Alexandra Givins

Data Dictionary

ISM 4212

5/10/2020

Table: **Admit Discharge**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| AdmitID | **CPK**: Admit ID number of people entering and exiting the hospital | smallint |  | Y |  |  |  |  |  | Y |
| AdmitDate | The date of individuals entering the hospital. | date |  |  |  | GETDATE () |  | AdmitDate <= GETDATE () |  |  |
| DischargeDate | The date of individuals exiting the hospital. | date |  |  |  |  |  | DischargeDate >=AdmitDate | Y |  |
| PatientID | **CPK; FK**:The number of patients entering and exiting the hospital. | smallint |  |  |  |  |  |  |  |  |
| AdmitDoc | **CPK; FK**: The number of doctors entering the hospital. | smallint |  |  |  |  |  |  |  |  |
| DischargeDoc | **CPK; FK**: The number of doctors existing the hospital. | smallint |  |  |  |  |  |  |  |  |

Table: **Bed**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| BedID | **PK**: Bed ID. the amount of beds | smallint |  | Y |  |  |  |  |  | Y |
| Size | The size of the bed | varchar | 20 |  |  |  |  |  |  |  |
| Type | Type of the bed | char | 12 |  |  |  |  | Type LIKE '[A-Z][A-Z][A-Z][A-Z]' OR Type LIKE ''[A-Z][A-Z][A-Z][A-Z][A-Z]' OR Type Like ‘[A-Z][A-Z][A-Z]’ |  |  |
| WardID | **FK**: The Ward ID of patients receiving the bed. | smallint |  |  |  |  |  |  |  |  |

Table: **Doctor Specialty**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DoctorID | **PK**; Doctor ID number | smallint |  | Y |  |  |  |  |  | Y |
| Specialty | Specialty of Doctors | varchar | 20 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

Table: **Item**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| ItemID. | **PK**: Item ID the number of Items. | smallint |  | Y |  |  |  |  |  | Y |
| Name | Name of Item | varchar | 20 |  |  |  |  |  |  |  |
| Charge | The price of the Item “Charge” | smallmoney |  |  |  |  |  | ([Charge] >= (0) AND [Charge]<= (100000)) |  |  |

Table: **Item Charge**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| ChargeID | **PK**: Charge No. the cost of the product | smallint |  | Y |  |  |  |  |  | Y |
| Quantity | Quantity, material of in the Item. | int |  |  |  |  |  | ([Quantity]>= (0) AND [Quantity]<= (100000)) |  |  |
| Date | The date that Item was purchase | date |  |  |  | GETDATE () |  | Date<=GETDATE () |  |  |
| ItemID. | **CPK;FK**: The number of Items. | smallint |  |  |  |  |  |  |  |  |
| Patient ID. | **CPK; FK**: The number of Patients | smallint |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

Table: **Nurse**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| NurseID | **PK**: The number of Nurses | smallint |  | Y |  |  |  |  |  | Y |
| FirstName | First name of the Nurse | varchar | 20 |  |  |  |  |  |  |  |
| LastName | Last name of the Nurse | varchar | 15 |  |  |  |  |  |  |  |
| Street | Street of the Nurse | varchar | 15 |  |  |  |  |  |  |  |
| City | City of the Nurse | varchar | 15 |  |  |  |  |  |  |  |
| State | State of the Nurse | char | 2 |  |  |  |  | ([State] like '[A-Z] [A-Z]') |  |  |
| Zip | Zip code of the Nurse | char | 5 |  |  |  |  | Zip '[0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |
| Phone | Phone number of the Nurse | char | 14 |  |  |  |  | Phone ‘[0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] | Y |  |
| SupervisorNo. | **FK**: The number of Supervisor | smallint |  |  |  |  |  |  |  |  |

Table: **Nurse Assignment**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| NurseID | **CPK**, **FK**: Nurse ID number | smallint |  | Y |  |  |  |  |  | Y |
| WardID | **CPK**, **FK**: Name of Ward | smallint |  |  |  |  |  |  |  | Y |
| Date | Date of Assignment | date |  |  |  | GETDATE () |  | Date<=GETDATE () |  |  |
| Hours | Hours of Assignment | nvarchar | 10 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

Table: **Nurse Patient**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| EventID | **PK**; Event ID number | smallint |  | Y |  |  |  |  |  | Y |
| EventType | Type of Event | varchar | 20 |  |  |  |  |  |  |  |
| Date | Date of event | date |  |  |  | GETDATE () |  | Date<=GETDATE () |  |  |
| Time | Time of event | varchar | 15 |  |  |  |  |  |  |  |
| PatientID | **FK**: Patient ID number | smallint |  |  |  |  |  |  |  |  |
| NurseID | **FK**: Nurse ID number | smallint |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

Table: **Nurse Specialty**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| NurseID | **PK**: Nurse ID number | smallint |  | Y |  |  |  |  |  | Y |
| Specialty | Specialty of Nurse | varchar | 29 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

Table: **Patient**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| PatientID | **PK**; Patient ID number | smallint |  | Y |  |  |  |  |  | Y |
| FirstName | First name of the Patient | varchar | 50 |  |  |  |  |  |  |  |
| LastName | Last name of the Patient | varchar | 50 |  |  |  |  |  |  |  |
| Gender | Gender of Patient | varchar | 50 |  |  |  |  |  |  |  |
| DateofBirth | Patient Date of Birth | date |  |  |  | GETDATE () |  | Date<=GETDATE () |  |  |
| Age | Age of Patient |  |  |  |  |  |  |  |  |  |
| Street | Street of the Patient | varchar | 50 |  |  |  |  |  | Y |  |
| City | City of the Patient | varchar | 50 |  |  | ‘Tampa’ |  | State like '[A-Z] [A-Z]’ |  |  |
| State | State of the Patient | varchar | 50 |  |  | ‘FL’ |  |  |  |  |
| Zip | Zip code of the employee | char | 5 |  |  |  |  | ‘Zip like '[0-9] [0-9[0-9][0-9][0-9]’ |  |  |
| Phone | Phone number of the employee | char | 14 |  |  |  |  | ([Phone] like '[0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9]') | Y |  |
| BedNo. | **FK**: Number of beds | smallint |  |  |  |  |  |  | Y |  |
|  |  |  |  |  |  |  |  |  |  |  |

Table: **Physician**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| DoctorID | **PK**; Doctor ID number | smallint |  | Y |  |  |  |  |  | Y |
| FirstName | First name of the Doctor | varchar | 20 |  |  |  |  |  |  |  |
| LastName | Last name of the Doctor | varchar | 20 |  |  |  |  |  |  |  |
| Street | Street of the Doctor | varchar | 20 |  |  |  |  |  |  |  |
| City | City of the Doctor | varchar | 15 |  |  |  |  |  |  |  |
| State | State of the Doctor | varchar | 10 |  |  |  |  |  |  |  |
| Zip | Zip code of the Doctor | char | 5 |  |  |  |  | ([Zip] like '[0-9] [0-9] [0-9][0-9][0-9]’) |  |  |
| Phone | Phone number of the Doctor | char | 14 |  |  |  |  | ([Phone] like '[0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9]') | Y |  |
| Email | Email of the Doctor | varchar | 10 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

Table: **SupervisorNo**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| SupervisorNo | **PK**; Unique sequential Supervisor ID number | smallint |  | Y |  |  |  |  |  | Y |

Table: **Treatment**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| TreatmentID | **PK**; Unique sequential employee ID number | smallint |  | Y |  |  |  |  |  | Y |
| Name | First name of the employee | varchar | 15 |  |  |  |  |  |  |  |
| Description | Type of Treatment | varchar | 15 |  |  |  |  |  |  |  |
| Charge | Amount of the Item cost | varchar | 15 |  |  |  |  |  |  |  |

Table: **Treatment Administration**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| **CPK, FK**: Patient ID number | smallint |  | Y |  |  |  |  |  | Y |
| **CPK, FK**: Doctor ID number | smallint |  |  |  |  |  |  |  |  |
| **CPK, FK**: Treatment ID number | smallint |  |  |  |  |  |  |  |  |
| Date of Treatment Administration | date |  |  |  |  |  |  |  |  |
| Time of Treatment Administration | time |  |  |  |  |  |  |  |  |
| Result of Treatment Administration | varchar | 15 |  |  |  |  |  |  |  |

Table: **Wards**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Default** | **Rule** | **Check** | **Allow Nulls** | **Index** |
| WardID | **PK**; Ward ID number | smallint |  | Y |  |  |  |  |  | Y |
| Location | Location of ward | varchar | 20 |  |  |  |  |  |  |  |
| Phone | Phone number of the ward | varchar | 10 |  |  |  |  |  | Y |  |
| ChargeNurse | **FK;** Charges of Nurse | smallint | 20 |  |  |  |  |  |  |  |