

```
CREATE TABLE User (  
Email VARCHAR(255)  
Name VARCHAR(255)  
Password VARCHAR(255)  
Up/DownVotes int  
PRIMARY KEY (Email)  
)
```

```
CREATE TABLE Message (  
FromUser VARCHAR(255)  
ToUser VARCHAR(255)  
Date date  
Time time  
Content VARCHAR(255)  
FOREIGN KEY (FromUser) REFERENCES User(Email)  
)
```

```
CREATE TABLE Topic (  
Name VARCHAR(255)  
PRIMARY KEY (Name)  
)
```

```
CREATE TABLE Thread (  
Title VARCHAR(255)  
TopicName VARCHAR(255)  
Time time  
Date date  
Up/DownVotes int  
UserName VARCHAR(255)  
PRIMARY KEY (Title)  
FOREIGN KEY (TopicName) REFERENCES Topic(Name)  
)
```

```
CREATE TABLE Post (  
Title VARCHAR(255)  
ThreadName VARCHAR(255)  
Time time  
Date date  
Up/DownVotes int  
UserName VARCHAR(255)  
PRIMARY KEY (Title)  
FOREIGN KEY (ThreadName) REFERENCES Thread(Title)  
)
```

```
CREATE TABLE Admin (  
AdminId int  
UserEmail VARCHAR(255)  
PRIMARY KEY (AdminId)  
FOREIGN KEY (UserEmail) REFERENCES User(Email)
```

)

```
CREATE TABLE Moderator (  
  ModeratorId int  
  UserEmail VARCHAR(255)  
  PRIMARY KEY (ModeratorId)  
  FOREIGN KEY (UserEmail) REFERENCES User(Email)  
)
```

```
CREATE TABLE Sales (  
  SalesId int  
  UserEmail VARCHAR(255)  
  CompanyName VARCHAR(255)  
  PRIMARY KEY (SalesId)  
  FOREIGN KEY (CompanyName) REFERENCES Company(Name)  
  FOREIGN KEY (UserEmail) REFERENCES User(Email)  
)
```

```
CREATE TABLE Casual (  
  CasualId int  
  UserEmail VARCHAR(255)  
  PRIMARY KEY (CasualId)  
  FOREIGN KEY (UserEmail) REFERENCES User(Email)  
)
```

```
CREATE TABLE Doctor(  
  DoctorId int  
  DoctorVerification bit(1)  
  UserEmail VARCHAR(255)  
  PRIMARY KEY (DoctorId)  
  FOREIGN KEY (UserEmail) REFERENCES Email(Email)  
)
```

```
CREATE TABLE Customer (  
  CreditCardNumber int  
  Address VARCHAR(255)  
  PurchasePoints int  
  UserType VARCHAR(255)  
  UserId int  
  PRIMARY KEY (CreditCardNumber)  
)
```

```
CREATE TABLE Company (  
  Name VARCHAR(255)  
  Address VARCHAR(255)  
  PRIMARY KEY (Name)  
)
```

```
CREATE TABLE Products (  

```

Name VARCHAR(255)
Price float
PRIMARY KEY (Name)
)

CREATE TABLE Transaction (
OrderId int
Total float
Date date
Time time
CustomerCard int
ProductName VARCHAR(255)
PRIMARY KEY (OrderId)
FOREIGN KEY (CustomerCard) REFERENCES Customer(CreditCardNumber)
FOREIGN KEY (ProductName) REFERENCES Products(Name)
)

CREATE TABLE Advertisement (
AdvertisementId int
Approved bit(1)
Expiration date
Date date
ProductName VARCHAR(255)
PRIMARY KEY (AdvertisementId)
FOREIGN KEY (Productname) REFERENCES Products(Name)
)

CREATE TABLE Displays(
Keyword VARCHAR(255)
AdvertisementId int
UserEmail VARCHAR()
PRIMARY KEY (Keyword)
FOREIGN KEY (UserEmail) REFERENCES User(Email)
FOREIGN KEY (AdvertisementId) REFERENCES Advertisement(AdvertisementId)
)