

## **Tables Listings:**

**1.Volunteer** – This entity represents the act of someone willing to volunteer to a project.

**Volunteer ID:** Unique number to identify the volunteer.PK, NOT NULL

Type: Varchar(50)

First\_Name: The first name of the volunteer, not null

Type: Varchar(50)

Last\_Name: The last name of the volunteer, not null,

Type: Varchar(100)

Phone: An alphanumeric representing the phone contact of the volunteer.

Type:Varchar(30)

Email: An alphanumeric representing the email contact of the volunteer.

Type:Varchar(50)

Street: Street of the address.

Type: Varchar(50)

City: The name of the city.

Type: Varchar(50)

State: The state of the address.

Type: char(2)

Postal Code

Type: Varchar(11)

Date\_accepted: The date that the volunteer was accepted

Type: Date

Project\_Preferences: Desired projects that volunteer wants assign for

Type:Varchar(30)

Total\_hours: Total volunteering time

Type: decimal(10,2)

Examples:

1. '01-11111','Michael','Smith','718-210-0000','Michael.Smith@gmail.com','12 Alma St.','Jersey City','NJ','07037','2002-03-17','animals',358.00
2. '01-11112','Susan','Barker','718-210-0001','Susan.Barker@gmail.com','4 North St.','Jersey City','NJ','07032','2002-09-15','education',289.00
3. '01-11113','Robert','Tyler','718-210-0002','Robert.Tyler@gmail.com','3 Main St.','Newark','NJ','07114','2003-11-14','seniors',105.50
4. '01-11114','John','Gooding','718-210-0003','John.Gooding@gmail.com','123 Putnam Ave','Brooklyn','NY','06878','2005-12-02','hunger',67.00
5. '01-11115','Helen','Fleming','718-210-0004','Helen.Fleming@gmail.com','175 Park Ave.','New York','NY','10065','2005-04-24','health',54.50
6. '01-11116','Chris','Tucker','718-210-0005','Chris.Tucker@gmail.com','17 North St.','Newark','NJ','07114','2008-05-03','education',123.00
7. '01-11117','Sarah','Parker','718-210-0006','Sarah.Parker@gmail.com','1265 Lombardi Ave.','East Meadow','NY','06870','2010-07-27','children',92.00
8. '01-11118','Jane','Grossman','718-210-0007','Jane.Grossman@gmail.com','14 E 22nd St.','New York','NY','10033','2011-03-17','animals',234.00
9. '01-11119','Paula','Roberts','718-210-0008','Paula.Roberts@gmail.com','401 9th avenue','New York','NY','10075','2014-05-11','seniors',15.00
10. '01-11120','John','Blake','718-210-0009','John.Blake@gmail.com','19 E 65th St','New York','NY','10075','2015-04-01','hunger',157.00
11. '01-11121','Cindy','Mason','718-210-0010','Cindy.Mason@gmail.com','47 W 13th st','New York','NY','10011','2017-03-15','children',45.00
12. '01-11122','Frank','Portman','718-210-0011','Frank.Portman@gmail.com','146 e 19th st','Brooklyn','NY','11226','2017-06-29','health',76.50
13. '01-11123','Theresa','Markham','718-210-0012','Theresa.Markham@gmail.com','100 E 92nd st','Brooklyn','NY','11212','2018-08-09','education',176.00
14. '01-11124','Beth','Fowler','718-210-0013','Beth.Fowler@gmail.com','22-77 28th St','Astoria','NY','11105','2018-10-12','hunger',55.50
15. '01-11125','Rick','Tulman','718-210-0014','Rick.Tulman@gmail.com','37-19 21th st','Astoria','NY','11102','2018-12-12','children',10.00

## 2. **CharityProject** – Represents a charity project.

**CharityProject\_id:** Unique identifier of the project. PK ,NOT NULL

Type: Int(11)

Project\_Name: The name of the project

Type: Varchar(50)

Project\_Description: The description of the project.

Type: Varchar(300)

SupervisorID: The identifier of the supervisor. FK (references to volunteer\_id in volunteer table),Not null.

Type: Varchar(15)

Examples:

1. '02-10001','Volunteer at soup kitchen','We are looking for compassionate volunteers to help us with food distribution and bagging our inventory','01-11111'
- 2.'02-10002','Children and youth education','Transform the lives of children through mentoring','01-11112'
- 3.'02-10003','Share your pets love','Share your pets unconditional love with fellow animal lovers','01-11118'
- 4.'02-10004','Visit a senior','Volunteers need to come visit a senior, read a book, play checkers/chess or just chat','01-11123'
- 5.'02-10005','Play soccer?','Coach soccer to underserved kids','01-11112'
6. ('02-10006','Cat adoption center','This is an opportunity to help abandoned cats to get into a healthy environment and prepare them for a new life in a forever home','01-11118'
- 7.'02-10007','Make a difference in the life of a child','Volunteers needed to play with children who are hospitalized','01-11112'
- 8.'02-10008','MealTime Feeder', 'MealTime Mate volunteers to provide assistance and companionship to those patients who need help with their meals','01-11123'
9. '02-10009','Health and wellness project', 'Our Health and Wellness projects, volunteers bring much-needed companionship to long-term hospital residents and individuals living with devastating illnesses','01-11123'
- 10.'02-10010','Come teach kids to code!',' We are looking for STEM gurus who have the ability of using coding blocks as primary methods of teaching programming logic and skills.','01-11112'

**3.Time\_slot** – Represent a timeslot in the project.

**Time slot ID**: The unique identifier of the timeslot. PK, not null

Type: varchar(15)

Date:date of slot for particular project

Type:Date

Begin\_time: The initial start of the slot.

Type:time

End\_time: The final end time of the slot.

Type: time

CharityProject\_id: Unique identifier of the project, FK references the charity project that this time slot belongs to, not null

Type: Varchar(15)

Examples:

1.'05-11111','2020-11-12','17:00:00','19:00:00','02-10001'

2.'05-11112','2020-10-28','12:00:00','14:00:00','02-10003'

3.'05-11113','2020-11-21','09:00:00','10:30:00','02-10005'

4.'05-11114','2020-11-05','13:00:00','14:00:00','02-10008'

5.'05-11115','2020-11-05','17:00:00','18:00:00','02-10008'

6.'05-11116','2020-11-11','10:00:00','11:00:00','02-10010'

**4.Donor** – This entity represents a donor.

**Donor\_id**: The unique identifier of the donor. PK, not null.

Type: Varchar(15)

First\_name: The first name of the donor.

Type: Varchar(50)

Last\_name: The last name of the donor.

Type: Varchar(100)

Email: An alphanumeric representing the email contact of the donor.

Type:Varchar(50)

Phone: An alphanumeric representing the phone contact of the donor.

Type:Varchar(30)

Employer\_Name: The employer of the donor.

Type: Varchar(50)

Examples:

1. '03-0001','Susan','Hawthorne','Susan.Hawthorne@amazon.com','202-330-1111','Amazon'
2. '03-0002','Kathlene','Barone','Kathlene.Barone@apple.com','202-330-1112','Apple'
3. '03-0003','Sally','Avino','Sally.Avino@microsoft.com','202-330-1113','Microsoft'
4. '03-0004','Mark','Cohen','Mark.Cohen@jpmorgan.com','202-330-1114','JP Morgan'
5. '03-0005','Rodger','Gibson','Rodger.Gibson@bofa.com','202-330-1115','Bank of America'
6. '03-0006','Timothy','Jackson','Timothy.Jackson@google.com','202-330-1116','Google'
7. '03-0007','Paul','Kolinsky','Paul.Kolinsky@disney.com','202-330-1117','Disney'
8. '03-0008','Kelly','Miller','Kelly.Miller@cvs.com','202-330-1118','CVS'
9. '03-0009','Hazel','Mccoy','Hazel.Mccoy@ibm.com','202-330-1119','IBM'
10. '03-0010','Robert','Maxwell','Robert.Maxwell@verizon.com','202-330-1120','Verizon'

**5.Donate** – This table represents the relationship between Charity Project and Donor.

**Donation\_id:** the unique identifier of the donation PK not null

Type: Varchar(15)

Date: The date and time of the donation.

Type: Date

Amount: The amount of the donation

Type: Decimal(10,2)

Donor\_id: The unique identifier of the donor , FK,references to donor\_id,which Donor is donating , not null

Type: Varchar(15)

CharityProject\_id: Unique identifier of the project, references to Charyti\_Project that donor is donating to, FK, not null

Type: Varchar(15)

Examples:

1.'04-11111','2020-08-18',200.00,'03-0001','02-10010'  
2.'04-11112','2020-09-15',150.00,'03-0006','02-10001'  
3.'04-11113','2020-09-23',500.00,'03-0003','02-10006'  
4.'04-11114','2020-09-30',250.00,'03-0005','02-10005'  
5.'04-11115','2020-10-05',250.00,'03-0005','02-10004'  
6.'04-11116','2020-10-15',100.00,'03-0010','02-10009'  
7.'04-11117','2020-10-15',300.00,'03-0007','02-10002'  
8.'04-11118','2020-10-28',500.00,'03-0002','02-10002'  
9.'04-11119','2020-11-01',1000.00,'03-0004','02-10007'  
10.'04-11120','2020-11-02',180.00,'03-0008','02-10003'  
11.'04-11121','2020-07-15',50.00,'03-0008','02-10007'  
12.'04-11122','2020-08-01',180.00,'03-0002','02-10006'  
13.'04-11123','2020-09-10',200.00,'03-0002','02-10005'

**6.Applies\_for\_slot-** this table represents relationship between volunteer and Time\_Slot

**Time Slot ID** :The unique identifier of the timeslot, references to time slot that volunteer is applying for, FK, not null

Type: Varchar(15)

**Volunteer ID** :The unique identifier of the volunteer ,references to volunteer that applies for slot, FK,not null

Type: Int

**PK(Time Slot ID, Volunteer ID)**,not null

Slot\_Position\_Name: The alias of the position

Type: Varchar(25)

Example:

1.'05-11111','01-11111','Cook'  
2.'05-11112','01-11114','Companionship'  
3.'05-11113','01-11120','Coach'

- 4.'05-11114','01-11123','Assist patients'
- 5.'05-11115','01-11113','Companionship'
- 6.'05-11116','01-11125','Teacher'
- 7.'05-11111','01-11120','Cook'
- 8.'05-11111','01-11114','Food Prep'
- 9.`05-11111','01-11124','Food Prep'
- 10.'05-11111','01-11121','Packing Coordinator'

**7.Applies\_no\_slot** -This table represents relationship between volunteer and Charity\_Project

**VolunteerID:** The unique identifier of the volunteer, references to volunteer that applies for project ,FK, not null

Type: Varchar(15)

**Charity ProjectID:** The unique identifier of the Charity\_Project, References to Charyti\_Project that volunteer is applying for ,FK, not null

Type: Varchar(15)

PK(**VolunteerID, Charity ProjectID**), not null

Position\_Name: The alias of the position

Type: Varchar(25)

Example:

- 1.'01-11112','02-10002','Teacher'
- 2.'01-11113','02-10004','Companionship'
- 3.'01-11115','02-10009','Assist patients'
- 4.'01-11118','02-10006','Animal care'
- 5.'01-11125','02-10007','Teacher'
- 6.'01-11112','02-10007','Teacher'
- 7.'01-11116','02-10007','Teacher'
- 8.'01-11111','02-10006','Animal care'
- 9.'01-11119','02-10004','Companionship'
- 10.'01-11117','02-10006','Record Administrator'

**8.CharityProjectLocation** – This is multivalued attribute that represents the possible location of the projects.

**charityProjectLocation\_id**: The unique identifier of the project location PK not null

Type: Varchar(15)

Location\_Name: The name of the location.

Type: Varchar(50)

**Charity\_ProjectID**: The unique identifier of the Charity\_Project, references to charity project that location is associated with , FK,not null

Type: Varchar(15)

Example:

- 1.'06-00001','NY','02-10001'
- 2.'06-00002','NJ','02-10002'
- 3.'06-00003','NY','02-10003'
- 4.'06-00004','NY','02-10004'
- 5.'06-00005','NY','02-10005'
- 6.'06-00006','NJ','02-10006'
- 7.'06-00007','NY','02-10007'
- 8.'06-00008','NY','02-10008'
- 9.'06-00009','NY','02-10009'
- 10.'06-00010','NJ','02-10010'
- 11.'06-00011','NY','02-10002'
- 12.'06-00012','CT','02-10002'
- 13.'06-00013','NJ','02-10003'

In summary tables:



1. Volunteer(**VolunteerID**,First\_Name,Last\_Name,Phone,Email,Street,City,State,Postal\_Code,Date\_accepted,Project\_Preferences,Total\_hours) VolunteerID is PK
2. Charity\_Project(**Charity ProjectID**,Project\_Name,Project\_Description,SupervisorID)**Charity ProjectID** is PK,SupervisorID is FK that referring to VolunteerID in volunteer table.
3. Time\_Slot(Time\_SlotID,Date,Begin\_Time,End\_Time,Charity\_ProjectID) **Time SlotID** is PK, Charity\_ProjectID is FK that referring to Charity\_Project.
4. Donor(**DonorID**,First\_Name,Last\_Name,Email,Phone,Employer\_Name)**DonorID** is PK
5. Donate(**DonorID**,**Charity ProjectID**,Donation\_Date,Donation\_Amount) DonorID is FK referring to Donor, Charity\_ProjectID is FK referring to Charity\_Project together they present PK
6. Applies\_for\_slot(**Time SlotID**,**VolunteerID**,Slot\_Position\_Name)Time\_SlotID is FK referring to TimeSlot and VolunteerID is FK referring to Volunteer, together they form PK
7. Applies\_no\_slot(**VolunteerID**, **Charity ProjectID**,Position\_Name) VolunteerID is FK referring to Volunteer and Charity\_ProjectID is FK referring to Charity\_Project, together they form PK
8. Charity\_Project\_Location(**Charity Project LocationID**,Charity\_ProjectID,Location\_name)**Charity Project LocationID** is PK and Charity\_ProjectID is FK referring to Charity\_Project