

## **Bespoke computers**

A company, which builds computers according to customer specifications, needs a computerised system to keep track of its activities. Customer orders are for one or more computers, each one built to order.

When an order comes in from a customer, a computer specification is drawn up for each computer on the order. This specifies how a computer should be built and contains a list of parts (e.g. processor type, hard disk type, memory type, etc.) that are to be used. The computer is built according to its specifications and the specification is marked “completed”.

The parts specified are bought in from suppliers. The same type of part may be purchased from more than one supplier (e.g. a mouse can be bought from Dell, Logitech or from PC World). Each individual part purchased has a unique serial number, as well as a part type. Therefore, two screens bought from Dell will have different serial numbers, although they may have the same part type. Also, two screens, one from Dell and the other from Hewlett Packard, may, as far as the specification is concerned, be the same part type – i.e. it has the same technical specifications. However, if a part fails after delivery, the part must be traced back to the supplier who supplied it.

Bespoke Computer Company

Customer Id		55443			Order Number		7733
Customer Name		Patricia O'Byrne			Order Date		13-Nov-11
Customer Address		DIT, Kevin St.			Shipped Date		18-Nov-11
Computer	Component Type	Component Description	Serial No	Supplier	Supplier Phone	Supplier Address	
#5544554	Processor	Central Processing Unit	IN3344455	Intell	+353-1-5553321	15 Naul Rd, Dublin 27	
#5544554	Monitor	Visual Display Unit	K33554433	KompaK	+44-433333333	55 London Row, RH19, England	
#5544554	Video Card	Generates output images	GF55	Gforce	+44-532343344	Janesford Retail Pk, NW1	
#5544554	RAM Card	Random Access Memory	King667	Kingston	+44-433666554	Kingston Park, Watting	
#5544554	Sound Card	Facilitates sound	CRE120	Creative	+44-433999234	Creative Sounds, USA	
#5544554	Hard Drive	Secondary memory storage	WD40G	Western Digital	+44-436523454	Dallas Fortworth USA	
#5544554	Power Supply	Energy	C444	Corsair	+44-434345453	Manor Road London 18	
#5522222	Processor	Central Processing Unit	IN3344455	Intell	+353-1-5553321	15 Naul Rd, Dublin 27	
#5522222	Monitor	Visual Display Unit	A4225566	Aser	+353-13333333	Aser House, West Dublin	
#5522222	Video Card	Generates output images	Rad5533	Radion	+44-432222222	Baker's lane, NW22	
#5522222	RAM Card	Random Access Memory	C1.5G	Crucial	+44-431111111	Watting Park, Watting	
#5522222	Sound Card	Facilitates sound	CRE120	Creative	+44-433999234	Creative Sounds, USA	
#5522222	Hard Drive	Secondary memory storage	S40G	Seagate	+353-1-445544	Forbes retail park, D22	
#5522222	Power Supply	Energy	C444	Corsair	+44-434345453	Manor Road London 18	