

(Hand - Written)

x — Class Participation — x

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 Class: BSE-4B
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 Subject: Database Systems

x — (UNF): — x

~~Schema:~~
~~Invoice (invoice-no, invoice-date, cust-name, cust-addr, (pet-name, procedure, amount))~~

Schema:

Invoice (invoice-no, invoice-date, cust-name, cust-addr, (pet-name, procedure, amount)).

Tables:

invoice-no	invoice-date	cust-name	cust-addr	(pet-name, procedure, amount)
987	Jan 13/2002	Mr Richard Cook	123 This street My City, Ontario	Rover, Rabies Vaccination, 30.00
				Mossie, Rabies Vaccination, 24.00

x — (INF): — x

Schema:

- Invoice (invoice-no, invoice-date, cust-name, cust-addr)
- Invoice-Pet (invoice-no, pet-id, pet-name, procedure, amount)

Tables:

invoice-no	invoice-date	cust-name	cust-addr
987	Jan 13/2002	Mr Richard Cook	Ontario

•)

<u>invoice-no</u>	<u>pet-id</u>	pet-name	procedure	amount
987	001	Rover	Rabies Vaccine	30.0
987	002	Morris	Rabies Vaccine	24.0

x - (2NF) - x

Schema:

- Invoice (invoice-no, invoice-date, cust-name, cust-addr)
- Invoice-Pet (invoice-no, pet-id, procedure, amount)
- Pet (pet-id, pet-name)

Tables:

•)

<u>invoice-no</u>	invoice-date	cust-name	cust-addr
987	Jan 13/2002	Mr Richard Cook	Ontario

•)

<u>invoice-no</u>	<u>pet-id</u>	procedure	amount
987	001	Rabies Vaccine	30.0
987	002	Rabies Vaccine	24.0

•)

<u>pet-id</u>	pet-name
001	Rover
002	Morris

x - (3NF) - x

- Invoice (invoice-no, invoice-date, cust-no(FK))
- Invoice-Pet (invoice-no (FK), pet-id (FK), procedure, amount)

•> Pet (pet-id, pet-name)

•> Customer (cust-no, cust-name, cust-street, cust-city, cust-postal)

Tables

•>

invoice-no	invoice-date	cust-no (FK)
987	Jan 13/2002	1

•>

invoice-no (FK)	Pet-id (FK)	procedure	amount
987	001	Rabies Vaccine	30.00
987	002	Rabies Vaccine	24.00

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pet-id	pet-name
001	Rover
002	Mossie

•>

cust-no	cust-name	street	cust-city	cust-postal
1	Mr Richard Cook	123 this street	Ontario	

Notes Here FK is used to differentiate Foreign Keys from other tables etc.
In the schema, schema is designed & in tables data is entered in the same order as the defined schema.

