| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XmlMixed.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/XmlMimeType.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/annotation/XmlNs.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/annotation/XmlMixed.html)    [**NO FRAMES**](http://docs.google.com/XmlMixed.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: REQUIRED | OPTIONAL | DETAIL: ELEMENT |

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

Annotation Type XmlMixed

[@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 **XmlMixed**

Annotate a JavaBean multi-valued property to support mixed content.

The usage is subject to the following constraints:

* can be used with @XmlElementRef, @XmlElementRefs or @XmlAnyElement

The following can be inserted into @XmlMixed annotated multi-valued property

* XML text information items are added as values of java.lang.String.
* Children element information items are added as instances of [JAXBElement](http://docs.google.com/javax/xml/bind/JAXBElement.html) or instances with a class that is annotated with @XmlRootElement.
* Unknown content that is not be bound to a JAXB mapped class is inserted as [Element](http://docs.google.com/org/w3c/dom/Element.html). (Assumes property annotated with @XmlAnyElement)

Below is an example of binding and creation of mixed content.

<xs:complexType name="letterBody" mixed="true">  
 <xs:sequence>  
 <xs:element name="name" type="xs:string"></xs:element>  
 <xs:element name="quantity" type="xs:positiveInteger"></xs:element>  
 <xs:element name="productName" type="xs:string"></xs:element>  
   
 </xs:sequence>  
 </xs:complexType>  
 <xs:element name="letterBody" type="letterBody"></xs:element>  
   
 // Schema-derived Java code:   
 // (Only annotations relevant to mixed content are shown below,   
 // others are ommitted.)  
 import java.math.BigInteger;  
 public class ObjectFactory {  
 // element instance factories  
 JAXBElement<LetterBody> createLetterBody(LetterBody value);  
 JAXBElement<String> createLetterBodyName(String value);  
 JAXBElement<BigInteger> createLetterBodyQuantity(BigInteger value);  
 JAXBElement<String> createLetterBodyProductName(String value);  
 // type instance factory  
 LetterBody> createLetterBody();  
 }

public class LetterBody {  
 // Mixed content can contain instances of Element classes  
 // Name, Quantity and ProductName. Text data is represented as  
 // java.util.String for text.  
 @XmlMixed   
 @XmlElementRefs({  
 @XmlElementRef(name="productName", type=JAXBElement.class),  
 @XmlElementRef(name="quantity", type=JAXBElement.class),  
 @XmlElementRef(name="name", type=JAXBElement.class)})  
 List getContent(){...}  
 }

The following is an XML instance document with mixed content

<letterBody>  
 Dear Mr.<name>Robert Smith</name>  
 Your order of <quantity>1</quantity> <productName>Baby  
 Monitor</productName> shipped from our warehouse. ....  
 </letterBody>

that can be constructed using following JAXB API calls.

LetterBody lb = ObjectFactory.createLetterBody();  
 JAXBElement<LetterBody> lbe = ObjectFactory.createLetterBody(lb);  
 List gcl = lb.getContent(); //add mixed content to general content property.  
 gcl.add("Dear Mr."); // add text information item as a String.  
   
 // add child element information item  
 gcl.add(ObjectFactory.createLetterBodyName("Robert Smith"));  
 gcl.add("Your order of "); // add text information item as a String  
   
 // add children element information items  
 gcl.add(ObjectFactory.  
 createLetterBodyQuantity(new BigInteger("1")));  
 gcl.add(ObjectFactory.createLetterBodyProductName("Baby Monitor"));  
 gcl.add("shipped from our warehouse"); // add text information item

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

**Since:** JAXB2.0

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XmlMixed.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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