**Database Design**

**Table: Specs**

| vehicleid | Integer | No | Primary key, Foreign key | Null | Vehicle ID |
| --- | --- | --- | --- | --- | --- |
| engcap | Varchar(15) | No |  | Null | Engine Capacity |
| mileage | Varchar(15) | No |  | Null | Kilometre per Litre |
| fuelcap | Varchar(15) | No |  | Null | Fuel Tank Capacity |
| emissionstd | Varchar(15) | No |  | Null | Emission Std. (BS6) |
| brakesys | Varchar(20) | No |  | Null | Brake Type Installed |
| torque | Varchar(20) | No |  | Null | Twisting Force |
| fbraketype | Varchar(15) | No |  | Null | Front Brake Type |
| rbraketype | Varchar(15) | No |  | Null | Rear Brake Type |
| cylinder | Integer | No |  | Null | No. of Cylinders |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| killswitch | Boolean | No |  | Null | Kill Switch (Yes/No) |
| power | Varchar(15) | No |  | Null | Power (BHP) |
| warranty | Integer | No |  | Null | Manufacture Warranty |
| kerbweight | Varchar(15) | No |  | Null | Total Weight |
| seatheight | Varchar(15) | No |  | Null | Seat Height |
| about | Varchar(255) | No |  | Null | Summary |

**Table: Vehicles**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| vehicleid | Integer | No | Primary key | Null | Vehicle ID |
| modelname | Varchar(15) | No |  | Null | Model Name |
| companyid | Integer | No | Foreign key | Null | Company Name (References company) |
| xswprice | Double | No |  | Null | Ex-Showroom Price |
| catid | Integer | No | Foreign key | Null | Type of Vehicle (References category) |

**Table: VehicleColor**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| colorid | Integer | No | Composite key, Foreign key | Null | (References color) |
| vehicleid | Integer | No | Composite key, Foreign key | Null | (References vehicles) |
| bikeimg | Varchar(15) | No |  | Null | Bike Images |

**Table: Color**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| colorid | Integer | No | Primary key | Null | Color ID |
| colorname | Varchar(15) | No |  | Null | Color Name |

**Table: Category**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| catid | Integer | No | Primary key | Null | Category ID |
| catname | Varchar(15) | No |  | Null | Category Name |

**Table: City**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| cityid | Integer | No | Primary key | Null | City ID |
| cityname | Varchar(15) | No |  | Null | City Name |
| tax | Float | No |  | Null | RTO Tax |

**Table: Company**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| companyid | Integer | No | Primary key | Null | Company ID |
| companyname | Varchar(15) | No |  | Null | Company Name |

**Table: Customer**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| uid | Integer | No | Primary key | Null | Customer ID |
| loginid | Integer | No | Foreign key | Null | (References login) |
| fname | Varchar(15) | No |  | Null | First Name |
| lname | Varchar(15) | No |  | Null | Last Name |
| email | Varchar(20) | No |  | Null | Email ID |
| dob | Date | No |  | Null | Date of Birth |
| paddress | Varchar(45) | No |  | Null | Permanent Address |
| contact | Varchar(15) | No |  | Null | Contact Number |

**Table: Showroom**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| swid | Integer | No | Primary key | Null | Showroom ID |
| loginid | Integer | No | Foreign key | Null | (References login) |
| swname | Varchar(15) | No |  | Null | Showroom Name |
| contact | Varchar(15) | No |  | Null | Contact Number |
| email | Varchar(20) | No |  | Null | Service Email ID |
| landmark | Varchar(15) | No |  | Null | Landmark |
| cityid | Integer | No | Foreign key | Null | (References city) |
| pincode | Integer | No |  | Null | Pin code |

**Table: Login**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| loginid | Integer | No | Primary key | Null | Login ID |
| userid | Varchar(20) | No |  | Null | Username |
| pwd | Varchar(15) | No |  | Null | Password |
| securityque | Varchar(45) | No |  | Null | Security Question |
| ans | Varchar(20) | No |  | Null | Answer |
| hint | Varchar(15) | No |  | Null | Hint |
| role | Varchar(15) | No |  | User | Functional Roles |
| accstate | Integer | No |  | 1 | Account Status |

**Table: Payment**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| trid | Integer | No | Primary key | Null | Transaction ID |
| amt | Double | No |  | Null | Amount |
| paymode | Varchar(15) | No |  | Online | Mode of Payment |
| bookingid | Integer | No | Foreign key | Null | (References bookings) |

**Table: Bookings**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| bookingid | Integer | No | Primary key | Null | Booking ID |
| uid | Integer | No | Foreign key | Null | (References customer) |
| vehicleid | Integer | No | Foreign key | Null | (References vehicles) |
| swid | Integer | No | Foreign key | Null | (References showroom) |
| dbook | Date | No |  | Null | Date of Booking |
| trid | Integer | No | Foreign key | Null | (References payment) |
| status | Varchar(15) | No |  | Null | Booking Status |

**Table: CancelBooking**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- | --- |
| reqid | Integer | No | Primary key | Null | Request ID |
| refundamt | Double | No |  | Null | Refund Amount |
| paymode | Varchar(15) | No |  | Online | Mode of Payment |
| bookingid | Integer | No | Foreign key | Null | (References bookings) |
| reqdate | Date | No |  | Null | Cancel Request Date |
| reason | Varchar(45) | No |  | Null | Reason for Cancellation |