DATABASE TOPIC: COMPUTER INVENTORY

This database will contain user's computers inventory in a company. IT department requires to hold data for some essential components to provide a fast response if replacement/upgrade is required.

A computer can have multiple components but a component can belong only to 1 computer. (1:M) Each computer can only be assigned to one user/employee and one user can only be responsable for one computer (1:1)

TABLE COMPUTER		
Column	**Datatype**	**Description**
computer_id	char(6)	PK
type	char(i)	1=laptop, 2=desktop
acquisition_date	date	to calculate useful life and service dates
assigned	boolean	0=assigned 1=unassigned to a user
status	char(1)	S=stock, R=in repair, D=discarded, A=assigned and fully operating
cost	decimal(7,2)	accountants requirement
TABLE COMPONENTS		
Column	**Datatype**	**Description**
part_sn	varchar(50)	part serialnumber (PK)
part_type	char(1)	1=drive, 2=cpu, 3=ram, 4=nic
spare_pn	varchar(25)	manufacturer/provider spare part number/id
part_desc	varchar(50)	component description
computer_id	char(6)	points to computer it belongs to (FK)
TABLE USER		
Column	**Datatype**	**Description**
user id	varchar(5)	PK
first_name	varchar(50)	
last_name	varchar(50)	
phone_number	varchar(20)	
computer_id	char(6)	computer assigned to user (FK)
assingment_date	date	when the computer is assigned to user
department	varchar(20)	"sales, warehouse, accounting, etc"

ENTITY – RELATIONSHIP DIAGRAM