

Messages

Messages consist of one or more logical parts. Each part is associated with a type from a type system using a message-typing attribute. The set of message-typing attributes is extensible.

WSDL defines several such message-typing attributes for use with XSD:

- **element**: an XSD element using a QName.
- **type**: an XSD simpleType or complexType using a QName.

Other message-typing attributes may be defined as long as they use a namespace different from that of WSDL. Binding extensibility elements may also use message-typing attributes.

Example

Code

```
<definitions name="StockQuote"
targetNamespace="http://example.com/stockquote.wsdl"
  xmlns:tns="http://example.com/stockquote.wsdl"
  xmlns:xsd="http://example.com/stockquote.xsd"
  xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
  xmlns="http://schemas.xmlsoap.org/wsdl/">

  <types>
    <schema targetNamespace="http://example.com/stockquote.xsd"
      xmlns="http://www.w3.org/2000/10/XMLSchema">
      <element name="TradePriceRequest">
        <complexType>
          <all>
            <element name="tickerSymbol" type="string"/>
          </all>
        </complexType>
      </element>
      <element name="TradePrice"> <complexType>
        <all>
          <element name="price" type="float"/>
        </all>
      </complexType>
    </element>
  </schema>
</types>
<message name="GetLastTradePriceInput">
  <part name="body" element="xsd:TradePriceRequest"/>
</message>
<message name="GetLastTradePriceOutput">
  <part name="body" element="xsd:TradePrice"/>
</message>
</definitions>
```

Reversed UML model:

