Table: medicalSpecialtiesNurse

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
specialtiesNurseID	PK for medicalSpecialties	int		Y						Y
medspecialtiesNurse	list of medspecialties for nurse	nvarchar	50							Y

Table: specialtiesNurse

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
specialtiesNurseID	CPK; FK of medicalSpecialtiesNurse	int								Y
nurseID	CPK; FK of nurse	int								Y

Table: nurse

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
nurseID	PK for Nurse; unique ID for nurses	int		Y						Y
firstName	First name of the nurse	nvarchar	30							
lastName	Last name of the nurse	nvarchar	30							
phoneNum	Phone Number of the Nurse	char	14				phone rule			
street	Street name of nurse	nvarchar	50							
city	City of the nurse	nvarchar	25							
state	State of the nurse	nvarchar	2					LIKE '[A-Z] [A-Z]'		
zip	Zip code of the nurse	char	5					LIKE '[0-9] [0-9] [0-9] [0-9] [0-9]'		
altPhone	Alternative phone of the nurse	char	14				phone rule			
email	Email of the Nurse	nvarchar	50							
headNurseID	Recursive FK, One nurse supervises another nurse	int								

Table: assignment

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
assignmentID	PK of assignment	int		Y						Y
date	date of the assignment to the Nurse	date								
hour	Hours that nurse worked on the assignment	decimal	(4,2)							
nurseID	FK of nurse	int								Y
wardID	FK of ward	int								Y

Table: ward

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
wardID	PK of Ward	int		Y						Y
locationName	The name of the location of the ward	nvarchar	30							
phoneNum	Phone number of the ward	char	14				phone rule			
wardHeadNurseID	FK of nurse; the nurse that is in charge of the ward	int								

Table: bed

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
bedID	PK of bed	int		Y						Y
bedSize	Size of the bed	char	2			L'		LIKE 'S' OR M' OR 'L'		
bedType	Type of the bed	char	1			M'		LIKE 'E' or 'M'		
availability	availability of the bed	char	1			M'		LIKE 'O' OR 'A'		
wardID	FK of ward	int								Y

Table: patient

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
patientID	PK of patient	int		Y						Y
firstName	First name of the patient	nvarchar	30							
lastName	Last name of the patient	nvarchar	30							
gender	Gender of the patient	char	2				LIKE 'M' OR 'F' OR 'NA'			
dateOfBirth	Date of birth of the patient	date								
phoneNum	Phone Number of the patient	char	14				phone rule			
street	Street name of patient	nvarchar	50							
city	City of the patient	nvarchar	25							
state	State of the patient	nvarchar	2					LIKE '[A-Z] [A-Z]'		
zip	Zip code of the patient	char	5					LIKE '[0-9] [0-9] [0-9] [0-9] [0-9]'		
altPhone	Alternative phone of the patient	char	14				phone rule			
email	Email of the patient	nvarchar	50							
[Age]	Age of the patient	computed								Y
bedID	FK of bed	int								

Table: Care

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
careID	PK of care	int		Y						Y
event	event of the care	nvarchar	50							
date	date of care	date								
time	time of the care	decimal	(4,2)							

nurseID	FK for Nurse	int							Y
patientID	FK of patient	int							Y

Table: itemCharged

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
itemChargedID	PK of item charged	int		Y						Y
date	date of the item charged	date								
amount	amount(count) of items	int								
itemID	FK of item	int								
patientID	FK of patient	int								

Table: item

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
itemID	PK of item	int								Y
name	Name of the item used	nvarchar	50							
charge	Charge price of the item	money								

Table: admitDischarge

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
admDiscID	PK of admitDischarge	int		Y						Y
adimissionDate	date of admission	date								
dischargeDate	date of discharge	date								
admissionDoctor	FK of doctor for admission	int								
dischargeDoctor	FK of doctor for discharge	int								

Tabel: doctor

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
doctorID	PK of doctor	int		Y						Y
firstName	First name of doctor	nvarchar	30							
lastName	Last name of the doctor	nvarchar	30							
phoneNum	Phone Number of the doctor	char	14				phone rule			
street	Street name of doctor	nvarchar	50							
city	City of the doctor	nvarchar	25							
state	State of the nurse	nvarchar	2					LIKE '[A-Z] [A-Z]'		
zip	Zip code of the doctor	char	5					LIKE '[0-9] [0-9] [0-9] [0-9] [0-9]'		
altPhone	Alternative phone of doctor	char	14				phone rule		Y	
email	Email of the doctor	nvarchar	50							

Table: medicalSpecialtiesDoctor

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
doctorID	FK of doctor	int		Y						Y
specDocID	FK of medicalSpecialtiesDoctor	int								

Table: specialtiesDoctor

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
specDocID	PK for specialtiesDoctor	int		Y						Y
specDoc	Speciaity of doctors	char	50							

Table: administer

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
adminTreatmentID	PK of admister	int		Y						Y
date	date of admister	date								
time	time of the admister	time								
results	result of admister	nvarchar								
doctorID	FK of doctor	int								Y
patientID	FK of patient	int								Y
treatmentID	FK of treatment	int								Y

Table: treatment

Column Name	Description	Data Type	Size	Identity	Unique	Default	Rule	Check	Allow Nulls	Index
treatmentID	Pk of treatment	int		Y						Y
description	description of the treatment	nvarchar	50							