

Exercise 1

UNF

Gallery Customer History Form				
Customer Details				
Jackson, Elizabeth				
Phone (206) 284-6783				
123 - 4th Avenue				
Fonthill				
Zip Code: L3J 4S4				
Purchases Made				
Code	Artist	Painting code and Title	Purchase Date	Sales Price
03 -	Carol Channing	P1 - Laugh with Teeth	09/17/2000	7000.00
15 -	Dennis Frings	P2 - Toward Emerald Sea 0	5/11/2000	1800.00
03 -	Carol Channing	P9 - At the Movies	02/14/2002	5550.00
15 -	Dennis Frings	P2 - Toward Emerald Sea	07/15/2003	2200.00

1NF

first we remove any repeating groups to move it into 1nf

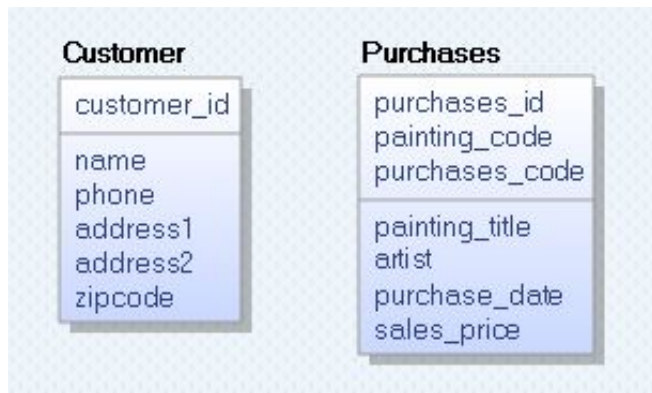
Code	Artist	Painting code and Title	Purchase Date
03 -	Carol Channing	P1	09/17/2000
		P9	02/13/2002
15 -	Dennis Frings	P2	05/11/2000
		P2	07/16/2003



2NF

as 1nf appears to be 2 tables sqashed into one we seperate them into customer and

purchases tables and give primary keys to them both, reducing dependencies



3NF

relationships are established and tables are further broken down, ensuring there is no repeating data or tables

