

XML Schema Import Rules

XML Schemas can be imported directly if they are in namespace <http://www.w3.org/2001/XMLSchema>. To import the following schema, use the importer of the BUILDER (see [Importing WSDL or XSD](#)).

Related Pages:

- [Import of Complex XSD Type Definitions, Element and Attribute Declarations](#)
- [Import of Simple XSD Types](#)
- [Import of Anonymous XSD Type Definitions](#)
- [Import of the XSD Element Content](#)
- [Import of XSD Annotations](#)
- [Building Content Models](#)
- [Import of XSD Attribute Groups](#)
- [Import of XSD Nil Values](#)
- [Import of the XSD Namespace](#)
- [Import of Complex XSD Type Deriving from a Simple Type](#)
- [Importing WSDL or XSD](#)

```

<?xml version="1.0"?>
<xsd:schema targetNamespace="urn: PurchaseOrderNS"
  xmlns:typens="urn: PurchaseOrderNS"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified">
  <xsd:annotation>
    <xsd:documentation xml:lang="en">
      Purchase order schema for Example.com.
      Copyright 2000 Example.com. All rights reserved.
    </xsd:documentation>
  </xsd:annotation>

  <xsd:element name="purchaseOrder" type="typens:PurchaseOrderType"/>
  <xsd:element name="comment" type="xsd:string"/>

  <xsd:complexType name="PurchaseOrderType">
    <xsd:sequence>
      <xsd:element name="shipTo" type="typens:USAddress"/>
      <xsd:element name="billTo" type="typens:USAddress"/>
      <xsd:element ref="typens:comment" minOccurs="0"/>
      <xsd:element name="items" type="typens:Items"/>
    </xsd:sequence>
    <xsd:attribute name="orderDate" type="xsd:date"/>
  </xsd:complexType>

  <xsd:complexType name="USAddress">
    <xsd:sequence>
      <xsd:element name="name" type="xsd:string"/>
      <xsd:element name="street" type="xsd:string"/>
      <xsd:element name="city" type="xsd:string"/>
      <xsd:element name="state" type="xsd:string"/>
      <xsd:element name="zip" type="xsd:decimal"/>
    </xsd:sequence>
    <xsd:attribute name="country" type="xsd:NMTOKEN" fixed="US"/>
  </xsd:complexType>

  <xsd:complexType name="Items">
    <xsd:sequence>
      <xsd:element name="item" minOccurs="0" maxOccurs="unbounded">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="productName" type="xsd:string"/>
            <xsd:element name="quantity">
              <xsd:simpleType>
                <xsd:restriction base="xsd:positiveInteger">
                  <xsd:maxExclusive value="100"/>
                </xsd:restriction>
              </xsd:simpleType>
            </xsd:element>
            <xsd:element name="USPrice" type="xsd:decimal"/>
            <xsd:element ref="typens:comment" minOccurs="0"/>
            <xsd:element name="shipDate" type="xsd:date"
              minOccurs="0"/>
          </xsd:sequence>
          <xsd:attribute name="partNum" type="typens:SKU"
            use="required"/>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>

  <!-- Stock Keeping Unit, a code for identifying products -->
  <xsd:simpleType name="SKU">
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="\d{3}-[A-Z]{2}"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:schema>

```

The following sections explain step by step how the Importer maps the above schema to UML. For more details about XML Schemas, refer to the XML Schema specification.