HOP-ON

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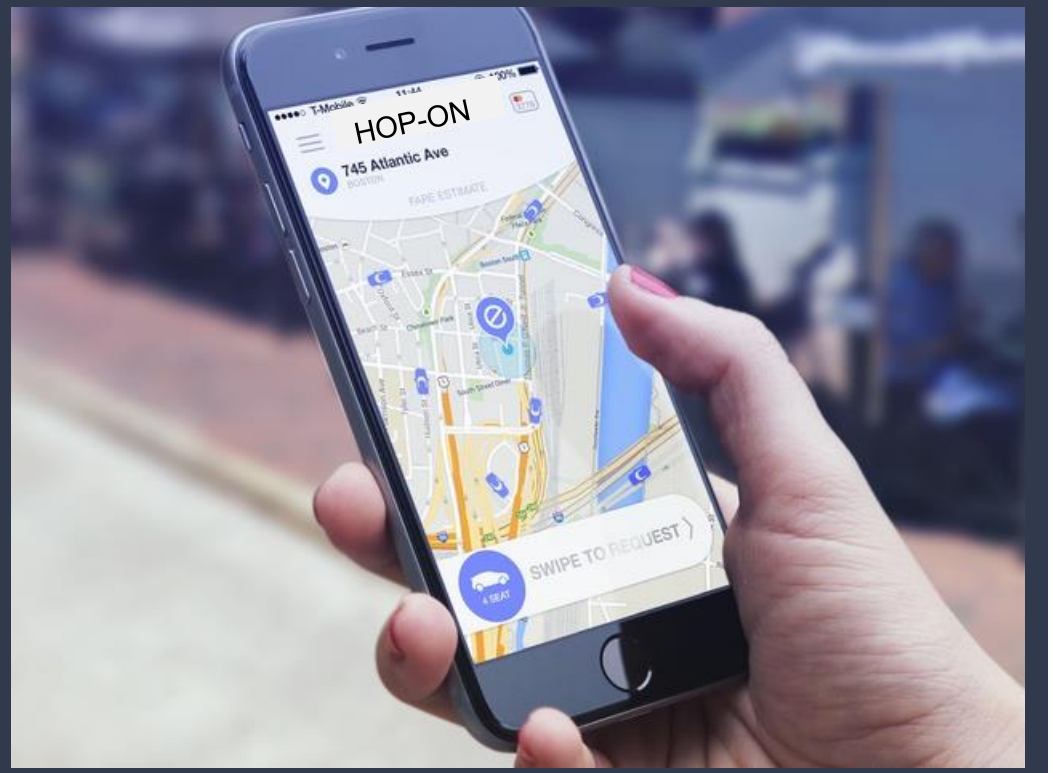
WHAT DO WE DO?



- Real time ridesharing service
- Allows riders to find rides instantly
- Convenient, Affordable and Safe Cab facility
- Helps passengers to connect with the nearby driver partners
- Matches you with riders travelling in the same direction

WHY HOP-ON?

Drivers earn by filling up empty seats

Reduction of traffic & road accidents

Passengers save on travel costs

Less consumption of fuel

Reduction of Carbon footprint

Roles

Driver

Passenger

Application Administrator

Driver Support Executive

Passenger Support Executive

Use Cases

- Register/Login to the application
- Request a ride
- Cancel the booked ride
- View ride history
- Rate and tip the Driver
- Raise an incident

Passenger

- Raise an incident lodged by Passengers (accident, lost & found, unethical behavior, etc.)
- Look-up an incident using Passenger username or Ride ID, Incident ID
- Update the driver as 'blacklisted' based on passenger complaints
- Retrieve ride information in case of refund requests

Passenger Support Executive

- Register/Login to the application
- Accept a requested ride
- Cancel an accepted ride
- Switch to ‘Non-accepting mode’
- Rate Passenger and view the cost of the ride
- Check his daily earnings
- Raise an incident

Driver

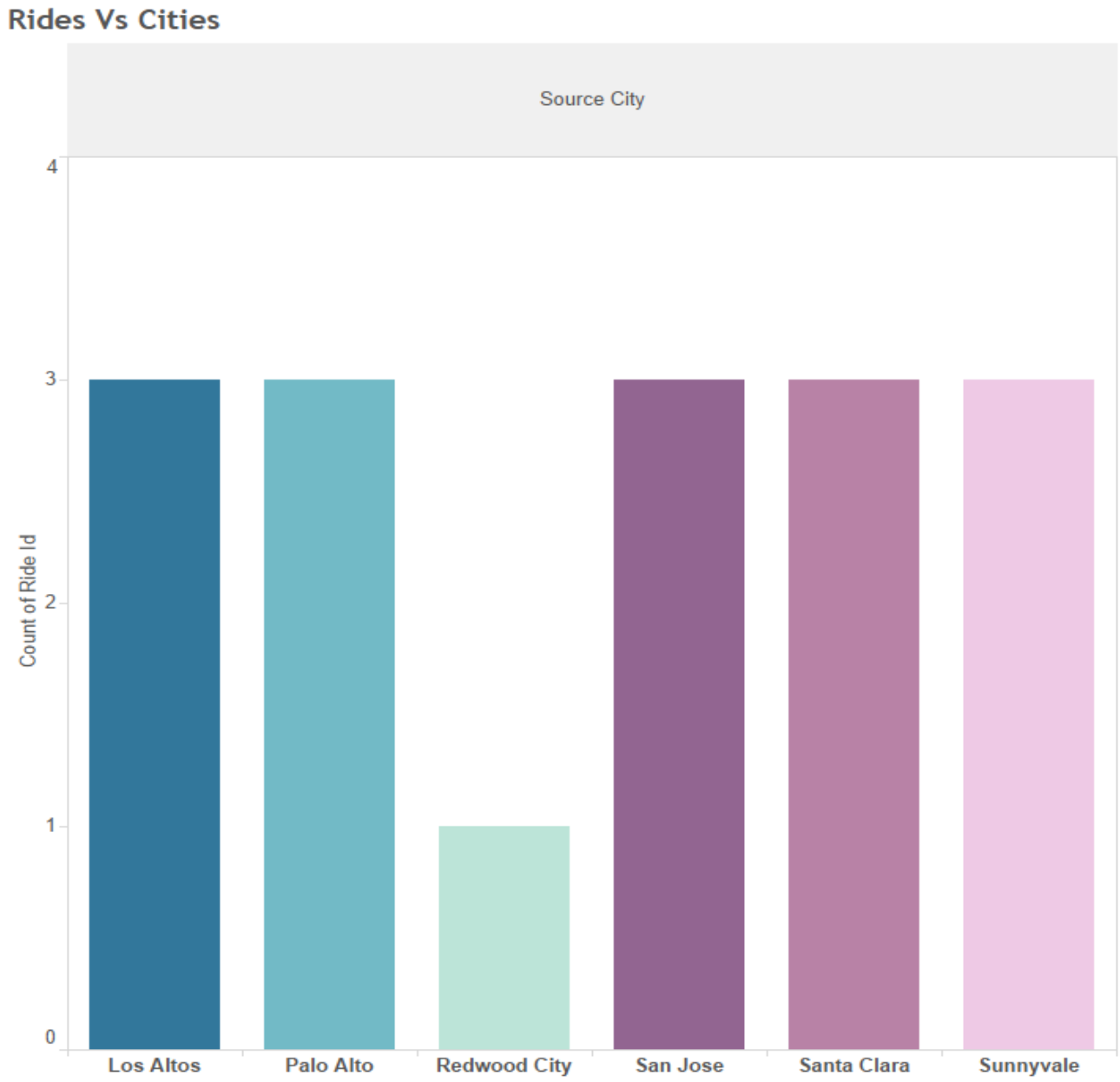
Raise an incident lodged by Driver

- Look-up an incident using Driver username or ID, Incident ID
- Update the passenger as ‘blacklisted’ based on driver complaints
- Retrieve the driver’s insurance information using Driver ID
- Retrieve the driver’s vehicle information using Driver ID

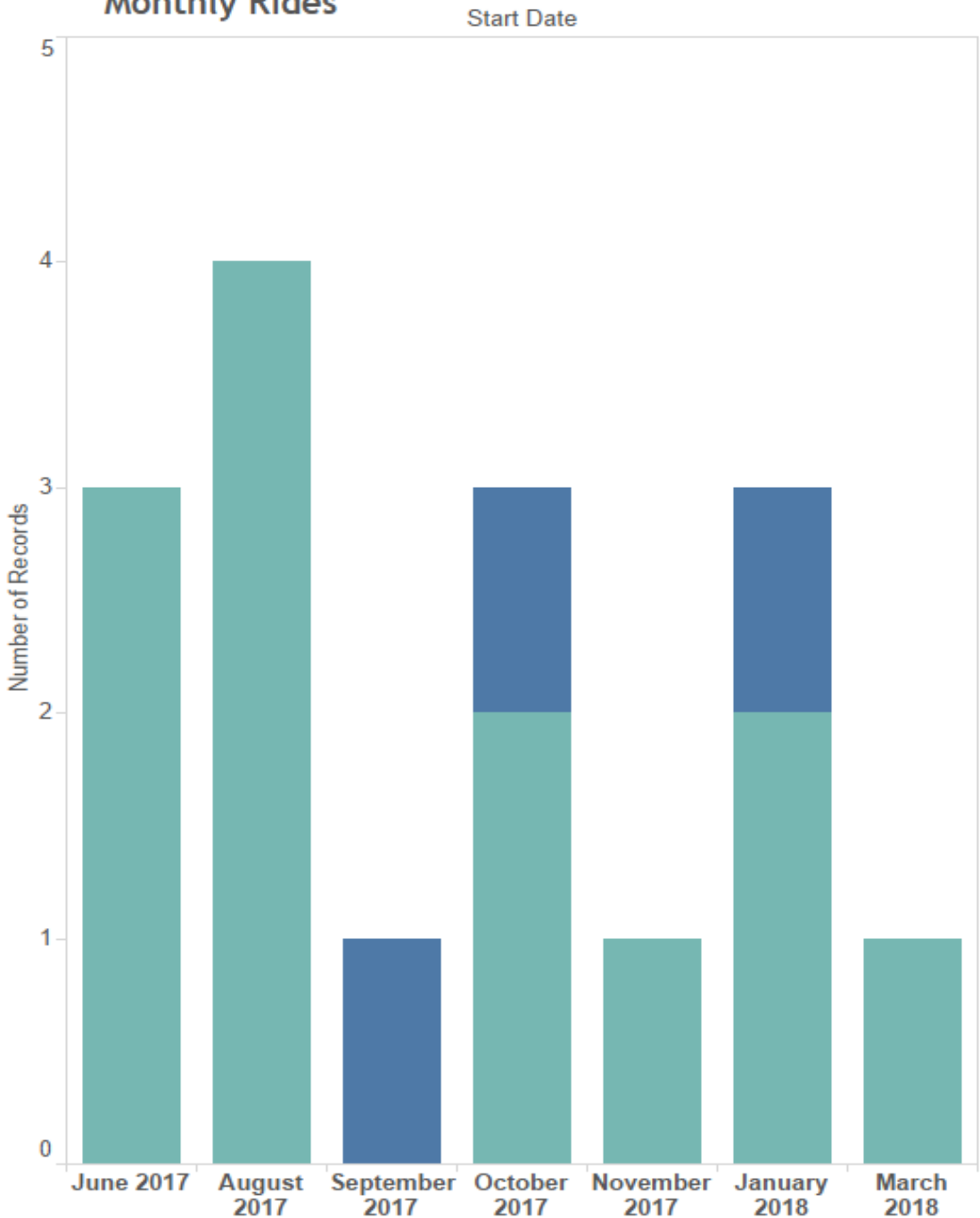
Driver Support Executive

Business Metrics

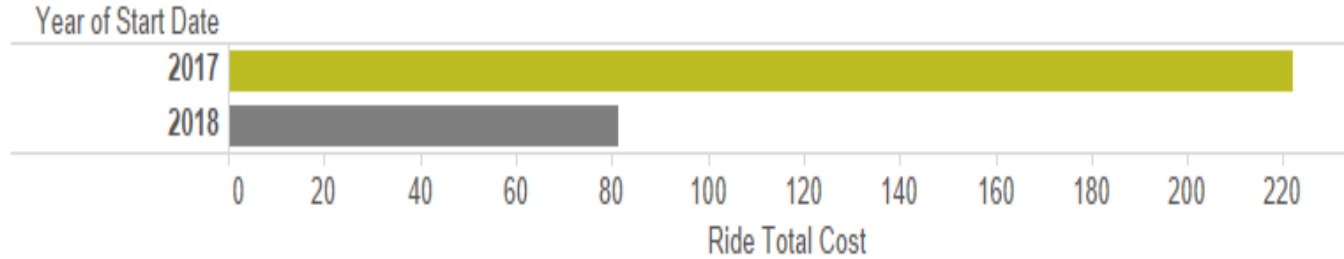
- Analyze high demand areas/ cities
- Find high demand on ride type
- Find the total number of rides completed monthly
- Analyze overall revenue growth yearly



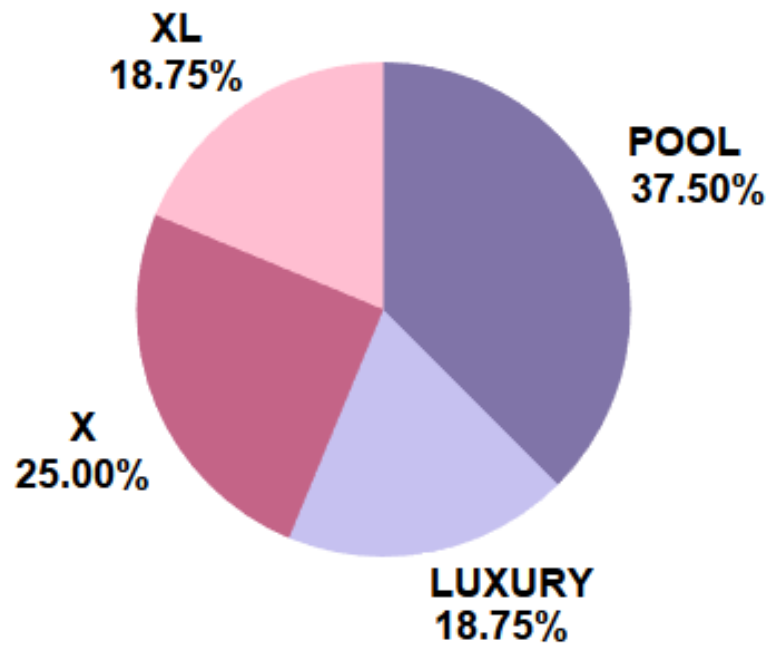
Monthly Rides



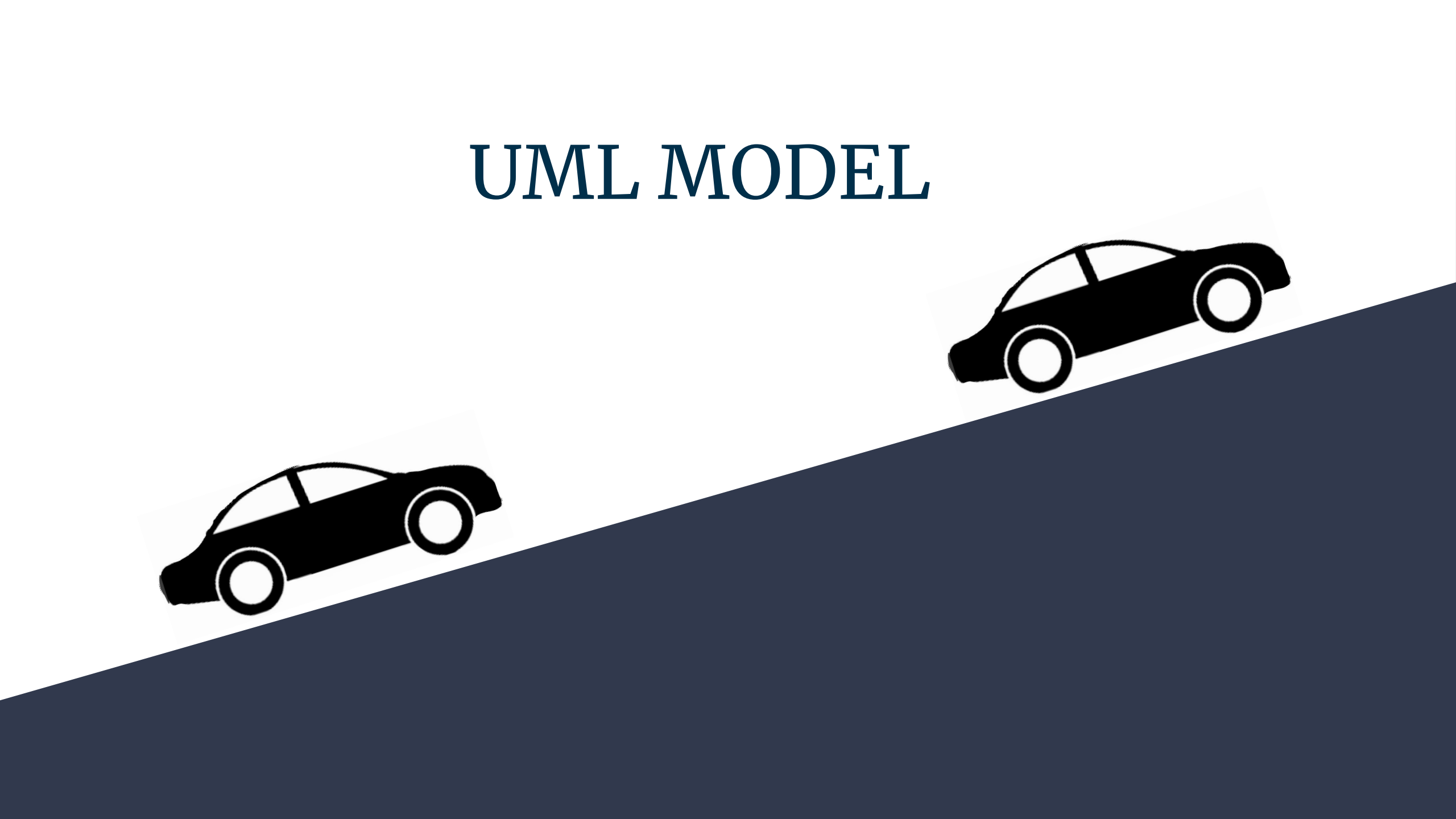
Overall Revenue

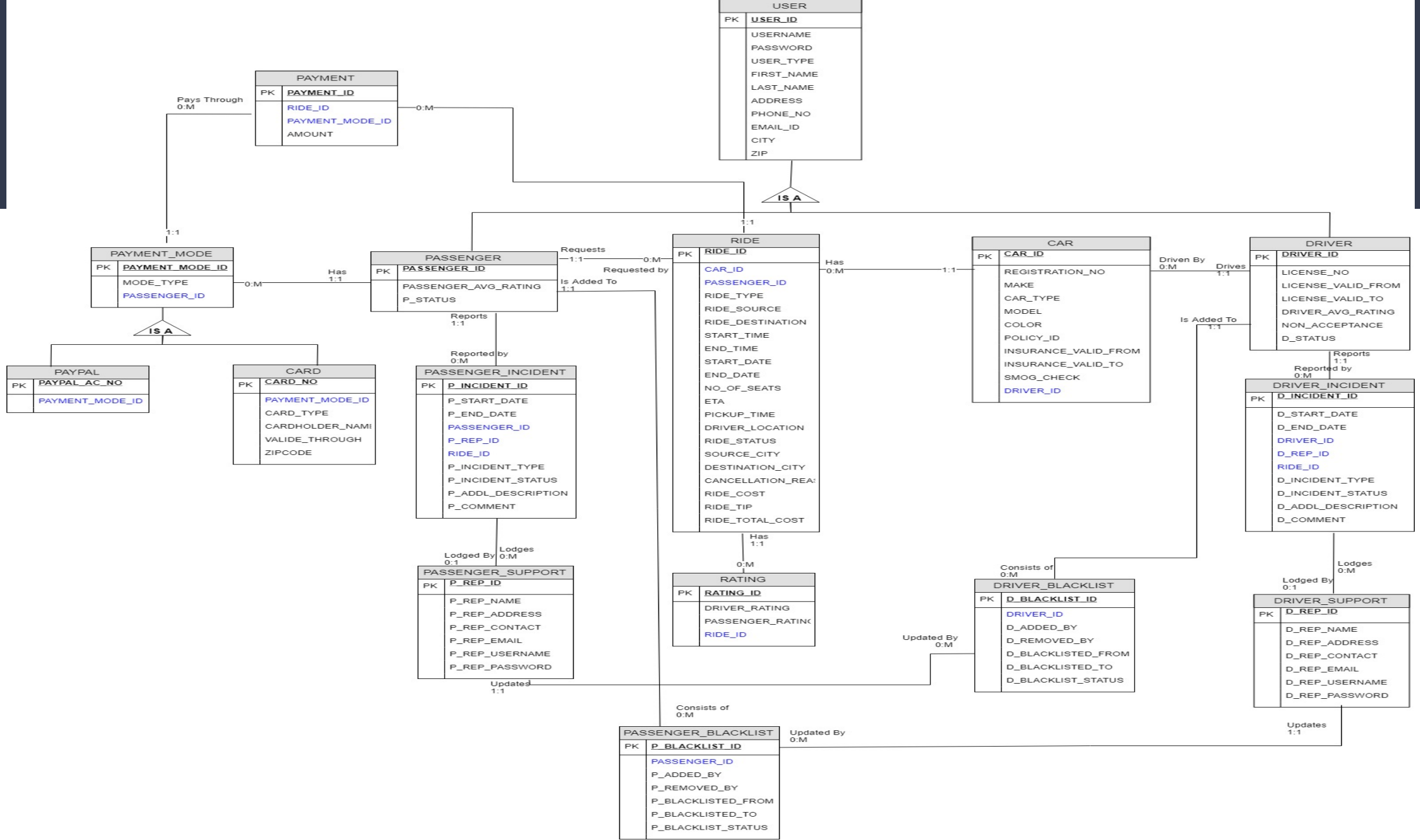


Ride Type Demand



UML MODEL

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PASSWORD
USER_TYPE
FIRST_NAME
LAST_NAME
ADDRESS
PHONE_NO
EMAIL_ID
CITY
ZIP
IS A
PAYMENT
PK PAYMENT_ID
RIDE_ID
PAYMENT_MODE_ID
AMOUNT
Pays Through
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0:M
1:1
PAYMENT_MODE
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MODE_TYPE
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Has
1:1
PASSENGER
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PASSENGER_AVG_RATING
P_STATUS
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Reports
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Reported by
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PASSENGER_ID
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RIDE_SOURCE
RIDE_DESTINATION
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END_TIME
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END_DATE
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ETA
PICKUP_TIME
DRIVER_LOCATION
RIDE_STATUS
SOURCE_CITY
DESTINATION_CITY
CANCELLATION_REA
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RIDE_TIP
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P_COMMENT
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D_END_DATE
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PASSENGER_RATIN
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DRIVER_ID
D_ADDED_BY
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D_BLACKLISTED_TO
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PASSENGER_BLACKLIST
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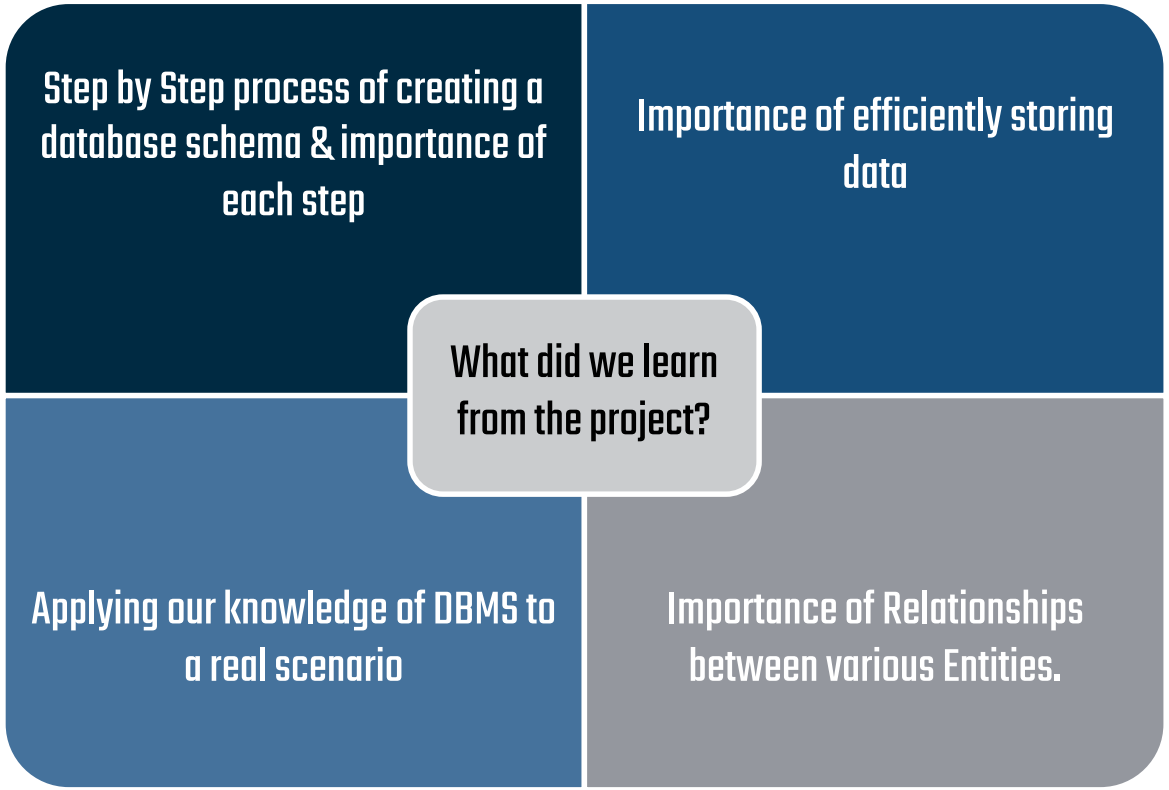
P_BLACKLISTED_TO
P_BLACKLIST_STATUS
Updated By
0:M
Updates
1:1

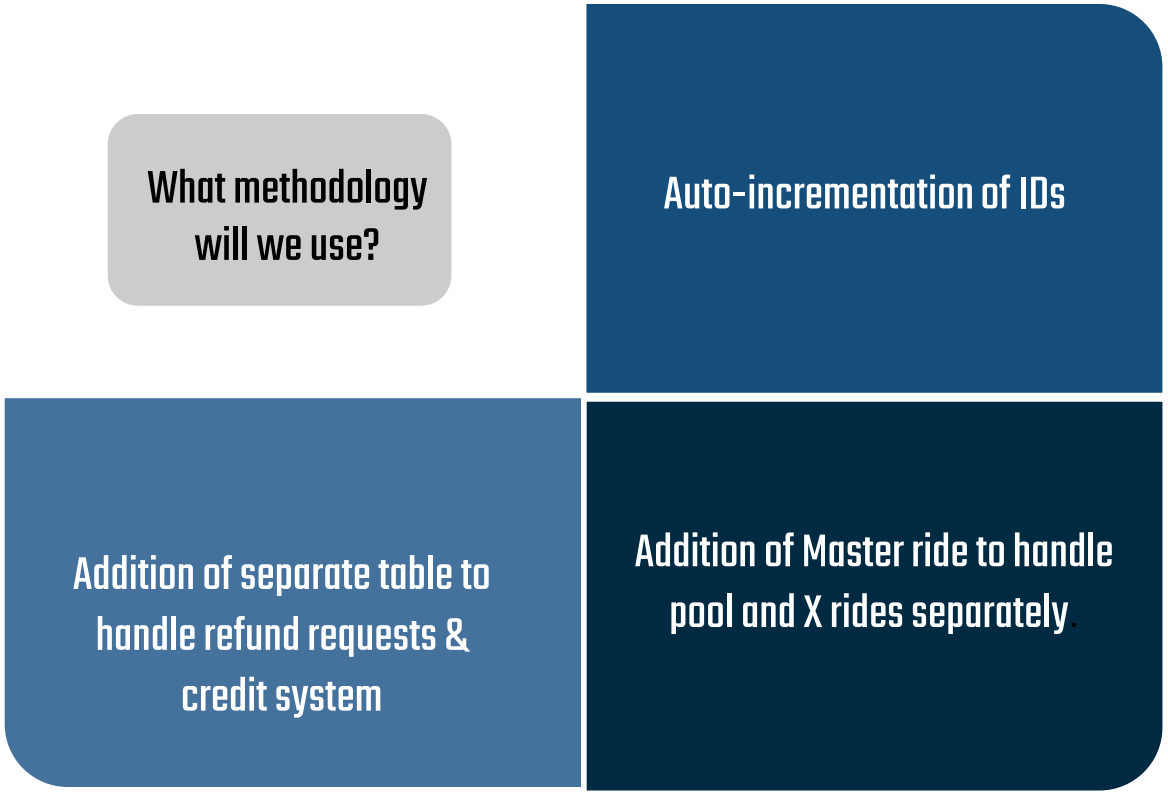
Project Summary

What problems did we encounter?	To decide the nullability constraints for given attributes.
How to handle refund scenarios across related tables in the database	To map the Ride to passenger and driver for a car pool scenario.

How did we solve these problems?	Brainstorming to understand where to apply non nullability constraints.
Created a transaction for refund type	Each passenger has a unique RIDE ID even in case of carpool

Project Summary





Questions?

Image source: https://www.google.com/imghp