Jessica Cena

ISM 4212: Database Design/ Administration

Hospital Data Dictionary

6/8/2020

Table: Patient

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| PatientID | PK; Unique sequential patient ID number | Int |  | Y |  | Y |  |  |  |  |
| FirstName | First name of the patient | nvarchar | 20 |  |  |  |  |  |  |  |
| LastName | Last name of the patient | nvarchar | 20 |  |  |  |  |  |  |  |
| Gender | Gender of the patient | char | 2 |  |  |  |  |  |  |  |
| DOB | Date of birth of the patient | date | 10 |  |  | Y | Getdate() |  |  |  |
| Street | Street of the patient | nvarchar | 20 |  |  |  |  |  |  |  |
| City | City of the patient | nvarchar | 15 |  |  |  |  |  |  |  |
| State | State of the patient | char | 2 |  |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |
| Zip | Zip code of the patient | nvarchar | 10 |  |  |  |  |  |  |  |
| Age | Age of patient |  |  |  |  |  |  |  | (datediff(year,[dob],getdate())) | Y |
| Phone | Phone number of patient | varchar | 20 |  |  |  |  | Like ‘[0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |
| AltPhone | Alternative phone number of patient | varchar | 20 |  |  |  |  | Like ‘[0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |
| BedID | FK: to Bed table; Bed number of the patient | int |  |  |  |  |  |  |  |  |

Table: Doctor

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| DoctorID | PK: Uniques sequential doctor ID number | int |  | Y |  | Y |  |  |  |  |
| First | First name of the doctor | nvarchar | 20 |  |  |  |  |  |  |  |
| Last | Last name of the doctor | nvarchar | 20 |  |  |  |  |  |  |  |
| Street | Street of the doctor | nvarchar | 20 |  |  |  |  |  |  |  |
| City | City of the doctor | nvarchar | 15 |  |  |  |  |  |  |  |
| State | State of the doctor | char | 2 |  |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |
| Zip | Zip code of the doctor | nvarchar | 10 |  |  |  |  |  |  |  |
| Phone | Phone of the doctor | nvarchar | 20 |  |  |  |  | Like ‘[0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9]’ |  | Y |
| AltPhone | Alternate phone of the doctor | nvarchar | 20 |  |  |  |  | Like ‘[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 | nvarchar | 20 |  |  | Y |  |  |  |  |

Table: Doctor / Specialty

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Identity | Unique | Index | Default | Rule | Check | Allow Nulls |
| DoctorID | CPK: to the Doctor table; Unique sequential doctor ID number | int |  |  |  |  |  |  |  |  |
| Specialty | CPK: additional data to Doctor table; Doctors list of certifications | int |  |  |  |  |  |  |  |  |

Table: Nurse

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| NurseID | PK: Unique sequential nurse ID number | int |  | Y |  | Y |  |  |  |  |
| First | First name of the nurse | nvarchar | 20 |  |  |  |  |  |  |  |
| Last | Last name of the nurse | nvarchar | 20 |  |  |  |  |  |  |  |
| Street | Street of the nurse | nvarchar | 20 |  |  |  |  |  |  |  |
| City | City of the nurse | nvarchar | 15 |  |  |  |  |  |  |  |
| State | State of the nurse | char | 2 |  |  |  |  |  | LIKE ‘[A-Z] [A-Z]’ |  |
| Zip | Zip code of the nurse | nvarchar | 10 |  |  |  |  |  |  |  |
| Phone | Phone number of the nurse | varchar | 20 |  |  |  |  | Like ‘[0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |
| AltPhone | Alternate Phone number of the nurse | varchar | 20 |  |  |  |  | Like ‘[0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |
| Email | Email of the nurse | nvarchar | 20 |  |  |  |  |  |  |  |

Table: Nurse Specialty

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Date Type | Size | Identity | Unique | Index | Default | Rule | Check | Allow Nulls |
| NurseID | CPK: to Nurse table; showing nurse specialties | int |  |  |  |  |  |  |  |  |
| Specialty | CPK: additional data to Nurse table; Nurse list of certifications | int |  |  |  |  |  |  |  |  |

Table: Ward

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| WardID | PK: Unique sequential ward ID number | int |  | Y |  | Y |  |  |  |  |
| Location | Location of the ward | Nvarchar | 20 |  |  |  |  |  |  |  |
| DesignatedNo | Number of the ward | Nvarchar | 20 |  |  | Y |  |  |  |  |
| DesciptionName | Description name of the ward | nvarchar | 20 |  |  |  |  |  |  |  |
| Phone | Phone of the ward | varchar | 20 |  |  |  |  | Like ‘[0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9] [0-9]’ |  |  |
| ChargeNurseID | FK: to Nurse table. ChargeNurse of the ward | int |  |  |  |  |  |  |  |  |

Table: Bed

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| BedID | PK: Unique bed ID number | Int |  | Y |  | Y |  |  |  |  |
| Size | Size of the bed | char | 1 |  |  | Y |  |  | [Type] = (‘S’), [Type] = (‘L’)  OR [Type] = (‘X’) |  |
| Type | Type of bed | char | 1 |  |  |  |  |  | [Type] =(‘E’)  OR  [Type] = (‘M’) |  |
| WardID | FK: to Ward table. Bed location in ward | char | 1 |  |  |  |  |  |  |  |

Table: Treatment

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| TreatmentID | PK: Unique sequential treatment ID number | int |  | Y |  | Y |  |  |  |  |
| Name | Name of the treatment | nvarchar | 20 |  |  |  |  |  |  |  |
| Description | Description of the treatment | nvarchar | 30 |  |  | Y |  |  |  |  |
| Charge | Charge for the treatment | Smallmoney |  |  |  |  |  |  |  |  |

Table: Item

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| ItemID | Pk: Unique sequential item ID number | int |  | Y |  | Y |  |  |  |  |
| Name | Name of item | nvarchar | 20 |  |  | Y |  |  |  |  |
| Charge | Charge of item | smallmoney |  |  |  |  |  |  |  |  |

Table: Assigned

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| NurseID | CPK: Nurse assigned to; reference to Nurse table | int |  |  |  |  |  |  |  |  |
| WardID | CPK: Ward assigned to; reference to Ward table | int |  |  |  |  |  |  |  |  |
| Date | CPK: Date of assigned to; | date |  |  |  |  |  |  |  |  |
| Hours | Hours of assignment | nvarchar | 20 |  |  |  |  |  |  |  |

Table: Charge

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| ChargeID | Charge ID of item | int |  | Y |  | Y |  |  |  |  |
| Quantity | Quantity of item | nvarchar | 20 |  |  |  |  |  |  |  |
| Date | Date of item charge | date |  |  |  |  |  |  |  |  |
| ItemID | FK: to Item table; item for patient | int |  |  |  |  |  |  |  |  |
| PatientID | FK: to Patient table; item charge to patient | int |  |  |  |  |  |  |  |  |

Table: Admit

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| AdmitID | PK: Unique sequential admit ID number | int |  | Y |  | Y |  |  |  |  |
| AdmitDate | Date admitted | Datetime |  |  |  | Y |  |  |  |  |
| DischargeDate | Date discharged | Datetime |  |  |  |  |  |  |  |  |
| PatientID | FK: to Patient table; patient to be admitted or discharged | Int |  |  |  |  |  |  |  |  |
| DoctorID | FPK:to Doctor table; admit doctor for patient | int |  |  |  |  |  |  |  |  |

Table: Administer

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| PatientID | CPK: sequential patient ID number | int |  | Y |  | Y |  |  |  |  |
| DoctorID | CPK: sequential doctor ID number | int |  | Y |  | Y |  |  |  |  |
| TreatmentID | CPK: sequential treatment ID number | int |  | Y |  | Y |  |  |  |  |
| Date | Date for treatment administration | date |  |  |  |  |  |  |  |  |
| Time | Time of treatment administered | time | 6 |  |  |  |  |  |  |  |
| Results | Results of the treatment | nvarchar | 20 |  |  |  |  |  |  |  |

Table: Interaction

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Identity** | **Unique** | **Index** | **Default** | **Rule** | **Check** | **Allow Nulls** |
| EventID | PK: Unique sequential event ID number | int |  | Y |  | Y |  |  |  |  |
| Type | Type of event | nvarchar | 20 |  |  | Y |  |  |  |  |
| Date | Date of event | date |  |  |  |  |  |  |  |  |
| Time | Time of event | time | 6 |  |  |  |  |  |  |  |
| PatientID | FK: to Patient table | int |  |  |  |  |  |  |  |  |
| NurseID | FK: to Nurse table | int |  |  |  |  |  |  |  |  |