CREATE TABLE Donor (

DonorID INT PRIMARY KEY,

Name VARCHAR(255),

BloodGroup VARCHAR(5),

ContactNumber VARCHAR(15),

LastDonationDate DATE

);

CREATE TABLE BloodBag (

BagID INT PRIMARY KEY,

DonorID INT,

BloodGroup VARCHAR(5),

DonationDate DATE,

ExpiryDate DATE,

Status ENUM('Available', 'Issued', 'Expired'),

FOREIGN KEY (DonorID) REFERENCES Donor(DonorID)

);

CREATE TABLE Recipient (

RecipientID INT PRIMARY KEY,

Name VARCHAR(255),

BloodGroup VARCHAR(5),

ContactNumber VARCHAR(15),

RequiredUnits INT,

RequestDate DATE

);

CREATE TABLE BloodBankStaff (

StaffID INT PRIMARY KEY,

Name VARCHAR(255),

Position VARCHAR(50),

ContactNumber VARCHAR(15)

);

CREATE TABLE BloodTransaction (

TransactionID INT PRIMARY KEY,

BagID INT,

RecipientID INT,

StaffID INT,

TransactionDate DATE,

TransactionType ENUM('Issue', 'Receive'),

FOREIGN KEY (BagID) REFERENCES BloodBag(BagID),

FOREIGN KEY (RecipientID) REFERENCES Recipient(RecipientID),

FOREIGN KEY (StaffID) REFERENCES BloodBankStaff(StaffID)

);