

4)

Bill {

Reservation ;

total Bill amount ;

boolean isbillpaid ;

double Compute Bill() { } ;

}

5)

Payment {

int Payment Id ;

int amountpaid ;

Date dateofpayment ;

boolean isRefundable ;

Payment mode

Payment status ;

void payBill (Bill bill) ;

}

6)

Enum payment mode { card, cash }

7)

Enum payment status { unpaid, pending, completed, Refund }


```

8) Reservation {
    int Id;
    User user;
    Vehicle vehicle;
    Date Booking date;
    Date Booking date from;
    Date Booking date to;
    Time from TimeStamp;
    Time to TimeStamp;
    Location pickup location;
    Location drop location;
    Reservation Type;
    Reservation Status;
}
    
```

// CRUD operation

```

create();
Read();
update();
delete();
    
```

}

Reservation Type { Hourly, Daily }
 Reservation Status { Scheduled, ~~Comp~~ Booked, cancelled
 { Pending, Confirm, cancelled }.

11)

```
Store {
```

```
    int storeId;
```

```
    Vehicle Inventory Management;
```

```
    location storeLocation;
```

```
    List < Reservation > ;
```

```
List < vehicle > getVehicle (vehicleType);
```

```
void setVehicle (List < vehicle > );
```

```
Reservation CreateReservation ();
```

```
boolean CompleteReservation (int ReservationId);
```

```
boolean updateReservation (int ReservationId);
```

}

12)

```
User {
```

```
    int userId;
```

```
    string name;
```

```
    string licenseNumber;
```

}

13)

```
Vehicle Inventory Management {
```

```
    List < vehicle > vehicles
```

}

2) Vehicle Rental System {

List < store > storelist;

List < User > userlist;

add User () ;

Remove User () ;

add store () ;

remove store () ;

getstore ()

}

Data Flow -

- 1) Add user & store.
- 2) User search the location.
get All store of that location.
- 3) get All vehicle of the particular store
- 4) create Reservation at store;
- 5) Generate Bill
- 6) Make payment
- 7) Complete Reservation at store.