|  |
| --- |
| **tblBlood\_Type** |
| Blood Type ID int PK NOT NULL  Blood Type Letter varchar(16) NULL |

|  |
| --- |
| **tblDisease** |
| Disease ID int PK NOT NULL  Disease Name varchar(64) NULL |

|  |
| --- |
| **tblZip** |
| Zip varchar(16) PK NOT NULL  City varchar(32) NULL  State varchar(32) NOT NULL |

|  |
| --- |
| **tblAddress** |
| Address ID varchar(16) PK NOT NULL  Zip varchar(16) FK NOT NULL  Street varchar(64) NULL |

|  |
| --- |
| **tblPatient** |
| Patient ID int PK NOT NULL  Blood Type ID int FK NOT NULL  Disease ID int FK NOT NULL  Patient First Name varchar(64) NOT NULL  Patient Last Name varchar(64) NOT NULL  Address ID varchar(16) FK NOT NULL  Patient DOB date NULL  Patient Email Address varchar(128) NULL  Patient Phone Number varchar(13) NOT NULL |

|  |
| --- |
| **tblDonor** |
| Donor ID varchar(16) PK NOT NULL  Blood Type ID int FK NOT NULL  Donor First Name varchar(64) NOT NULL  Donor Last Name varchar(64) NOT NULL  Address ID varchar(16) NULL  Donor DOB date NULL  Donor Email Address varchar(128) NULL  Donor Phone Number varchar(13) NOT NULL |

|  |
| --- |
| **tblBlood\_Bank** |
| Blood Bank ID varchar(16) PK NOT NULL  Blood Bank Name varchar(64) NOT NULL  Address ID varchar(16) FK NULL |

|  |
| --- |
| **tblHospital** |
| Hospital ID varchar(16) PK NOT NULL  Hospital Name varchar(64) NOT NULL  Address ID varchar(16) NULL |

|  |
| --- |
| **tblBlood\_Bank\_Inventory** |
| Blood Bank ID varchar(16) PK, FK NOT NULL  Blood Type ID varchar(16) PK, FK NOT NULL  Qty int NOT NULL |

|  |
| --- |
| **tblHospital\_Inventory** |
| Hospital ID int PK, FK NOT NULL  Blood Type ID PK, FK NOT NULL  Qty int NOT NULL |

|  |
| --- |
| **tblHospital\_Records** |
| Visit ID varchar(16) PK, NOT NULL  Hospital ID varchar(16) FK, NULL  Patient ID int FK, NOT NULL  Disease ID int FK, NOT NULL  Blood Type ID int FK, NOT NULL  Visit Date date NOT NULL  Visit Time time NULL |

|  |
| --- |
| **tblRequest** |
| Request ID varchar(16) PK NOT NULL  Hospital ID varchar(16) FK NOT NULL  Patient ID int FK NULL  Blood Type ID int FK NOT NULL  Request Date date NULL  Request Time time NULL  Processed? varchar(3) NOT NULL |

|  |
| --- |
| **TblBlood\_Shipment** |
| Shipment ID varchar(16) PK NOT NULL  Request ID varchar(16) FK NOT NULL  Blood Bank ID varchar(16) FK NOT NULL  Donor ID varchar(16) FK NULL  Hospital ID varchar(16) FK NOT NULL  Shipment Date (date) NULL  Shipment Time (datetime) NULL |