```
 1  <?xml version="1.0" encoding="UTF-8"?>
 2  <xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
 3    <xs:element name="ProductGraph">
 4      <xs:complexType>
 5        <xs:sequence>
 6          <xs:element name="Catalog">
 7            <xs:complexType>
 8              <xs:sequence>
 9                <xs:element name="CatalogItems">
10                  <xs:complexType>
11                    <xs:sequence>
12                      <xs:element name="CatalogItem" maxOccurs="unbounded">
13                        <xs:complexType>
14                          <xs:sequence>
15                            <xs:element name="Description" type="xs:string"/>
16                            <xs:element name="UnitCost" type="xs:double"/>
17                            <xs:element name="Comments" type="xs:string"/>
18                          </xs:sequence>
19                          <xs:attribute name="VendorId" type="xs:IDREF" use="required"/>
20                          <xs:attribute name="VendorAssignedProductId" type="xs:string" use="required"/>
21                          <xs:attribute name="Id" type="xs:ID" use="required"/>
22                        </xs:complexType>
23                      </xs:element>
24                    </xs:sequence>
25                  </xs:complexType>
26                </xs:element>
27                <xs:element name="BoxedItems">
28                  <xs:complexType>
29                    <xs:sequence>
30                      <xs:element name="BoxedItem" maxOccurs="unbounded">
31                        <xs:complexType>
32                          <xs:sequence>
33                            <xs:element name="Description" type="xs:string"/>
34                            <xs:element name="UnitCost" type="xs:double"/>
35                            <xs:element name="Comments" type="xs:string"/>
36                            <xs:element name="BoxCost" type="xs:int"/>
37                            <xs:element name="UnitsInBox" type="xs:int"/>
38                          </xs:sequence>
39                          <xs:attribute name="VendorId" type="xs:IDREF" use="required"/>
40                          <xs:attribute name="VendorAssignedProductId" type="xs:string" use="required"/>
41                          <xs:attribute name="Id" type="xs:ID" use="required"/>
42                        </xs:complexType>
43                      </xs:element>
44                    </xs:sequence>
```

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45                        </xs:complexType>
46                      </xs:element>
47                      <xs:element name="VolumeItems">
48                        <xs:complexType>
49                          <xs:sequence>
50                            <xs:element name="VolumeItem" maxOccurs="unbounded">
51                              <xs:complexType>
52                                <xs:sequence>
53                                  <xs:element name="Description" type="xs:string"/>
54                                  <xs:element name="UnitCost" type="xs:double"/>
55                                  <xs:element name="Comments" type="xs:string"/>
56                                  <xs:element name="MinimumVolume" type="xs:int"/>
57                                  <xs:element name="UnitOfMeasure" type="xs:string"/>
58                                </xs:sequence>
59                                <xs:attribute name="VendorId" type="xs:IDREF" use="required"/>
60                                <xs:attribute name="VendorAssignedProductId" type="xs:string" use="required"/>
61                                <xs:attribute name="Id" type="xs:ID" use="required"/>
62                              </xs:complexType>
63                            </xs:element>
64                          </xs:sequence>
65                        </xs:complexType>
66                      </xs:element>
67                    </xs:sequence>
68                  </xs:complexType>
69                </xs:element>
70                <xs:element name="Inventory">
71                  <xs:complexType>
72                    <xs:sequence>
73                      <xs:element name="InventoryItems">
74                        <xs:complexType>
75                          <xs:sequence>
76                            <xs:element name="InventoryItem" maxOccurs="unbounded">
77                              <xs:complexType>
78                                <xs:sequence>
79                                  <xs:element name="QtyOnHand" type="xs:int"/>
80                                  <xs:element name="ReOrderPoint" type="xs:int"/>
81                                  <xs:element name="ReOrderQuantity" type="xs:int"/>
82                                  <xs:element name="Comments" type="xs:string"/>
83                                </xs:sequence>
84                                <xs:attribute name="LocationId" type="xs:IDREF" use="required"/>
85                                <xs:attribute name="Id" type="xs:ID" use="required"/>
86                                <xs:attribute name="CatalogItemId" type="xs:IDREF" use="required"/>
87                              </xs:complexType>
88                            </xs:element>
```

```
 89                         </xs:sequence>
 90                       </xs:complexType>
 91                     </xs:element>
 92                     <xs:element name="Locations">
 93                       <xs:complexType>
 94                         <xs:sequence>
 95                           <xs:element name="Location" maxOccurs="unbounded">
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 97                               <xs:sequence>
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 99                                 <xs:element name="Description" type="xs:string"/>
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101                               <xs:attribute name="Id" type="xs:ID" use="required"/>
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103                           </xs:element>
104                         </xs:sequence>
105                       </xs:complexType>
106                     </xs:element>
107                   </xs:sequence>
108                 </xs:complexType>
109               </xs:element>
110               <xs:element name="Suppliers">
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112                   <xs:sequence>
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115                         <xs:sequence>
116                           <xs:element name="Name" type="xs:string"/>
117                           <xs:element name="PointOfContact" type="xs:string"/>
118                           <xs:element name="PhoneNumber" type="xs:string"/>
119                           <xs:element name="Comments" type="xs:string"/>
120                           <xs:element name="Addresses">
121                             <xs:complexType>
122                               <xs:sequence>
123                                 <xs:element name="Address">
124                                   <xs:complexType>
125                                     <xs:sequence>
126                                       <xs:element name="Street" type="xs:string"/>
127                                       <xs:element name="City" type="xs:string"/>
128                                       <xs:element name="State" type="xs:string"/>
129                                       <xs:element name="Zip" type="xs:string"/>
130                                     </xs:sequence>
131                                   </xs:complexType>
132                                 </xs:element>
```

```xml
133                                </xs:sequence>
134                              </xs:complexType>
135                            </xs:element>
136                          </xs:sequence>
137                          <xs:attribute name="Id" type="xs:ID" use="required"/>
138                        </xs:complexType>
139                      </xs:element>
140                    </xs:sequence>
141                  </xs:complexType>
142                </xs:element>
143              </xs:sequence>
144            </xs:complexType>
145          </xs:element>
146        </xs:schema>
147
```

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