ER & RS

Entity Relation Diagram and Relational Schema

1.Credentials:

1. Username (signup/login)
2. Password (authentication)
3. Mobile_Number
4. Rider:
    1. Mobile Number: (PID)
    2. Name: first and last
    3. email_id
    4. Age
    5. Country
    6. Status
    7. Sex
    8. Wallet_id
    9. Selected_BID_Value_ID: used for Approve: derived attribute
5. Request:
    1. Rider_ID;
    2. Request_ID
    3. Preferred Rating of driver
    4. Preferred Vehicle Type
    5. Pickup_Location
    6. Drop_Location
6. Driver:
    1. Driver_ID: Mobile Number
    2. Current Rating: defaults to 5
    3. Wallet_id;
    4. Trip_History
    5. Name: first and last: alphabetical
    6. Age: int
    7. Country: string
    8. current Rider: RIDER_ID
    9. status:Driving/not driving
    10. Vehicle_id
    11. current location
7. vehicle:
    1. type: capactiy
    2. vehicle_id: liscence number
    3. car name

8. Wallet:
    1. Owner_id
    2. amount
9. BID_VALUE_ID:
    1. Request_ID;
    2. price: to be given by the driver
    3. Rating of the driver
    4. Driver_ID
10. TRIP:
    1. Fare of the trip
    2. BID_VALUE_ID
    3. RIDER_ID
    4. Distance : distance between pickup and drop off location
11. BILLING:
    1. driver id
    2. rider id
    3. distance
    4. fare
    5. pickup location
    6. drop location

relationship:

1. Sorting: this would sort the bidvalues and the rating of the driver in a particular order asked by the rider.
2. relation between trips and rider and driver and this would help us find all the trips taken by a particular rider.
3. Authentication: take the input of username and password and then checks with the database and then uses mobile number as the differentiating factor to find out the id of the person)
4. Sends_request: this would be between rider and the request and this would store particulars such as
    1. Preferred Rating of driver
    2. Preferred Vehicle Type
    3. Pickup_Location
    4. Drop_Location
5. Approved: relation between rider and trip: this would store the BID_VID_ID and also RIDER_ID(PID)
6. Has a reation: this is between rider and wallet and driver and wallet.
7. Is_eligible: this is a relation between driver and bid_value: this would ensure that only the eleigible drivers have the choice of sending their offers and this is given only to those who are currently available for giving a id.
8. Rating is a relation between driver and billing and then upon completion of the trip the rider can rate the driver

9. Payment/Conformation: this would make sure that the driver is free after the trip and so is the rider and then their locations are also changed