**Data Dictionary for Hospital Database Bryan Miranda**

Table: **AdministrationID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| Administration ID | **PK**; Unique sequential Administration ID number | int |  | Y | Y |  |  |  |  | Y |
| Date | Date of treatment Administry | date |  |  |  |  |  |  |  |  |
| Time | Time of treatment | time |  |  |  |  |  |  |  |  |
| Result | Results of treatment | nvarchar(20) | 20 |  |  |  |  |  |  |  |
| doctorID | **FK** to DoctorID | int |  |  |  |  |  |  |  |  |
| patientID | **FK** to PatientID | int |  |  |  |  |  |  |  |  |
| treatmentID | **FK** to TreatmentID | int |  |  |  |  |  |  |  |  |

Table: **AdmissionID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| AdmissionID | **PK**; Unique sequential Admission ID number | Int |  | Y | Y |  |  |  |  | Y |
| AdmissionDate | Date of admission | date |  |  |  |  |  |  |  |  |
| RelaseDate | Date of release | date |  |  |  |  |  |  |  |  |
| patientID | **FK** to PatientID | int |  |  |  |  |  |  |  |  |
| doctorID | **FK** to DoctorID | int |  |  |  |  |  |  |  |  |

Table: **BedID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| BedID | **PK**; Unique sequential Bed ID number | int |  | Y | Y |  |  |  |  | Y |
| patientID | **FK** to PatientID | int |  |  |  |  |  |  |  |  |
| bedSize | **Default to Large** | nvarchar(10) |  |  |  |  |  |  |  |  |
| bedType | **Default to Manual** | nvarchar(10) |  |  |  |  |  |  |  |  |

Table: **CareID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| CareID | **PK**; Unique sequential Care ID number | int |  | Y | Y |  |  |  |  | Y |
| Date | Date of care | date |  |  |  |  |  |  |  |  |
| Time | Time of care | time |  |  |  |  |  |  |  |  |
| Event | Event/ type of care | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| patientID | **FK** to PatientID | int | 15 |  |  |  |  |  |  |  |
| nurseID | **FK** to NurseID | int | 2 |  |  |  |  |  |  |  |

Table: **DoctorID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DoctorID | **PK**; Unique sequential Doctor ID number | int |  | Y | Y |  |  |  |  | Y |
| FirstName | First name of the Doctor | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| LastName | Last name of the Doctor | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| Street | Street of the Doctor | nvarchar (30) | 30 |  |  |  |  |  |  |  |
| City | City of the Doctor | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| State | State of the Doctor | char | 2 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the Doctor | nvarchar (10) | 10 |  |  |  |  |  |  |  |
| PhoneNumber | Phone number of the Doctor | nvarchar (20) | 20 |  |  |  |  |  | Y |  |
| AlternatePhoneNumber | Alternate Phone number for the Doctor | nvarchar (20) | 20 |  |  |  |  |  | Y |  |
| Email | Email of the Doctor | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| Medical  Specialty | Specialty of the Doctor | nvarchar (20) | 20 |  |  |  |  |  |  |  |

Table: **ItemID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| ItemID | **PK**; Unique sequential ItemID number | int |  | Y | Y |  |  |  |  | Y |
| Date | Date of products charged | date |  |  |  |  |  |  |  |  |
| Charge | Dollar value of items charged | money |  |  |  |  |  |  |  |  |

Table: **NurseID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DoctorID | **PK**; Unique sequential Nurse ID number | int |  | Y | Y |  |  |  |  | Y |
| FirstName | First name of the Nurse | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| LastName | Last name of the Nurse | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| Street | Street of the Nurse | nvarchar (30) | 30 |  |  |  |  |  |  |  |
| City | City of the Nurse | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| State | State of the Nurse | char | 2 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |  |
| Zip | Zip code of the Nurse | nvarchar (10) | 10 |  |  |  |  |  |  |  |
| PhoneNumber | Phone number of the Nurse | nvarchar (20) | 20 |  |  |  |  |  | Y |  |
| AlternatePhoneNumber | Alternate Phone number for the Doctor | nvarchar (20) | 20 |  |  |  |  |  | Y |  |
| Email | Email of the Nurse | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| Medical  Specialty | Specialty of the Nurse | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| ChargeNurse ID | **FK:** Unique ID to the nurse in charge | int |  |  |  |  |  |  |  |  |

Table: **NurseWardAssignID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| NurseWard AssignmentID | **PK**; Unique sequential NurseWardAssignment ID number | int |  | Y | Y |  |  |  |  | Y |
| Date | Date of care | date |  |  |  |  |  |  |  |  |
| Hours | Time of care | decimal | (4,2) |  |  |  |  |  |  |  |
| wardID | **FK** to WardID | int | 15 |  |  |  |  |  |  |  |
| nurseID | **FK** to NurseID | int | 2 |  |  |  |  |  |  |  |

Table: **PatientID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DoctorID | **PK**; Unique sequential ID number | int |  | Y | Y |  |  |  |  | Y |
| FirstName | First name of the Patient | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| LastName | Last name of the Patient | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| Gender | Gender of Patient | char | 1 |  |  |  |  |  |  |  |
| DateofBirth | Date of birth of the Patient | date |  |  |  |  |  |  |  |  |
| Age | Age of the Patient |  |  |  |  |  |  |  | Y |  |
| Street | Street of the Patient | nvarchar (30) | 30 |  |  |  |  |  | Y |  |
| City | City of the Patient | nvarchar (20) | 20 |  |  |  |  |  | Y |  |
| State | State of the Patient | char | 2 |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ | Y |  |
| Zip | Zip code of the Patient | nvarchar (10) | 10 |  |  |  |  |  | Y |  |
| PhoneNumber | Phone number of the Patient | nvarchar (20) | 20 |  |  |  |  |  | Y |  |
| AlternatePhoneNumber | Alternate Phone number for the Patient | nvarchar (20) | 20 |  |  |  |  |  | Y |  |
| Email | Email of the Patient | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| bedID | FK to BedID | int |  |  |  |  |  |  |  |  |
| itemID | FK to ItemID | int |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

Table: **TreatmentID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| TreatmentID | **PK**; Unique sequential TreatmentID number | int |  | Y | Y |  |  |  |  | Y |
| Name | Date of products charged | nvarchar (20) | 20 |  |  |  |  |  |  |  |
| Description | Description of treatment | nvarchar (30) | 30 |  |  |  |  |  |  |  |

Table: **WardID**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| WardID | **PK**; Unique sequential WardID number | int |  | Y | Y |  |  |  |  | Y |
| RoomNumber | Room Number Designation | nvarchar (20) |  |  |  |  |  |  |  |  |
| Description | Description of room | nvarchar (20) |  |  |  |  |  |  |  |  |
| Location | Location of room | nvarchar (20) |  |  |  |  |  |  |  |  |
| PhoneNumber | Phone Number of the Ward | nvarchar (20) |  |  |  |  |  |  | Y |  |