

## Normalization Exercise 1

### HEALTH HISTORY REPORT

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