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:xsd1="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="xsd1:TradePriceRequest"/>
        </message>
        <message name="GetLastTradePriceOutput">
                <part name="body" element="xsd1:TradePrice"/>
        </message>
</definitions>
```

Reversed UML model:

