

DBMS

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User Specifications:

User Roles and Access Control:

Define user roles such as administrators, law enforcement officers, and citizens.

Administrators have full access to all functionalities.

Law enforcement officers can add violation details and view related information.

Citizens can view their own violation and payment details.

RTO_Vehicle details:

Law enforcement officers can add new vehicle details when issuing a violation.

Administrators can update and manage vehicle records.

Citizens can view their own vehicle details.

Violation details:

Law enforcement officers can record violation details, including date, time, type, location, and description.

Administrators can access and edit violation records.

Citizens can view their own violation history.

Individual details:

Law enforcement officers can access and edit individual records for both vehicle owners and violators.

Administrators can manage individual records.

Citizens can view and update their personal information.

Payment details:

Citizens can make fine payments online through various payment methods.

Administrators can view payment records and mark payments as received.

Law enforcement officers can check payment status when handling violations.

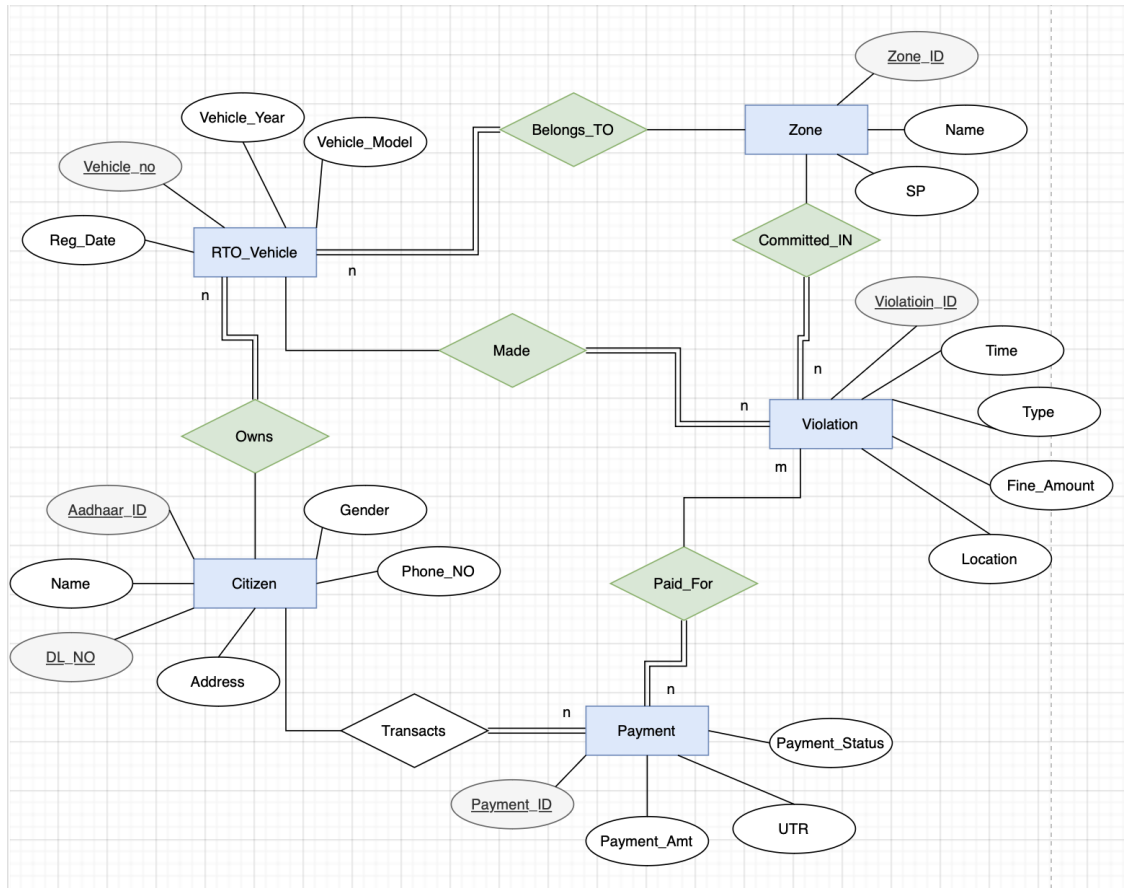
Zonal details:

Administrators can manage zonal details, including adding and editing zone information.

Zonal managers can oversee specific zones and access related data.

Law enforcement officers can associate violations with the corresponding zones.

ER DIAGRAM:



RELATIONAL SCHEMA:

RTO_Vehicle

(Reg-at, Vehi-no, Vehi-year, Vehi-model, Owner-Id, Zone-Id)

Violation

(Viol-Id, Time, type, amount, location, zone-id, vehicle-id)

Payment

(Paymt-Id, amount, VTR, status, aadhar-id)

Paid-for

(Payment-id, Violation-id)

Citizen

(Aadhar-id, name, D-no, address, gender, phno)

Zone

(Zone-id, Zone-name, Zonal-officer)

