Column Specifications for KHC Tables with Added Foreign Keys

Column Name	Data Type (Length)	Key	Required	Default Value	Remarks
ProviderID	SMALLINT	Primary Key	Yes	None	Initial value = 1, Increment value = 1
Email	VARCHAR(255)	No	Yes	None	UNIQUE
Password	CHAR(30)	No	Yes	None	
ProviderLast	CHAR(30)	No	Yes	None	special cases (email link)
ProviderFirst	CHAR(30)	No	Yes	None	special cases (email link)
DoB	DATE	No	Yes	None	YMD
Country	CHAR(70)	No	Yes	None	
State	CHAR(2)	No	Yes	None	If not US, type NA
City	CHAR(255)	No	Yes	None	
Zip	CHAR(10)	No	Yes	None	
Address	CHAR(255)	No	No	None	
Apt	CHAR(6)	No	No	None	

(a) PROVIDER

Column Name	Data Type (Length)	Key	Required	Default Value	Remarks
PatientID	MEDIUMINT	Primary Key	Yes	None	Initial value = 1, Increment value = 1
Email	VARCHAR(255)	No	Yes	None	UNIQUE
Password	CHAR(30)	No	Yes	None	
PatientLast	CHAR(30)	No	Yes	None	special cases (email link)
PatientFirst	CHAR(30)	No	Yes	None	special cases (email link)
DoB	DATE	No	Yes	None	YMD
Country	CHAR(70)	No	Yes	None	
State	CHAR(2)	No	Yes	None	If not US, type NA
City	CHAR(255)	No	Yes	None	
Zip	CHAR(10)	No	Yes	None	
Address	CHAR(255)	No	No	None	
Apt	CHAR(6)	No	No	None	

(b) PATIENT

Column Name	Data Type (Length)	Key	Required	Default Value	Remarks
ProviderID	SMALLINT	Primary Key, Foreign Key	Yes	None	REF: PROVIDER
PatientID	MEDIUMINT	Primary Key, Foreign Key	Yes	None	REF: PATIENT
Date	DATE	No	Yes	None	YMD
Time	TIME	No	Yes	None	HMS
Department	CHAR(30)	No	Yes	None	
Room	SMALLINT	No	Yes	None	
ProviderLast	CHAR(30)	Foreign Key	Yes	None	REF: PROVIDER
ProviderFirst	CHAR(30)	Foreign Key	Yes	None	REF: PROVIDER
PatientLast	CHAR(30)	Foreign Key	Yes	None	REF: PATIENT
PatientFirst	CHAR(30)	Foreign Key	Yes	None	REF: PATIENT

(c) APPOINTMENT

Column Name	Data Type (Length)	Key	Required	Default Value	Remarks
PatientID	MEDIUMINT	Primary Key, Foreign Key	Yes	None	REF: PATIENT
CallIn	BOOL	No	Yes	N	(Y/N)
CheckIn	BOOL	No	Yes	N	(Y/N)
Date	DATE	No	Yes	None	YMD
Time	TIME	No	Yes	None	HMS

(d) ARRIVAL