**Admin Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NO.** | **Column Name** | **Datatype** | **Size** | **Constraints** | **Desc** |
| 1. | Admin Id | Int | 20 | Primary key | Autoinc |
| 2. | First Name | Varchar | 50 |  |  |
| 3. | Last Name | Varchar | 20 |  |  |
| 4. | Email | Varchar | 20 |  |  |
| 5. | Phone | Decimal |  |  |  |
| 6. | Photo | Varchar | Max |  |  |
| 7. | Regdate | Datetime | 20 |  |  |
| 8. | User name | Varchar | 20 |  |  |
| 9. | Password | Varchar | 20 |  |  |

**Create table Admin(**

**Adminid int primary key AUTO\_INCREMENT,**

**FirstName varchar(50),**

**LastName varchar(50),**

**Email varchar(20),**

**PhoneNo decimal(10,0),**

**Photo varchar,**

**Regdate datetime,**

**Username varchar(20),**

**Password varchar(20)**

**);**

**Technician Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column Name | Date Type | Size | Constraints | DESC |
|  | Technician id | Int |  | Primary Key | Auto\_Inc |
|  | First Name | Varchar | 50 |  |  |
|  | Last Name | Varchar | 50 |  |  |
|  | Address | Varchar | 200 |  |  |
|  | Pincode | Int |  |  |  |
|  | Email | Varchar | 50 |  |  |
|  | Phone | Int |  |  |  |
|  | Photo | Varchar | Max |  |  |
|  | DOJ | Datetime |  |  |  |
|  | Username | Varchar | 50 |  |  |
|  | Password | Varchar | 50 |  |  |

Create table Technician(

TechnicianId int primary key AUTO\_INCREMENT,

FirstName varchar(50),

LastName varchar(50),

Address varchar(200),

Pincode int,

Email varchar(50),

Phone decimal(10,0),

Photo varchar(MAX),

DOJ datetime,

Username varchar(50),

Password varchar(50) );

User Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column Name | Datatype | Size | Constraints | Desc |
|  | CustomerId | Int |  | Primary Key | Auto\_Inc |
|  | First Name | Varchar | 50 |  |  |
|  | Last Name | Varchar | 50 |  |  |
|  | Address | Varchar | 200 |  |  |
|  | Pincode | Int |  |  |  |
|  | Email | Varchar | 50 |  |  |
|  | Birthdate | Datetime |  |  |  |
|  | Gender | Varchar | 20 |  |  |
|  | Phone | Int |  |  |  |
|  | Photo | Varchar | 32756 |  |  |
|  | Username | Varchar | 50 |  |  |
|  | Password | Varchar | 50 |  |  |

Create table Customer(

CustomerId int primary key AUTO\_INCREMENT,

FirstName varchar(50),

LastName varchar(50),

Address varchar(200),

Pincode int,

Email varchar(50),

Birthdate datetime,

Gender varchar(5),

Phone decimal(10,0),

Photo varchar(32756),

Username varchar(50),

Password varchar(50), );

Brand Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column Name | Datatype | Size | Constraints | DESC |
|  | Brand Id | Int |  | Primary Key | Auto\_ Inc |
|  | Brand Name | Varchar | 20 |  |  |
|  | Brand Logo | Varchar | 32756 |  |  |
|  | DOJ | Datetime |  |  |  |

Create table Brand(

BrandId int primary key AUTO\_INCREMENT,

BrandName varchar(20),

BrandLogo varchar(32756),

DOJ datetime

);

Category Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column Name | Datatype | Size | Constraints | Desc |
| 1. | CategoryId | Int |  | Primary key | autoInc |
| 2. | Categoryname | Varchar | 50 |  |  |

Create table Category(

CategoryId int primary key AUTO\_INCREMENT,

CategoryName varchar(50)

);

Product Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column Name | Datatype | Size | Constraints | DESC |
|  | Product Id | Int |  | Primary Key | Auto Inc |
|  | Product Name | Varchar | 50 |  |  |
|  | CategoryId | Int |  | Foreign Key |  |
|  | Brand Id | Int |  | Foreign Key |  |
|  | Brand Name | Varchar | 50 |  |  |
|  | Photo | Varchar | 32756 |  |  |
|  | DOJ | Datetime |  |  |  |
|  | Price | Int |  |  |  |

Create table Product(

ProductId int Primary key AUTO\_INCREMENT,

ProductName varchar(50),

BrandId int ,

BrandName varchar(50),

Photo varchar(32756),

DOJ datetime,

Price int,

 FOREIGN KEY (BrandId) REFERENCES Brand(BrandId)

);

Problem Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column Name | Datatype | Size | Constraints | DESC |
|  | ProblemId | Int |  | Primary key | Auto Inc |
|  | ProblemDesc | Varchar | Max |  |  |
|  | ProblemSol | Varchar | Max |  |  |
|  | TechnicianId | Int |  |  |  |
|  | CustomerId | Int |  |  |  |

Create Table Problem(

ProblemId int primary key AUTO\_INCREMENT,

ProblemDesc varchar(65000),

ProblemSol varchar(65000),

TechnicianId Int,

CustomerId Int,

ProbDate datetime,

Foreign Key(TechnicianId) Technician(TechnicianId)

Foreign Key(CustomerId) Customer(CustomerId)

);

Work Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column name | Datatype | Size | Constraints | Desc |
| 1. | Work Report Id | Int |  | Primary key | AUTO INC |
| 2. | Technician Id | Int |  | Foreign Key |  |
| 3. | Work Hours | Datetime |  |  |  |
| 4. | Date | Datetime |  |  |  |
| 5. | ProblemId | Int |  |  |  |
|  |  |  |  |  |  |

Create table workreport(

Workreportid int primary key AUTO\_INCREMENT,

TechnicianId int,

Workhours datetime,

Date datetime,

ProblemId int,

Foreign Key(ProblemId) references Problem(ProblemId)

Foreign Key(technicianid) references technician(technicianid)

);

Recorded Solution

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NO. | Column name | Datatype | Size | Constraints | Desc |
|  | SolutionId | Int |  | Primary key | Auto Inc |
|  | TechnicianId | Int |  | Foreign key |  |
|  | ProblemId | Int |  | Foreign Key |  |
|  | ProblemSol | Varchar | Max |  |  |

Create table Recordedsoloution(

SolutionId int primary key AUTO\_INCREMENT,

TechnicianId int,

ProblemId int,

ProblemSol varchar(50),

Foreign key(TechnicianId) references technician(TechnicianId),

Foreign key(ProblemId) references problem(ProblemId)

);

Order Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column Name | Datatype | Size | Constraints | Desc |
| 1. | Order Id | Int |  | Primary key | Auto\_inc |
| 2. | Customer Id | Int |  | Foreign key |  |
| 3. | Product Id | Int |  | Foreign key |  |
| 4. | Product Name | Varchar(50) |  |  |  |
| 5. | Delivery Address | Varchar(200) |  |  |  |
| 6. | Pincode | Int |  |  |  |
| 7. | OrderDate | Datetime |  |  |  |
| 8. | Total Amount | Int |  |  |  |

Create table order(

Ordered int primary key AUTO\_INCREMENT,

Customerid int,

Productid int,

Productname varchar(50),

Deliveryadd varchar(100),

Pincode int,

Orderdate datetime,

Totalamount int,

Foreign key(Customerid) references customer(CustomerId),

Foreign key(Productid) references product(ProductId)

);

Complaint Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column name | Datatype | Size | Constraint | Desc |
|  | Complaint id | **Int** |  | Primary key | autoInc |
|  | Customer id | **Int** |  | Foreign key |  |
|  | Complaint Description | **Varchar(100)** |  |  |  |

Create table complaint(

Complaintid int primary key AUTO\_INCREMENT,

Customerid int,

Complaintdesc varchar(100),

Foreign key(Customerid) references user(CustomerId)

);

Advice Table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Column Name | Datatype | Size | Constraint | Desc |
|  | Advice Id | Int |  | Primary key | Auto Inc |
|  | Technician id | Int |  | Foreign Key |  |
|  | Advice | Varchar | 100 |  |  |

Create table advice(

AdviceId int primary key AUTO\_INCREMENT,

Technicianid int,

Advice varchar(100),

Foreign Key(Technicianid) references technician(TechnicianId)

);

Request’s BillTable

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Column Name | Datatype | Size | Constraint | Desc |
|  | ProblemId | Int |  | Foreign Key |  |
|  | Technician Id | Int |  | Foreign Key |  |
|  | Customer Id | Int |  | Foreign Key |  |
|  | Amount | Int |  |  |  |

Create table request(

ProblemId int,

TechnicianId int,

CustomerId int,

Amount int,

Foreign Key(Technicianid) references technician(TechnicianId),

Foreign Key(Problem) references problem(ProblemId),

Foreign Key(CustomerId) references customer(CustomerId)

);

Contact Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Column Name | Datatype | Size | Constraint | Desc |
|  | ContactId | Int |  | Primary Key | Auto Incerement |
|  | Technician Id | Int |  | Foreign Key |  |
|  | Query | varchar |  | Foreign Key |  |

Create table t\_contact(

ContactId int Primary key AUTO\_INCREMENT;

TechnicianId int,

Query varchar(50);

Foreign Key(TechnicianId) References technician(TechnicianId);

);

Problem Status:

1 – accepted

2- Work In process

1. Work Completed

Message table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Column Name | Datatype | Size | Constraint | Desc |
|  | MessageId | Int |  | Primary Key | Auto Incerement |
|  | Technician Id | Int |  | Foreign Key |  |
|  | CustomerId | int |  | Foreign Key |  |
|  | CMessage | Varchar | 50 |  |  |
|  | TMessage | Varchar | 50 |  |  |

Create table message(

MessageId int primary key AUTO\_INCREMENT;

TechnicianId int;

CustomerId int;

CMessage varchar(50);

TMessage varchar(50);

Foreign Key(TechnicianId) References technician(TechnicianId);

Foreign Key(CustomerId) References customer(CustomerId);

);