

DTD for Purchase Order

```
<?xml version="1.0" encoding="UTF-8"?>

<!--Sample Purchase Order Schema File used in Class SWE642-->
<!ELEMENT PurchaseOrder (RequisitionNo, Product+, PointOfContact)>
<!ELEMENT RequisitionNo (#PCDATA)>
<!ELEMENT Product (SkuNo, Name, Quantity, UnitPrice, TotalPrice)>
<!ELEMENT SkuNo (#PCDATA)>
<!ELEMENT Name (#PCDATA)>
<!ELEMENT Quantity (#PCDATA)>
<!ELEMENT UnitPrice (#PCDATA)>
<!ELEMENT TotalPrice (#PCDATA)>
<!ELEMENT PointOfContact (ContactName, Company, Phone, Fax, Email, Address, City, State,
ZipCode)>
<!ELEMENT ContactName (#PCDATA)>
<!ELEMENT Company (#PCDATA)>
<!ELEMENT Phone (#PCDATA)>
<!ELEMENT Fax (#PCDATA)>
<!ELEMENT Email (#PCDATA)>
<!ELEMENT Address (#PCDATA)>
<!ELEMENT City (#PCDATA)>
<!ELEMENT State (#PCDATA)>
<!ELEMENT ZipCode (#PCDATA)>
```

Purchase Order Example with DTD

```
<?xml version="1.0" encoding="UTF-8"?>
<!--Sample XML file generated by XMLSpy v2007 rel. 3 (http://www.altova.com)-->
<!DOCTYPE PurchaseOrder SYSTEM "PurchaseOrder.dtd">
<PurchaseOrder>
  <RequisitionNo>text</RequisitionNo>
  <Product>
    <SkuNo>text</SkuNo>
    <Name>text</Name>
    <Quantity>text</Quantity>
    <UnitPrice>text</UnitPrice>
    <TotalPrice>text</TotalPrice>
  </Product>
  <PointOfContact>
    <ContactName>text</ContactName>
    <Company>text</Company>
    <Phone>text</Phone>
    <Fax>text</Fax>
    <Email>text</Email>
    <Address>text</Address>
    <City>text</City>
    <State>text</State>
    <ZipCode>text</ZipCode>
  </PointOfContact>
</PurchaseOrder>
```

XML Schema for Purchase Order

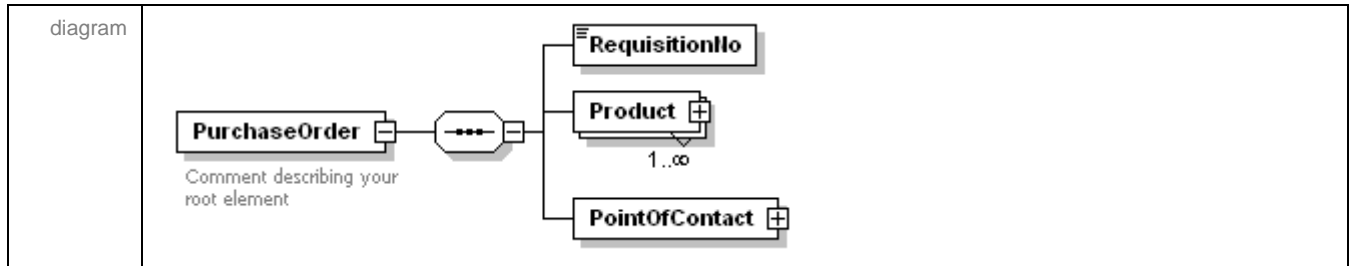
```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xs:element name="PurchaseOrder">
    <xs:annotation>
      <xs:documentation>Sample Purchase Order Schema File used in
Class SWE642</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="RequisitionNo" type="xs:string"/>
        <xs:element name="Product" maxOccurs="unbounded">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="SkuNo"
type="xs:string"/>
              <xs:element name="Name"
type="xs:string"/>
              <xs:element name="Quantity"
type="xs:positiveInteger"/>
              <xs:element name="UnitPrice"
type="xs:float"/>
              <xs:element name="TotalPrice"
type="xs:float"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="PointOfContact">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="ContactName"
type="xs:string"/>
              <xs:element name="Company"
type="xs:string"/>
              <xs:element name="Phone"
type="xs:string"/>
              <xs:element name="Fax"
type="xs:string"/>
              <xs:element name="Email"
type="xs:string"/>
              <xs:element name="Address"
type="xs:string"/>
              <xs:element name="City"
type="xs:string"/>
              <xs:element name="State"
type="xs:string"/>
              <xs:element name="ZipCode"
type="xs:string"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

Purchase Order Example with XML Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<PurchaseOrder xsi:noNamespaceSchemaLocation="PurchaseOrder.xsd"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <RequisitionNo>485321</RequisitionNo>
  <Product>
    <SkuNo>U2322</SkuNo>
    <Name>Canon PowerShot 250 Digital Camera</Name>
    <Quantity>2</Quantity>
    <UnitPrice>240.00</UnitPrice>
    <TotalPrice>480.00</TotalPrice>
  </Product>
  <PointOfContact>
    <ContactName>Nick Duan</ContactName>
    <Company>Component Software Solutions, Inc</Company>
    <Phone>7035526780</Phone>
    <Fax>7035526430</Fax>
    <Email>nduan@css.com</Email>
    <Address>550 Elden Street</Address>
    <City>Herndon</City>
    <State>VA</State>
    <ZipCode>20171</ZipCode>
  </PointOfContact>
</PurchaseOrder>
```

Schema **PurchaseOrder.xsd**element **PurchaseOrder**element **PurchaseOrder/RequisitionNo**element **PurchaseOrder/Product**element **PurchaseOrder/PointOfContact**