ONF: Service (Ticket No. Service Begin, Service End. Tech Begin Time, End Time, Cust Last, Cust First, Cust Address, Cust City, Cust State, Cust Zip, Loc Desc, Loc Address, Loc City, Loc State, Loc Zip, (Machine Serial, Cust Comments, Tech Comments, (Task Num, Task Name, Parts, Time, Labor Cost, Equipment Cost) INF. Service (Ticket No, Service Begin, Service End, Tech, Begin Time, End Time, Ecust Last, Cust First, Cust Address, Cust City, Cust State, Cust Zip Loc Desc, Loc Address, Loc City, Loc State, Loc Zip) Service Repair (TicketNo, Machine Sevial, Cust Comments, Tech Comments) Repair Lask (Machine Serial, Task Num, Task Nume, Parts, Time, Labor Cost, Equipment Cost) 2Nt Service - Same as' INT Service Repair - Samelas INI= Repair Task (Machine Serial, Task Num, Parts, Time, Labor Cost, Equipment Cost) Task (Task Num, Task Name) 3NF, Service (Ticket No, Service Begin, Service End, Tech ID, Begin Time, EndTime, Cust ID, Loc ID) Technician (Tech ID, Last, First) Customer (Cust ID, Last, First, Address, City, State, Zip)

The form is for a Service Request. A technician fills out the form to begin the service ticket. Notice that a customer may have service tickets for different offices (locations), but there would need to be a separate ticket created for each location. The service ticket for a location would describe the list of tasks to be performed on machine(s) at that location. The tasks and equipment are predefined. Labor charges are predefined by the task. Create the set of normalized tables to support this form.

Acme Computing Services

Service Request

Service Ticket No.: 03170301 Service Begin Date: 01-16-10

Technician: Mike Green Begin Time: 13:30 End Time:

10:00

Service End Date: 01-18-10

Customer Information

Description: Office #12

Timken Enterprises 117 N. Elm

Address:

1310 S. Howard Dr.

Location

City, State, Zip:

Name:

Address:

Wichita, KS 67206

Wichita, KS 67311

Repair Tasks

Machine Serial#: 122WQP3650

Customer Comments:

Customer stated that the hard drive made a "clunking" noise and the machine will no longer boot.

Technician Comments:

The hard drive was replaced. All data from the original drive was transferred to the new drive. The fan in the power supply was faulty. The power supply was replaced.

Task	Parts	Time(hours)	Labor Cost	Equipment Cost
Diagnostics	None	.5	\$40	\$0
Hardware Installation	300W Power Supply	.25	\$10	<u>\$45</u>
Hardware Installation	320G WD hard drive	<u>.25</u>	\$10	\$120
Data Transfer	None	1.0	\$65	\$0
Machine Totals:		20	\$125	165

Repair Tasks

Machine Serial#: 125XPP3650

Customer Comments:

Customer stated that the machine will not boot. Upon power up, the machine beeps three times and freezes.

Technician Comments:

The video card was defective. A new video card was installed and configured.

Task	Parts	Time(hours)	Labor Cost	Equipment Cost
Diagnostics	None	.5	\$40	\$0
Hardware Installation	NVIDIA 3345 AGP	.25	\$10	\$119
Device configuration	None	.25	\$10	\$0
Comgara	Machine Totals:	10	\$60	\$119

Never design from a blank form.