**DATABASE DESIGN**

Database name:traffic

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table name :camera\_details** | | | |  | | Primary key:camera\_id | | | | |
| **Description :details of camera** | | |  | | |  |  |  | | |
| Sl.NO: | FIELD NAME | DATA TYPE | | | CONSTRAINTS | | | | SIZE | DESCRIPTION |
| 1 | Camera\_id | Autoincrement | | | Primary key | | | | 10 | Id of camera |
| 2 | Camera\_Location | Varchar | | |  | | | | 15 | Location of camera |
| 3 | Camera\_Lattitude | Varchar | | |  | | | | 5 | Latitude of camera |
| 4 | Camera\_Longitude | Varchar | | |  | | | | 5 | Longitude of camera |
| 5 | Camera\_name | Varchar | | |  | | | | 20 | Name of camera |
| 6 | Address | Varchar | | |  | | | | 20 | Address of camera |
| 7 | Description | Varchar | | |  | | | | 20 | Description of camera |
| 8 | Status | Boolean | | |  | | | |  | Status of camera |

Table number :5.2.1

Table number:5.2.2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table name : vehicle\_details** | | |  | Primary key:vehicle\_id | | | |
| **Description :details of vehicle** | | |  |  | | | |
| Sl.NO: | FIELD NAME | DATA TYPE | | | CONSTRAINTS | SIZE | DESCRIPTION |
| 1 | Vehicle\_id | Integer | | | Primary key | 15 | Id of vehicle |
| 2 | Vehicle No | Varchar | | |  | 7 | Name of vehicle |
| 3 | Model | Varchar | | |  | 10 | Model of vehicle |
| 4 | Chassis number | Varchar | | |  | 18 | Chassis number |
| 5 | Manufacturing year | Varchar | | |  | 4 | Year |
| 6 | Type | Varchar | | |  | 15 | Type |
| 7 | Owner\_id | Integer(Foreign key\_) | | | foreign key | 15 | Id of owner |

Table number :5.2.3

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table name :vehiclelog\_details** | | | Primary key :log\_id | | | |
| **Description :details of vehiclelog** | | |  | | | |
| Sl.NO | FIELD NAME | DATA TYPE | | CONSTRAINTS | SIZE | DESCRIPTION |
| 1 | Log\_id | Integer | | Primary key | 15 | Vehicle log id |
| 2 | Date | Date | |  |  | Vehicle passing Date |
| 3 | Time | Timestamp | |  |  | Vehicle passing time |
| 4 | Vehicle\_id | Integer | | Foreign key | 15 | Id of vehicle |
| 5 | Camera\_id | Integer | | Foreign key | 15 | Id of camera |

Table number :5.2.4

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table name : Officer\_details** | | Primary key :Officerlog\_id | | | | |
| **Description :details of officer** | |  | | | | |
| Sl.NO: | FIELD NAME | | DATA TYPE | CONSTRAINTS | SIZE | DESCRIPTION |
| 1 | Officerlog\_id | | Integer | Primary key | 15 | details id |
| 2 | Name | | Varchar |  | 20 | name of officer |
| 3 | Department | | Varchar |  | 15 | Department of officer |
| 4 | Phone number | | Integer |  | 12 | Phone number of officer |
| 5 | User name | | Varchar |  | 15 | User name of officer |
| 6 | password | | Varchar |  | 10 | Password of officer |
| 5 | Officer\_id | | Integer | Foreign key | 15 | Id of officer |

Table number :5.2.5

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table name :picturelog\_details** | | | Primary key:pic\_log\_id | | | |
| **Description :details of picturelog** | | |  | | | |
| Sl.NO: | FIELD NAME | DATA TYPE | | CONSTRAINTS | SIZE | DESCRIPTION |
| 1 | Pic\_log\_id | Integer | | Primary key | 15 | Picture log id |
| 2 | Log\_id | Integer | | Foreign key | 15 | Log id |
| 3 | Date | Date | |  |  | Date |
| 4 | Time | Boolean | |  |  | Time |

Table number :5.2.6

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table name :owner\_details** | | | Primary key :owner\_id | | | |
| **Description :details of camera** | | |  | | | |
| Sl.NO: | FIELD NAME | DATA TYPE | | CONSTRAINTS | SIZE | DESCRIPTION |
| 1 | Owner\_id | Integer | | Primary key | 15 | Id of Owner |
| 2 | Name | Varchar | |  | 20 | Name of owner |
| 3 | Email\_id | Varchar | |  | 20 | Email id |
| 4 | License number | Varchar | |  | 7 | License |
| 5 | Address | Varchar | |  | 20 | Owners address |
| 6 | City | Varchar | |  | 10 | City of owner |
| 7 | Nationality | Varchar | |  | 10 | Nationality of owner |
| 8 | Phone number | Integer | |  | 12 | Phone number |

Table number :5.2.7

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table name:admin\_details**  **Description :details of admin** | | | Primary key:logid | | | |
| Sl.NO: | FIELD NAME | DATATYPE | | CONSTRAINTS | SIZE | DESCRIPTION |
| 1 | Log\_id | Integer | | Primary key | 15 | Log id |
| 2 | Username | Varchar | |  | 20 | Username of admin |
| 3 | Password | Varchar | |  | 10 | Password |

Table number :5.2.8

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table name :officer\_login\_details** | | | | Primary key :officer\_id | | |
| **Description :login details of officer** | | | |  | | |
| Sl.NO: | FIELD NAME | DATA TYPE | CONSTRAINTS | | SIZE | DESCRIPTION |
| 1 | officer\_id | Integer | Primary key | | 15 | officer id |
| 2 | Username | Varchar |  | | 20 | Username of officer |
| 3 | Password | Varchar |  | | 10 | Password |