

## Normalization Exercise 1

### HEALTH HISTORY REPORT

PET ID	PET NAME	PET TYPE	PET AGE	OWNER	VISIT DATE	Procedure No	PROCEDURE
246	ROVER	DOG	12	SAM COOK	JAN 13/2002 MAR 27/2002	01 - 10 -	RABIES VACCINATION EXAMINE and TREAT
	WOUND				APR 02/2002	05 -	HEART WORM TEST
298	SPOT	DOG	2	TERRY KIM	JAN 21/2002 MAR 10/2002	08 - 05 -	TETANUS VACCINATION HEART WORM TEST
341	MORRIS	CAT	4	SAM COOK	JAN 23/2001 JAN 13/2002	01 - 01 -	RABIES VACCINATION RABIES VACCINATIO
519	TWEEDY	BIRD	2	TERRY KIM	APR 30/2002 APR 30/2002	20 - 12 -	ANNUAL CHECK UP EYE WASH

**UNF:**

Pet [ pet\_id, pet\_name, pet\_type, pet\_age, owner, visitdate, procedure\_no, procedure\_name ]

**1NF:**

Pet [ pet\_id, pet\_name, pet\_type, pet\_age, owner ]

Pet\_Visit [ visit\_id, pet\_id, visitdate, procedure\_no, procedure\_name ]

note: a procedure may occur on multiple dates, therefore visitdate is included as part of the key

**2NF:**

Pet [ pet\_id, pet\_name, pet\_type, pet\_age, owner ]

Pet\_Visit [ visit\_id, pet\_id, visitdate, procedure\_no ]

Procedure [ procedure\_no, procedure\_name ]

**3NF:**

Pet [ pet\_id, pet\_name, pet\_type, pet\_age, ]

Pet\_Visit [ visit\_id, pet\_id, visitdate, procedure\_no ]

Procedure [ procedure\_no, procedure\_name ]

Owner[**OwnerID**, Owner, pet\_id]: