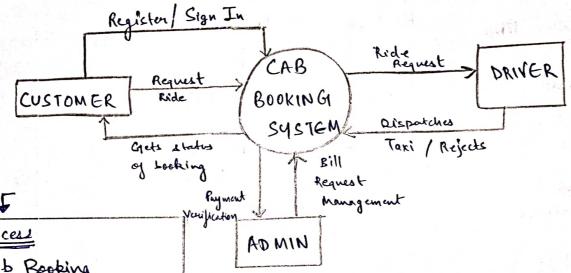
Data Flow Diagram (DFD) - of Cab Booking system.

Ayush Tandon 2K22 CO 133

· Covident Diagram Level O

* Entitles

Driver, Passenger | Booking, Payment, Bill Generation, Location

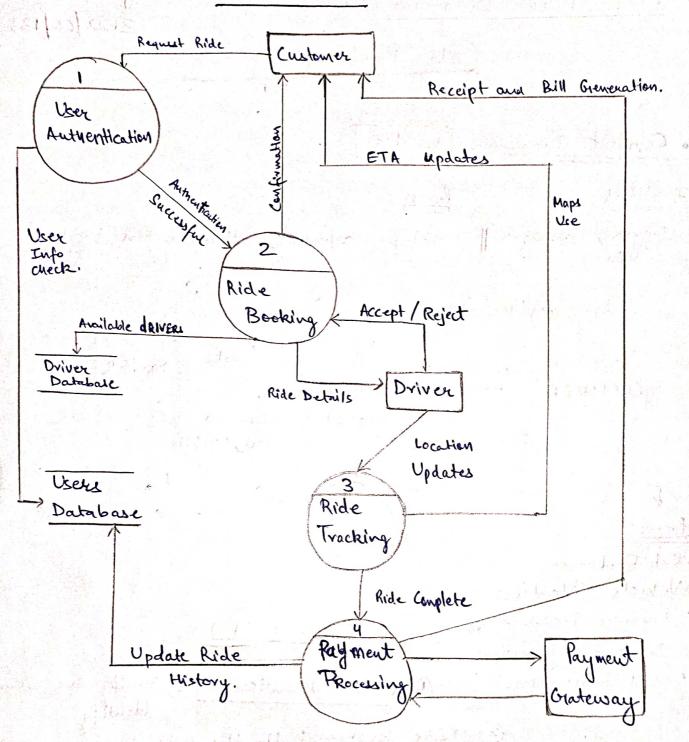


Pro cess

- · Cob Booking
- · Vehide Selection
- · Payment Processing
- · Driver Confirmation
- · bill Generation.

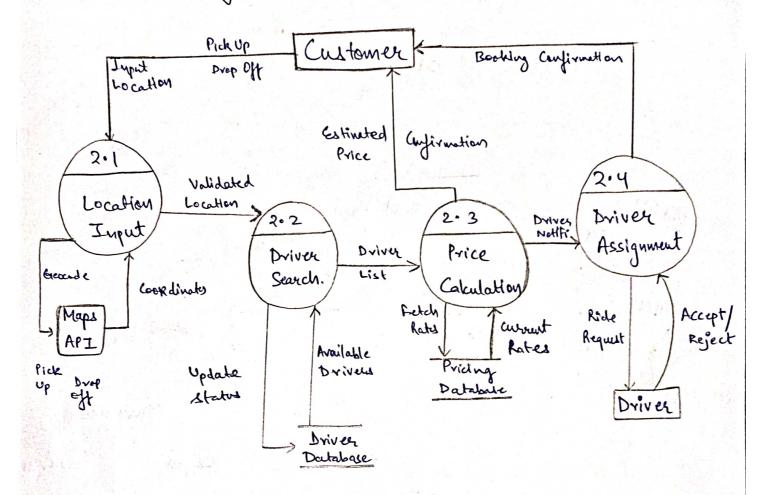
Level 1 DFD

- 1) User Authentication: Venify
- 2) Ride Booking: Handles suide requests and driver assignment.
- 3) Ride Tracking: Monitores side progress and provides updates
- @ Payment processing: Manages payment transaction ofter the suide



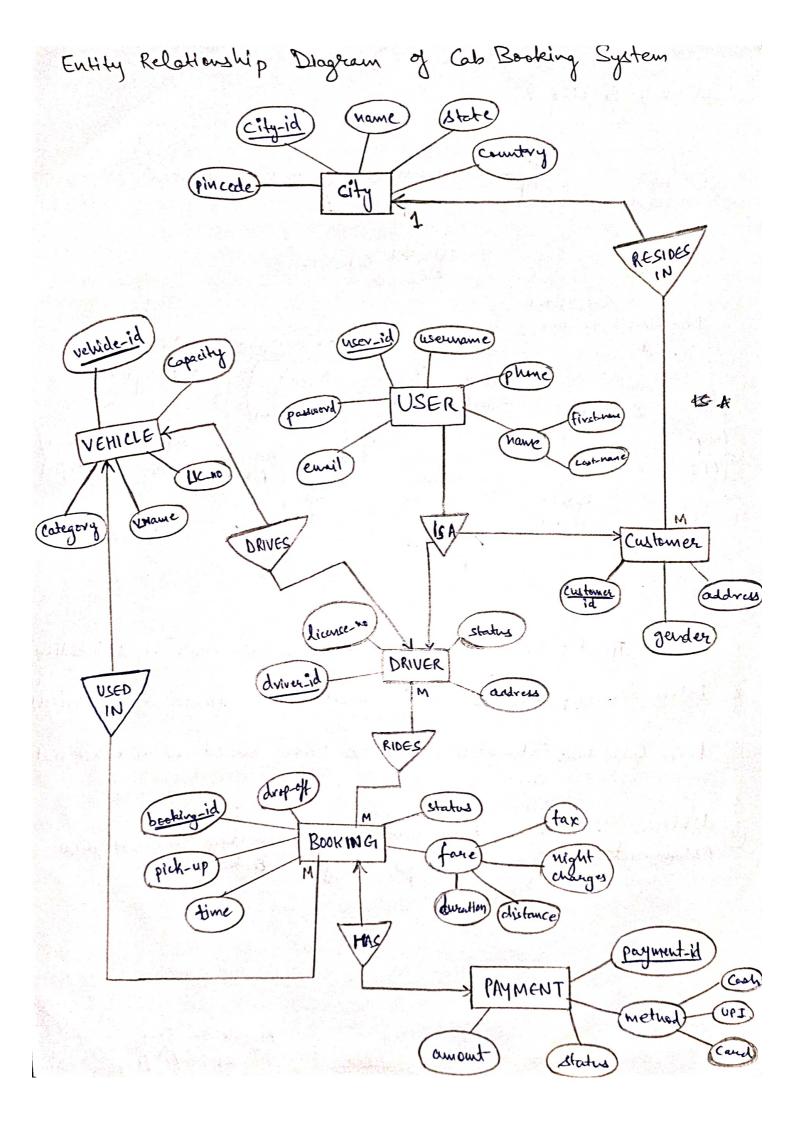
Level 2 DFD

for Ride Booking Process



- O Location Typut: Handles and validates the customer's input location
- @ Driver Learch: queries the database for avoidable nearly drivers
- 3) Price Calculation: Estimates the suide price based on distance and current rate
- 4 Driver : Driver Assignment means sending side requests to drivers and confirm booking.

Ayush Tandon 2K22/co/123



Data Dictionary for Cab Booking System

			7.2
Field Name	Description	Dota Type	Constraints
user-id	unique identifier for each user	Integer	Primary Key Auto increnent
Veenname	Mer name for account	varchan (50)	not mull unique
bossmand	encrypted password for user authentication	Varchaer (20)	Notnull
full Name	User's full name	Varchar (100)	Not null
Ciamo	User's email address	Varchar (100)	not null
Phone Number	User's contact number	Varchar (15)	Not hull
Driver ID	unique identifier for each driver	Integer	Primary Key
Driver Name	Driver Full Name	Varchar (100)	not null
Driving License	Driver's License Number	Varchar (20)	notnull, unique
Vehide ID	unique identificer for each vehic	Integer	
Vehicle Type	Type of vehicle	Vaerchar (50)	PK. Not null
License Plate	Vehicle l'aence plate no.	Vouchay (15)	not null unique
Booking ID	unique identifier for each booking	Integer	PK
Pickup Location	starting point of the side	Varchan (255)	not null
Drop off Location		Vonda ar (255)	not null
Booking Time	Time when booking was made	Date Time	Not mille
fare	cost of the rible	Decimal (10,2)	not nul
Payment ID	unique identifier for payment	Integer	PK
Payment Method	method used for payment	Enum (Cook, Cond	Not null
Payment Status	status of the payment	Enum (Pen, Duc, Tail)	Not null
City-ID	city in which booking is made	Integu (n)	PK

