



This ER (Entity Relationship) Diagram represents the model of RTO Registration System Entity. The entity-relationship diagram of RTO Registration System shows all the visual instrument of database tables and the relations between Registration, Payment, Vehicle, Customer etc. It used structure data and to define the relationships between structured data groups of RTO Registration System functionalities. The main entities of the RTO Registration System are Vehicle, Registration, Driving License, Payment, Insurance and Customer.

RTO Registration System entities and their attributes :

- Vehicle Entity : Attributes of Vehicle are vehicle\_id, vehicle\_customer\_id, vehicle\_number, vehicle\_type, vehicle\_description
- Registration Entity : Attributes of Registration are registration\_id, registration\_vehicle\_id, registration\_customer\_id, registration\_name, registration\_type, registration\_number, registration\_date, registration\_description
- Driving License Entity : Attributes of Driving License are license\_id, license\_name, license\_type, license\_description
- Payment Entity : Attributes of Payment are payment\_id, payment\_customer\_id, payment\_date, payment\_amount, payment\_description
- Insurance Entity : Attributes of Insurance are insurance\_id, insurance\_plan\_id, insurance\_number, insurance\_issue\_date, insurance\_premium, insurance\_amount, insurance\_type, insurance\_description
- Customer Entity : Attributes of Customer are customer\_id, customer\_name, customer\_mobile, customer\_email, customer\_username, customer\_password, customer\_address

Description of RTO Registration System Database :

- The details of Vehicle is store into the Vehicle tables respective with all tables
- Each entity ( Customer, Driving License, Insurance, Registration, Vehicle) contains primary key and unique keys.
- The entity Driving License, Insurance has binded with Vehicle, Registration entities with foreign key
- There is one-to-one and one-to-many relationships available between Insurance, Payment, Customer, Vehicl
- All the entities Vehicle, Insurance, Driving License, Customer are normalized and reduce duplicacy of records
- We have implemented indexing on each tables of RTO Registration System tables for fast query execution.