

UNORMALIZED	NORMALIZING PATIENT INFORMATION / ANIMAL RECORD INFORMATION	
ANIMAL/PATIENT RECORD FORM	1st normal	2nd normal
name_of_owner	name_of_owner	name_of_owner
contact_number	contact_number	contact_number
name_of_pet	name_of_pet	name_of_pet
breed	breed	PHYSICAL PET INFORMATION
color / markings	color / markings	name_of_pet
age_or_birthday	age_or_birthday	breed
gender	gender	color / markings
neutered / spayed	neutered / spayed	age_or_birthday
VetVisitDate	DHPP	gender
VisitWeight	Lepto	DHPP
VisitTemp	Bordetella	Lepto
VisitBP	Rabies	Bordetella
VisitPulse	Lyme	Rabies
VisitRespiration	Giardia	Lyme
VisitPain	Fecal Exam	Giardia
VisitVetInitials	Heartworm test	Fecal Exam
imm. Date	heartworm prevention	Heartworm test
Imm. Type	heartworm prevention description	Heartworm prevention
Imm. NextDate	time spent outside	Heartworm prevention description
Imm. Details	MEDICAL HISTORY	time spent outside
Allergy Conditions	name_of_owner	NEUTER / SPAYED INFO
Allergy Details	contact_number	Gender
Surgical Date	name_of_pet	neutered / spayed
Surgical Procedures	Imm. Date	MEDICAL PET INFORMATION
surgical details	Imm. Type	name_of_owner
DHPP	Imm. NextDate	contact_number
Lepto	Imm. Details	name_of_pet
Bordetella	Allergy Conditions	MEDICAL PET INFORMATION
Rabies	Allergy Details	name_of_pet
Lyme	Surgical Date	Imm. Date
Giardia	Surgical Procedures	Imm.Details
Fecal Exam	Surgical Details	AllergyConditions
Heartworm test	other vaccinations	Allergy Details
other vaccinations	VetVisitDate	Surgical Date
heartworm prevention	VisitWeight	IMMUNIZATION HISTORY
heartworm prevention description	VisitTemp	Imm. Date
time spent outside	VisitBP	Imm. Type
	VisitPulse	Imm. NextDate
	VisitRespiration	SURGICAL HISTORY
	VisitPain	Surgical Date
	VisitVetInitials	Surgical Procedures
		Surgical Details
		VET VISIT HISTORY
		VetVisitDate
		VisitWeight
		VisitTemp
		VisitBP
		VisitPulse
		VisitRespiration
		VisitPain
		VisitVetInitials

1st normal form goal: Pull out the repeating group and put it in its own relation
after this you need to define a primary key for the two relations, make sure you tie the two relations together: Parent to child relationship

2nd normal form: check for all relations and if they have a composite primary key then you have to make sure non of the non key attributes are not functionally dependant on either parts of the composite key, if they are then you need to make a new relation

3rd normal form: Ask yourself do i have any non-key attribtues that functionally dependent on any other non-key attribtues? if so,
** look at all the relations separetly

definition of functionally dependant: One attribute directly determines another attribute