| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XmlEnumValue.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/XmlEnum.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/annotation/XmlID.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/annotation/XmlEnumValue.html)    [**NO FRAMES**](http://docs.google.com/XmlEnumValue.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [REQUIRED](#3znysh7) | OPTIONAL | DETAIL: [ELEMENT](#2et92p0) |

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

Annotation Type XmlEnumValue

[@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))  
public @interface **XmlEnumValue**

Maps an enum constant in [Enum](http://docs.google.com/java/lang/Enum.html) type to XML representation.

**Usage**

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

* enum constant

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

This annotation, together with [XmlEnum](http://docs.google.com/javax/xml/bind/annotation/XmlEnum.html) provides a mapping of enum type to XML representation.

An enum type is mapped to a schema simple type with enumeration facets. The schema type is derived from the Java type specified in @XmlEnum.value(). Each enum constant @XmlEnumValue must have a valid lexical representation for the type @XmlEnum.value()

In the absence of this annotation, [Enum.name()](http://docs.google.com/java/lang/Enum.html#name()) is used as the XML representation.

**Example 1:** Map enum constant name -> enumeration facet

//Example: Code fragment  
 @XmlEnum(String.class)  
 public enum Card { CLUBS, DIAMONDS, HEARTS, SPADES }  
  
 <!-- Example: XML Schema fragment -->  
 <xs:simpleType name="Card">  
 <xs:restriction base="xs:string"/>  
 <xs:enumeration value="CLUBS"/>  
 <xs:enumeration value="DIAMONDS"/>  
 <xs:enumeration value="HEARTS"/>  
 <xs:enumeration value="SPADES"/>  
 </xs:simpleType>

**Example 2:** Map enum constant name(value) -> enumeration facet

//Example: code fragment  
 @XmlType  
 @XmlEnum(Integer.class)  
 public enum Coin {   
 @XmlEnumValue("1") PENNY(1),  
 @XmlEnumValue("5") NICKEL(5),  
 @XmlEnumValue("10") DIME(10),  
 @XmlEnumValue("25") QUARTER(25) }  
  
 <!-- Example: XML Schema fragment -->  
 <xs:simpleType name="Coin">  
 <xs:restriction base="xs:int">  
 <xs:enumeration value="1"/>  
 <xs:enumeration value="5"/>  
 <xs:enumeration value="10"/>  
 <xs:enumeration value="25"/>  
 </xs:restriction>  
 </xs:simpleType>

**Example 3:** Map enum constant name -> enumeration facet

//Code fragment  
 @XmlType  
 @XmlEnum(Integer.class)  
 public enum Code {  
 @XmlEnumValue("1") ONE,  
 @XmlEnumValue("2") TWO;  
 }  
   
 <!-- Example: XML Schema fragment -->  
 <xs:simpleType name="Code">  
 <xs:restriction base="xs:int">  
 <xs:enumeration value="1"/>  
 <xs:enumeration value="2"/>  
 </xs:restriction>  
 </xs:simpleType>

**Since:** JAXB 2.0

| **Required Element Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**value**](http://docs.google.com/javax/xml/bind/annotation/XmlEnumValue.html#value()) |

| **Element Detail** |
| --- |

### value

public abstract [String](http://docs.google.com/java/lang/String.html) **value**

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XmlEnumValue.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/XmlEnum.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/annotation/XmlID.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/annotation/XmlEnumValue.html)    [**NO FRAMES**](http://docs.google.com/XmlEnumValue.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [REQUIRED](#3znysh7) | OPTIONAL | DETAIL: [ELEMENT](#2et92p0) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).