# DATABASE

1. USER TABLE:

CREATE TABLE User (

UserID INT AUTO\_INCREMENT PRIMARY KEY,

Name VARCHAR(100) NOT NULL,

Email VARCHAR(100) UNIQUE NOT NULL,

Phone VARCHAR(15),

Role ENUM('Admin', 'Donor', 'Volunteer', 'Supervisor') NOT NULL,

Password VARCHAR(255) NOT NULL,

LocationID INT, -- Added LocationID column

FOREIGN KEY (LocationID) REFERENCES Location(LocationID) -- Foreign key relationship with Location table

);

1. EVENT TABLE:

CREATE TABLE Event (

EventID INT AUTO\_INCREMENT PRIMARY KEY,

EventName VARCHAR(100) NOT NULL,

LocationID INT NOT NULL,

Date DATE NOT NULL,

StartTime TIME NOT NULL,

EndTime TIME NOT NULL,

Status ENUM('Active', 'Closed') DEFAULT 'Active',

CreatedBy INT NOT NULL,

CreatedAt TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

UpdatedAt TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

FOREIGN KEY (LocationID) REFERENCES Location(LocationID),

FOREIGN KEY (CreatedBy) REFERENCES User(UserID)

);

1. LOCATION TABLE:

CREATE TABLE Location (

LocationID INT AUTO\_INCREMENT PRIMARY KEY,

City VARCHAR(100) NOT NULL,

State VARCHAR(50) NOT NULL,

ZipCode VARCHAR(10) NOT NULL,

RoadNo VARCHAR(50) NOT NULL,

HouseNo VARCHAR(50) NOT NULL

);

1. Organization Table:

CREATE TABLE Organization (

OrganizationID INT AUTO\_INCREMENT PRIMARY KEY,

Name VARCHAR(100) NOT NULL,

HouseNo VARCHAR(20) NOT NULL,

RoadNo VARCHAR(100) NOT NULL,

LocationID INT NOT NULL, -- Link to the Location table

FOREIGN KEY (LocationID) REFERENCES Location(LocationID)

);

1. Supervisor Table:

CREATE TABLE Supervisor (

SupervisorID INT AUTO\_INCREMENT PRIMARY KEY,

UserID INT NOT NULL,

OrganizationID INT NOT NULL,

TotalPeople INT NOT NULL,

RequiredStorageCapacity INT NOT NULL,

FOREIGN KEY (UserID) REFERENCES User(UserID),

FOREIGN KEY (OrganizationID) REFERENCES Organization(OrganizationID)

);

1. EVENTSUPERVISOR TABLE:

CREATE TABLE EventSupervisor (

EventID INT NOT NULL,

SupervisorID INT NOT NULL,

DeliveryTime TIME NOT NULL,

PRIMARY KEY (EventID, SupervisorID),

FOREIGN KEY (EventID) REFERENCES Event(EventID),

FOREIGN KEY (SupervisorID) REFERENCES supervisor(SupervisorID)

);

1. EVENTDONORS TABLE:

CREATE TABLE EventDonors (

EventID INT NOT NULL,

DonorID INT NOT NULL,

PickupTime TIME NOT NULL,

PRIMARY KEY (EventID, DonorID),

FOREIGN KEY (EventID) REFERENCES Event(EventID),

FOREIGN KEY (DonorID) REFERENCES User(UserID)

);

1. Event Volunteers table:

CREATE TABLE EventVolunteers (

EventID INT NOT NULL,

VolunteerID INT NOT NULL,

Strikes INT DEFAULT 0,

PRIMARY KEY (EventID, VolunteerID),

FOREIGN KEY (EventID) REFERENCES Event(EventID),

FOREIGN KEY (VolunteerID) REFERENCES User(UserID)

);

1. DonorStorage Table:

CREATE TABLE DonorStorage (

StorageID INT AUTO\_INCREMENT PRIMARY KEY,

LocationID INT NOT NULL,

DonorID INT NOT NULL,

Quantity INT NOT NULL,

FOREIGN KEY (DonorID) REFERENCES User(UserID),

FOREIGN KEY (LocationID) REFERENCES Location(LocationID)

);