

```
<order orderNo="23456" customer="John Smith"
      date="October 15, 2002">
  <item itemNo="a528" quantity="1"/>
  <item itemNo="c817" quantity="3"/>
</order>
```

from the previous section. A DTD for it looks like this:

```
<!ELEMENT order (item+)>
<!ATTLIST order
  orderNo    ID      #REQUIRED
  customer   CDATA   #REQUIRED
  date       CDATA   #REQUIRED>
<!ELEMENT item EMPTY>
<!ATTLIST item
  itemNo     ID      #REQUIRED
  quantity   CDATA   #REQUIRED
  comments   CDATA   #IMPLIED>
```

Compared to the previous example, a new aspect is that the item element type is defined to be empty. Another new aspect is the appearance of + after item in the definition of the order element type. It is one of the *cardinality operators*:

?: appears zero times or once.

*: appears zero or more times.

+: appears one or more times.

No cardinality operator means exactly once.

In addition to defining elements, we have to define attributes. This is done in an *attribute list*. The first component is the name of the element type to which the list