ITEC 630 Requirements Analysis and Design for Managers
Database Tables for Homework

Background: The database table in the next page belongs to an on-line order processing system for a musical instrument store. It contains 5 tables: **Clients** (one record for every client); **Orders** (one record for every order); **Products** (one record for every product sold by the company); **LineItems** (one record for every product purchased in each order – i.e., an order may contain many line items, one for each product purchases – see the example below); and **ClientComm** (one record for every communication contact with each client – i.e., comments about every phone call, letter, e-mail, etc. from clients are recorded in this table)

Example

Purchase Order

Order No.: 990001

Client ID: alberto

Espinosa, Alberto
Old Albertown Road
Bethesds, MD 20817

Order Description: Computer system

Line Item	Product ID	Product Name	Quantity	Unit Price	Total Price
1	comp	Computer Box	10	1,999.98	19,999.80
2	monit	Computer Display	10	374.85	3,748.50
3	keyb	Ergonomic Keyboard	12	119.98	1,199.80
4	mou	3 Button Mouse	12	44.85	448.50

Order Total   25,396.60

Clients

ClientID	ClientName	Address	City	State	ZipCode	Telephone
alberto	Espinosa, Alberto	Old Albertown Road	Bethesda	MD	20817	3018851958
carmel	Carmel, Erran	By the River Road	Washington	DC	20016	3013334444
delone	Delone, William	Rockville Pike	Rockville	MD	20776	3012223333
glee	Lee, Gwanhoo	Wizard Lane	Fairfax	VA	26777	2028851958
klein	Klein, Jill	Kleinhill Road	Potomac	MD	20088	7034445555

Orders

OrderNo	ClientID	OrderDate	OrderDescription	OrderStatus	DeliveryDueDate
990001	alberto	6/7/2002	Computer System	Top Priority	6/10/2002
990002	carmel	6/7/2002	Another System	Medium Priority	6/11/2002
990003	delone	6/7/2002	More Systems	Low Priority	6/24/2002
990005	klein	6/7/2002	Monitors and Keyboards	Top Priority	6/7/2002
990004	glee	6/7/2002	Only CPUs	Medium Priority	6/11/2002

Products

ProdID	ProdName	ProdDescription	Price
comp	Computer	Computer Box	1999.98
keyb	Keyboard	Ergonomic Keyboard	119.98
monit	Monitor	Computer Display	374.85
mou	Mouse	3 Button Mouse	44.85
prt	Printer	Laser Printer	443.98

LineItems

OrderNo	LineItem	ProdID	Qty
990001	1	comp	10
990001	2	monit	10
990001	3	keyb	12
990001	4	mou	12
990002	1	comp	20
990002	2	monit	22
990003	1	comp	15
990003	2	keyb	16
990004	1	comp	50
990005	1	monit	12
990005	2	keyb	12

ClientComm

ClientID	Date	Comments
alberto	6/7/1999	This client acts like he has a lot of money, but he's really broke
alberto	6/8/1999	Client called to complain about nothing. Ignore him next time, needs vacation
carmel	6/10/1999	Called again to order music, but we only sell computers. He's probably teaching too much
klein	6/7/1999	Called to get specs on monitor. Please send out
glee	6/8/1999	This client acts like he is broke, but he keeps purchasing lots of stuff