| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XmlValue.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/xml/bind/annotation/XmlType.DEFAULT.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/annotation/XmlValue.html)    [**NO FRAMES**](http://docs.google.com/XmlValue.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: REQUIRED | OPTIONAL | DETAIL: ELEMENT |

## **javax.xml.bind.annotation**

Annotation Type XmlValue

[@Retention](http://docs.google.com/java/lang/annotation/Retention.html)([value](http://docs.google.com/java/lang/annotation/Retention.html#value())=[RUNTIME](http://docs.google.com/java/lang/annotation/RetentionPolicy.html#RUNTIME))  
[@Target](http://docs.google.com/java/lang/annotation/Target.html)([value](http://docs.google.com/java/lang/annotation/Target.html#value())={[FIELD](http://docs.google.com/java/lang/annotation/ElementType.html#FIELD),[METHOD](http://docs.google.com/java/lang/annotation/ElementType.html#METHOD)})  
public @interface **XmlValue**

Enables mapping a class to a XML Schema complex type with a simpleContent or a XML Schema simple type.

**Usage:**

The @XmlValue annotation can be used with the following program elements:

* a JavaBean property.
* non static, non transient field.

See "Package Specification" in javax.xml.bind.package javadoc for additional common information.

The usage is subject to the following usage constraints:

* At most one field or property can be annotated with the @XmlValue annotation.
* @XmlValue can be used with the following annotations: [XmlList](http://docs.google.com/javax/xml/bind/annotation/XmlList.html). However this is redundant since [XmlList](http://docs.google.com/javax/xml/bind/annotation/XmlList.html) maps a type to a simple schema type that derives by list just as [XmlValue](http://docs.google.com/javax/xml/bind/annotation/XmlValue.html) would.
* If the type of the field or property is a collection type, then the collection item type must map to a simple schema type.
* If the type of the field or property is not a collection type, then the type must map to a XML Schema simple type.

If the annotated JavaBean property is the sole class member being mapped to XML Schema construct, then the class is mapped to a simple type. If there are additional JavaBean properties (other than the JavaBean property annotated with @XmlValue annotation) that are mapped to XML attributes, then the class is mapped to a complex type with simpleContent.

**Example 1:**  Map a class to XML Schema simpleType

// Example 1: Code fragment  
 public class USPrice {  
 @XmlValue  
 public java.math.BigDecimal price;  
 }  
   
 <!-- Example 1: XML Schema fragment -->  
 <xs:simpleType name="USPrice">  
 <xs:restriction base="xs:decimal"/>  
 </xs:simpleType>

**Example 2:**  Map a class to XML Schema complexType with with simpleContent.

// Example 2: Code fragment  
 public class InternationalPrice {  
 @XmlValue  
 public java.math.BigDecimal price;  
   
 @XmlAttribute  
 public String currency;  
 }  
   
 <!-- Example 2: XML Schema fragment -->  
 <xs:complexType name="InternationalPrice">  
 <xs:simpleContent>  
 <xs:extension base="xs:decimal">  
 <xs:attribute name="currency" type="xs:string"/>  
 </xs:extension>  
 </xs:simpleContent>  
 </xs:complexType>

**Since:** JAXB2.0 **See Also:**[XmlType](http://docs.google.com/javax/xml/bind/annotation/XmlType.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XmlValue.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| SUMMARY: REQUIRED | OPTIONAL | DETAIL: ELEMENT |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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