Database design

Table name: Registration

Primary key: uid

Column	Type	Description	Constraint
Uid	Int(10)	User Id	Primary Key
fname	Varchar(15)	First name	Not null
lname	Varchar(15)	Last name	Not null
email	Varchar(30)	Email id of user	Not null
mobile	Int(10)	Contact number	Not null
hname	Varchar(40)	House number	Not null
City	Varchar(30)	City	Not null
district	Varchar(30)	District of user	Not null
State	Varchar(40)	State	Not null
Utype	Varchar(10)	User Type	Not null
Location	Varchar(30)	Location of user	Not null
Password	Password	Password of user	Not null

Table name: Benefactor

Column	Type	Description	Constraint
Bid	Int(10)	Benefactor ID	Primary key
Uid	Int(10)	User id Primary key of Registration	Foreign key

b_type	Boolean	Type of benefactor	Not null
status	Boolean	Admin verified or not	Not null

Table name: Beneficiary

Column	Type	Description	Constraint
Bid	Int(10)	Beneficiary id	Primary key
Uid	Int(10)	User id Primary key of registration table	Foreign key
b_type	Boolean	Type of beneficiary	Not null
status	Boolean	Verified or not	Not null

Table name: Volunteer

Column	Type	Description	Constraint
Vid	Int(10)	Volunteer Id	Primary key
Uid	Int(10)	User id Primary key of registration table	Foreign key
photo	Varchar(100)	Profile picture of Volunteer	Not null
ID_proof	Varchar(100)	ID proof of volunteer	Not null

Table name: Admin

Column	Type	Description	Constraint

email	Varchar(30)	Email id of admin	Not null
password	Varchar(30)	Password of admin	Not null

Table name: **Products**

Primary key: pid

Column	Type	Description	Constraint
PID	Int(10)	Product Id	Primary key
Bid	Int(10)	Benefactor ID Primary key of Benefactor	Foreign key
name	Varchar(20)	Product name	Not null
Type	Varchar(10)	Product type	Not null
Expiry	Date	Expiry date	Not null
Quantity	Float	Product quantity	Not null
Location	Varchar(20)	Location	Not null

Table name: **Needs**

Column	Type	Description	Constraint
NID	Int(10)	Needs ID	Primary key
Bid	Int(10)	Beneficiary ID Primary key of Beneficiary	Foreign key
Type	Varchar(15)	Product type	Not null
location	Varchar(20)	Location of	Not null

		beneficiary	
quantity	Int(10)	Product quantity	Not null
Date	Date	Date of product added	Not null

Table name: **Accepted products**

Column	Type	Description	Constraint
PID	Int(10)	Accepted product ID	Primary key
Product	Int(10)	Product ID Primary key of product	Foreign key
Benefactor	Int(10)	Benefactor ID Primary key of Benefactor	Foreign key
Bid	Int(10)	Beneficiary ID Primary key of Benefactor	Foreign key
Vid	Int(10)	Volunteer ID Primary key of Benefactor	Foreign key
Date	date	Date of product added	Not null
Time	time	Time of product accepted	Not null
Status	Boolean	Status of delivery	Not null

Table name: **Feedback**

Primary key: FID

Column	Type	Description	Constraint
FID	Int(10)	Feedback id	Primary key
Name	Varchar(25)	Name of user	Not null
Feedback	Varchar(100)	Feedback	Not null
User_type	Varchar(15)	User type	Not null
location	Varchar(50)	location	Not null