020	Toyota	800000
CA003	Raize GR Sport TSS 1.0 2021	Toyota	875000
CA004	Avanza Veloz 1.3 2021	Toyota	500000
CA005	City RS Hatchback 1.5	Honda	965000
CA006	Brio Satya E 1.2 2021	Honda	410000
CA007	Brio RS 1.2 2019	Honda	400000
CA008	HR-V E Prestige 1.8 2017	Honda	975000
CA009	HR-V E Prestige 1.8 2020	Honda	1030000
CA010	XPander Sport 1.5 2018	Mitsubishi	850000

6. **Update car\_rent\_price by adding 50000 for every car that has been rented in 2022 and the car name contains “Sport”.**

**(UPDATE, YEAR, LIKE)**

**Before:**

car_id	car_name	car_brand	car_rent_price	car_capacity
CA001	Calya G 1.2 2020	Toyota	500000	8
CA002	Yaris S 1.5 2020	Toyota	800000	5
CA003	Raize GR Sport TSS 1.0 2021	Toyota	875000	5
CA004	Avanza Veloz 1.3 2021	Toyota	500000	8
CA005	City RS Hatchback 1.5	Honda	965000	5
CA006	Brio Satya E 1.2 2021	Honda	410000	5
CA007	Brio RS 1.2 2019	Honda	400000	5
CA008	HR-V E Prestige 1.8 2017	Honda	975000	5
CA009	HR-V E Prestige 1.8 2020	Honda	1030000	5
CA010	XPander Sport 1.5 2018	Mitsubishi	850000	5

**After :**

car_id	car_name	car_brand	car_rent_price	car_capacity
CA001	Calya G 1.2 2020	Toyota	500000	8
CA002	Yaris S 1.5 2020	Toyota	800000	5
CA003	Raize GR Sport TSS 1.0 2021	Toyota	925000	5
CA004	Avanza Veloz 1.3 2021	Toyota	500000	8
CA005	City RS Hatchback 1.5	Honda	965000	5
CA006	Brio Satya E 1.2 2021	Honda	410000	5
CA007	Brio RS 1.2 2019	Honda	400000	5
CA008	HR-V E Prestige 1.8 2017	Honda	975000	5
CA009	HR-V E Prestige 1.8 2020	Honda	1030000	5
CA010	XPander Sport 1.5 2018	Mitsubishi	900000	5

7. **WD** Display **transaction\_date** (obtained from **transaction\_date** with “Month-dd-yyyy” format), **car\_id**, and **car\_name** for every transaction that **duration** is more than 1 day and occurs before the 5<sup>th</sup> week of the year.

(DATE\_FORMAT, WEEKOFYEAR)

transaction_date	car_id	car_name
January-30-2022	CA002	Yaris S 1.5 2020
January-30-2022	CA007	Brio RS 1.2 2019

8. **WD** Display **transaction\_id**, **transaction\_month** (obtained from **month** name of **transaction\_date**), and **staff\_name**. Then, sort the result by **staff\_name** in descending format.

(MONTHNAME, ORDERBY)

transaction_id	transaction_month	staff_name
TR005	February	Alaina Nicholson
TR014	September	Alaina Nicholson
TR003	January	Dominique Dennis
TR011	September	Dominique Dennis
TR001	January	Elle Ibarra
TR008	February	Elle Ibarra
TR015	September	Elle Ibarra
TR006	February	Mercedes Manning
TR007	February	Mercedes Manning
TR012	September	Mercedes Manning
TR002	January	Michella Johanna
TR009	August	Michella Johanna
TR004	January	Natasha Alerra
TR010	September	Natasha Alerra
TR013	September	Natasha Alerra

9. **WD** Create a view named “extra\_payment\_for\_weekend\_view” to display **staff\_id** and **extra\_payment** (obtained from transaction **duration multiplied by 10000**) for every transaction that occurs on **Sunday**.

(CREATE VIEW, CONCAT, DAYNAME)

staff_id	extra_payment
ST006	Rp30000
ST006	Rp20000
ST001	Rp10000
ST001	Rp10000

10. **WD** Create a view named “extra\_driver\_promo\_view” to display **transaction\_id** and **rented** (obtained from combining **car\_name** with “ extra driver”) for every transaction that **cost greater than 2000000** (cost is obtained from the **duration multiplied by car\_rent\_price**) and occurs on **September 2022**.

(CREATE VIEW, SUBSTRING, MONTHNAME, CONCAT)

transaction_id	rented
TR010	Yaris S 1.5 2020 extra driver
TR013	XPander Sport 1.5 2018 extra driver