

Assignment No 2

PROG 8080-22F

Programming Database Management

Submitted By;

Basavraj Jaliminche

8800149

Q.1 • You need to save your normalized data for this Assignment as an a2_XX.pdf (where XX is your initials) file.

- You need to make sure that you add the following header comments on top of your file: --

a2_XX -- Assignment 2

-- Revision History:

-- Student Name, Section 7, YYYY.MM.DD: Created

-- Student Name, Section 7, YYYY.MM.DD: Updated

Gallery Customer History Form

Customer Name

Jackson, Elizabeth
123 – 4th Avenue
Fonthill, ON
L3J 4S4

Phone (206) 284-6783

Purchases Made

Artist	Title	Purchase Date	Sales Price
03 - Carol Channing	Laugh with Teeth	09/17/2000	7000.00
15 - Dennis Frings	South toward Emerald Sea	05/11/2000	1800.00
03 - Carol Channing	At the Movies	02/14/2002	5550.00
15 - Dennis Frings	South toward Emerald Sea	07/15/2003	2200.00

The Gill Art Gallery wishes to maintain data on their customers, artists and paintings. They may have several paintings by each artist in the gallery at one time. Paintings may be bought and sold several times. In other words, the gallery may sell a painting, then buy it back later and sell it to another customer. Normalize the data based on the information above as much as possible as UNF, 1NF, etc. Provide any justification as needed wherever necessary.

Ans:

-- a2_BJ -- Assignment 2

-- Revision History:

-- Basavraj Jaliminche (8800149), Section 7, 2022.10.23: Created

-- Basavraj Jaliminche (8800149), Section 7, 2022.10.23: Updated

UNF:

customer

[custno,

cust_name,

cust_addr,

cust_phone,

(artist_id,

artist_name,

art_title,

pur_date,

price)]

1NF:

customer [custno,

cust_name,

cust_addr,

cust_phone]

cust_art [custno,

art_code,

pur_date,

artist_id,

artist_name,

art_title,

price]

2NF:

customer [custno,
cust_name,
cust_addr,
cust_phone]
cust_art [custno,
art_code,
pur_date,
price]
art [art_code,
art_title,
artist_id,
artist_name]

3NF:

customer [custno,
cust_name,
cust_street,
cust_city,
cust_prov,
cust_pstlcd,
cust_phone]
cust_art [
custno,
art_code,
pur_date,
price]

art [
art_code,
art_title,
artist_id(FK)]

artist [
artist_id,
artist_fname,
artist_lname]