

CIS8040 Spring 2010 Assignment #3

Due date: Feb 9, 2010

Instruction

This assignment is to help you practice normalization.

Normalize the relation up to the 3NF, and list any important assumptions and functional dependencies.

1. Pet Report

PET ID	PET NAME	PET TYPE	PET AGE	OWNER	VISIT DATE	PROCEDURE
246	ROVER	DOG	12	SAM COOK	JAN 13/2002	01 - RABIES VACCINATION
					MAR 27/2002	10 - EXAMINE and TREAT WOUND
					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 VACCINATION
519	TWEEDY	BIRD	2	TERRY KIM	APR 30/2002	20 - ANNUAL CHECK UP
					APR 30/2002	12 - EYE WASH

2. Good News Grocers

User View 1: Price Update List. This report is used by the department managers to update the prices that are displayed in the grocery store for these products.

Department	Product Code	Aisle Number	Price	Unit of Measure
Produce	4081	1	0.35	lb
Produce	4027	1	0.90	ea
Produce	4108	1	1.99	lb
Butcher	331100	5	1.50	lb
Butcher	331105	5	2.40	lb
Butcher	332110	5	5.00	lb
Freezer	411100	6	1.00	ea
Freezer	521101	6	1.00	ea
Freezer	866503	6	5.00	ea
Freezer	866504	6	5.00	ea

User View 2: Product Cost Report. This report is used by the grocery store manager to determine the final selling price of his products.

Supplier	Product	Cost	Sale Price	Dept Code
21 – Very Veggie	4108 – tomatoes, plum	1.89	1.99	PR
32 – Fab Fruits	4081 – bananas	0.20	0.35	PR
32 – Fab Fruits	4027 – grapefruit	0.45	0.90	PR
32 – Fab Fruits	4851 – celery	1.00	2.00	PR
08 – Meats R Us	331100 – chicken wings	0.50	1.50	BU
08 – Meats R Us	331105 – lean ground beef	0.60	2.40	BU
08 – Meats R Us	332110 – boneless chicken breasts	2.50	5.00	BU
10 – Jerry’s Juice	411100 – orange juice	0.25	1.00	FR
10 – Jerry’s Juice	521101 – apple juice	0.25	1.00	FR
45 – Icey Creams	866503 – vanilla ice cream	2.50	5.00	FR
45 – Icey Creams	866504 – chocolate ice cream	2.50	5.00	FR

Submissions

Put your answers in a Word or PDF document and submit it in myRobinson. Follow the file name format like this: assignment3-YourLastName.docx