

Ride-sharing company

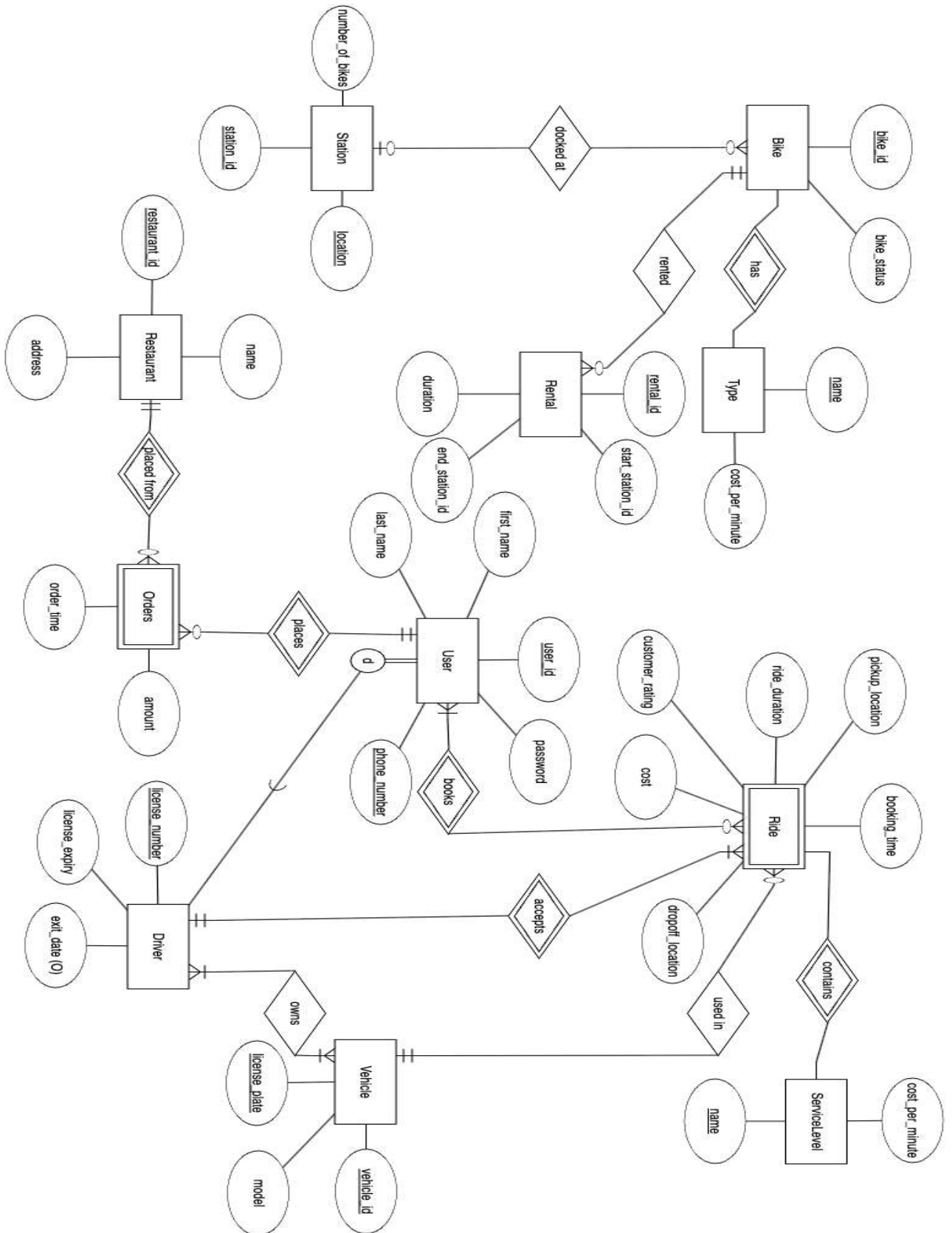
Answerable questions

Which driver handles the most rides?
What from/to zipcode(s) account for the most rides?
When is the busiest time?
When are the wait times the longest?
Which service level is chosen most often?
What are the ratings for a particular driver?
What is the churn rate for drivers?
How many different vehicles has a given driver used?
How many customers have not booked a second ride within 30 days?
What is the current number of bikes at a particular station?
What from/to station(s) account for the most bike rentals?
When is a given station likely to have no available bikes?

Requirements

1. The user must be able to have 2 accounts - one as driver and the other as rider making them disjoint
2. Number of bikes = bikes docked in that station

Entity-relationship diagram



Process notes

Step	Activity
Discover entities, relationships, and attributes	
1A	Identify entities, relationships, and attributes in interviews.
	<ul style="list-style-type: none"> • User entity stores user login details and personal information. • Driver entity stores driver's license information of all drivers registered with the platform. • Vehicle entity stores vehicle details like the model and license plate • Cab trip entity stores the trip details like ride time, booking time, ratings, service level, pickup and dropoff locations • Bike trip entity stores the details like start and end stations and ride time • Bike stations entity stores the station location, no. of bikes and total slots • Bikes entity stores status of the bikes and bike type
1B	Draw ER diagram
1C	List standard attribute types in glossary.
1D	Document names, synonyms, and descriptions in glossary.
Determine cardinality	
Step	Activity