| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SOAPBody.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/soap/SAAJResult.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/soap/SOAPBodyElement.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/soap/SOAPBody.html)    [**NO FRAMES**](http://docs.google.com/SOAPBody.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#tyjcwt) | DETAIL: FIELD | CONSTR | [METHOD](#17dp8vu) |

## **javax.xml.soap**

Interface SOAPBody

**All Superinterfaces:** [Element](http://docs.google.com/org/w3c/dom/Element.html), [Node](http://docs.google.com/org/w3c/dom/Node.html), [SOAPElement](http://docs.google.com/javax/xml/soap/SOAPElement.html)

public interface **SOAPBody**extends [SOAPElement](http://docs.google.com/javax/xml/soap/SOAPElement.html)

An object that represents the contents of the SOAP body element in a SOAP message. A SOAP body element consists of XML data that affects the way the application-specific content is processed.

A SOAPBody object contains SOAPBodyElement objects, which have the content for the SOAP body. A SOAPFault object, which carries status and/or error information, is an example of a SOAPBodyElement object.

**See Also:**[SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html)

| **Field Summary** | |
| --- | --- |

| **Fields inherited from interface org.w3c.dom.**[**Node**](http://docs.google.com/org/w3c/dom/Node.html) |
| --- |
| [ATTRIBUTE\_NODE](http://docs.google.com/org/w3c/dom/Node.html#ATTRIBUTE_NODE), [CDATA\_SECTION\_NODE](http://docs.google.com/org/w3c/dom/Node.html#CDATA_SECTION_NODE), [COMMENT\_NODE](http://docs.google.com/org/w3c/dom/Node.html#COMMENT_NODE), [DOCUMENT\_FRAGMENT\_NODE](http://docs.google.com/org/w3c/dom/Node.html#DOCUMENT_FRAGMENT_NODE), [DOCUMENT\_NODE](http://docs.google.com/org/w3c/dom/Node.html#DOCUMENT_NODE), [DOCUMENT\_POSITION\_CONTAINED\_BY](http://docs.google.com/org/w3c/dom/Node.html#DOCUMENT_POSITION_CONTAINED_BY), [DOCUMENT\_POSITION\_CONTAINS](http://docs.google.com/org/w3c/dom/Node.html#DOCUMENT_POSITION_CONTAINS), [DOCUMENT\_POSITION\_DISCONNECTED](http://docs.google.com/org/w3c/dom/Node.html#DOCUMENT_POSITION_DISCONNECTED), [DOCUMENT\_POSITION\_FOLLOWING](http://docs.google.com/org/w3c/dom/Node.html#DOCUMENT_POSITION_FOLLOWING), [DOCUMENT\_POSITION\_IMPLEMENTATION\_SPECIFIC](http://docs.google.com/org/w3c/dom/Node.html#DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC), [DOCUMENT\_POSITION\_PRECEDING](http://docs.google.com/org/w3c/dom/Node.html#DOCUMENT_POSITION_PRECEDING), [DOCUMENT\_TYPE\_NODE](http://docs.google.com/org/w3c/dom/Node.html#DOCUMENT_TYPE_NODE), [ELEMENT\_NODE](http://docs.google.com/org/w3c/dom/Node.html#ELEMENT_NODE), [ENTITY\_NODE](http://docs.google.com/org/w3c/dom/Node.html#ENTITY_NODE), [ENTITY\_REFERENCE\_NODE](http://docs.google.com/org/w3c/dom/Node.html#ENTITY_REFERENCE_NODE), [NOTATION\_NODE](http://docs.google.com/org/w3c/dom/Node.html#NOTATION_NODE), [PROCESSING\_INSTRUCTION\_NODE](http://docs.google.com/org/w3c/dom/Node.html#PROCESSING_INSTRUCTION_NODE), [TEXT\_NODE](http://docs.google.com/org/w3c/dom/Node.html#TEXT_NODE) |

| **Method Summary** | |
| --- | --- |
| [SOAPBodyElement](http://docs.google.com/javax/xml/soap/SOAPBodyElement.html) | [**addBodyElement**](http://docs.google.com/javax/xml/soap/SOAPBody.html#addBodyElement(javax.xml.soap.Name))([Name](http://docs.google.com/javax/xml/soap/Name.html) name)            Creates a new SOAPBodyElement object with the specified name and adds it to this SOAPBody object. |
| [SOAPBodyElement](http://docs.google.com/javax/xml/soap/SOAPBodyElement.html) | [**addBodyElement**](http://docs.google.com/javax/xml/soap/SOAPBody.html#addBodyElement(javax.xml.namespace.QName))([QName](http://docs.google.com/javax/xml/namespace/QName.html) qname)            Creates a new SOAPBodyElement object with the specified QName and adds it to this SOAPBody object. |
| [SOAPBodyElement](http://docs.google.com/javax/xml/soap/SOAPBodyElement.html) | [**addDocument**](http://docs.google.com/javax/xml/soap/SOAPBody.html#addDocument(org.w3c.dom.Document))([Document](http://docs.google.com/org/w3c/dom/Document.html) document)            Adds the root node of the DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) to this SOAPBody object. |
| [SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) | [**addFault**](http://docs.google.com/javax/xml/soap/SOAPBody.html#addFault())()            Creates a new SOAPFault object and adds it to this SOAPBody object. |
| [SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) | [**addFault**](http://docs.google.com/javax/xml/soap/SOAPBody.html#addFault(javax.xml.soap.Name,%20java.lang.String))([Name](http://docs.google.com/javax/xml/soap/Name.html) faultCode, [String](http://docs.google.com/java/lang/String.html) faultString)            Creates a new SOAPFault object and adds it to this SOAPBody object. |
| [SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) | [**addFault**](http://docs.google.com/javax/xml/soap/SOAPBody.html#addFault(javax.xml.soap.Name,%20java.lang.String,%20java.util.Locale))([Name](http://docs.google.com/javax/xml/soap/Name.html) faultCode, [String](http://docs.google.com/java/lang/String.html) faultString, [Locale](http://docs.google.com/java/util/Locale.html) locale)            Creates a new SOAPFault object and adds it to this SOAPBody object. |
| [SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) | [**addFault**](http://docs.google.com/javax/xml/soap/SOAPBody.html#addFault(javax.xml.namespace.QName,%20java.lang.String))([QName](http://docs.google.com/javax/xml/namespace/QName.html) faultCode, [String](http://docs.google.com/java/lang/String.html) faultString)            Creates a new SOAPFault object and adds it to this SOAPBody object. |
| [SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) | [**addFault**](http://docs.google.com/javax/xml/soap/SOAPBody.html#addFault(javax.xml.namespace.QName,%20java.lang.String,%20java.util.Locale))([QName](http://docs.google.com/javax/xml/namespace/QName.html) faultCode, [String](http://docs.google.com/java/lang/String.html) faultString, [Locale](http://docs.google.com/java/util/Locale.html) locale)            Creates a new SOAPFault object and adds it to this SOAPBody object. |
| [Document](http://docs.google.com/org/w3c/dom/Document.html) | [**extractContentAsDocument**](http://docs.google.com/javax/xml/soap/SOAPBody.html#extractContentAsDocument())()            Creates a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) and sets the first child of this SOAPBody as it's document element. |
| [SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) | [**getFault**](http://docs.google.com/javax/xml/soap/SOAPBody.html#getFault())()            Returns the SOAPFault object in this SOAPBody object. |
| boolean | [**hasFault**](http://docs.google.com/javax/xml/soap/SOAPBody.html#hasFault())()            Indicates whether a SOAPFault object exists in this SOAPBody object. |

| **Methods inherited from interface javax.xml.soap.**[**SOAPElement**](http://docs.google.com/javax/xml/soap/SOAPElement.html) |
| --- |
| [addAttribute](http://docs.google.com/javax/xml/soap/SOAPElement.html#addAttribute(javax.xml.soap.Name,%20java.lang.String)), [addAttribute](http://docs.google.com/javax/xml/soap/SOAPElement.html#addAttribute(javax.xml.namespace.QName,%20java.lang.String)), [addChildElement](http://docs.google.com/javax/xml/soap/SOAPElement.html#addChildElement(javax.xml.soap.Name)), [addChildElement](http://docs.google.com/javax/xml/soap/SOAPElement.html#addChildElement(javax.xml.namespace.QName)), [addChildElement](http://docs.google.com/javax/xml/soap/SOAPElement.html#addChildElement(javax.xml.soap.SOAPElement)), [addChildElement](http://docs.google.com/javax/xml/soap/SOAPElement.html#addChildElement(java.lang.String)), [addChildElement](http://docs.google.com/javax/xml/soap/SOAPElement.html#addChildElement(java.lang.String,%20java.lang.String)), [addChildElement](http://docs.google.com/javax/xml/soap/SOAPElement.html#addChildElement(java.lang.String,%20java.lang.String,%20java.lang.String)), [addNamespaceDeclaration](http://docs.google.com/javax/xml/soap/SOAPElement.html#addNamespaceDeclaration(java.lang.String,%20java.lang.String)), [addTextNode](http://docs.google.com/javax/xml/soap/SOAPElement.html#addTextNode(java.lang.String)), [createQName](http://docs.google.com/javax/xml/soap/SOAPElement.html#createQName(java.lang.String,%20java.lang.String)), [getAllAttributes](http://docs.google.com/javax/xml/soap/SOAPElement.html#getAllAttributes()), [getAllAttributesAsQNames](http://docs.google.com/javax/xml/soap/SOAPElement.html#getAllAttributesAsQNames()), [getAttributeValue](http://docs.google.com/javax/xml/soap/SOAPElement.html#getAttributeValue(javax.xml.soap.Name)), [getAttributeValue](http://docs.google.com/javax/xml/soap/SOAPElement.html#getAttributeValue(javax.xml.namespace.QName)), [getChildElements](http://docs.google.com/javax/xml/soap/SOAPElement.html#getChildElements()), [getChildElements](http://docs.google.com/javax/xml/soap/SOAPElement.html#getChildElements(javax.xml.soap.Name)), [getChildElements](http://docs.google.com/javax/xml/soap/SOAPElement.html#getChildElements(javax.xml.namespace.QName)), [getElementName](http://docs.google.com/javax/xml/soap/SOAPElement.html#getElementName()), [getElementQName](http://docs.google.com/javax/xml/soap/SOAPElement.html#getElementQName()), [getEncodingStyle](http://docs.google.com/javax/xml/soap/SOAPElement.html#getEncodingStyle()), [getNamespacePrefixes](http://docs.google.com/javax/xml/soap/SOAPElement.html#getNamespacePrefixes()), [getNamespaceURI](http://docs.google.com/javax/xml/soap/SOAPElement.html#getNamespaceURI(java.lang.String)), [getVisibleNamespacePrefixes](http://docs.google.com/javax/xml/soap/SOAPElement.html#getVisibleNamespacePrefixes()), [removeAttribute](http://docs.google.com/javax/xml/soap/SOAPElement.html#removeAttribute(javax.xml.soap.Name)), [removeAttribute](http://docs.google.com/javax/xml/soap/SOAPElement.html#removeAttribute(javax.xml.namespace.QName)), [removeContents](http://docs.google.com/javax/xml/soap/SOAPElement.html#removeContents()), [removeNamespaceDeclaration](http://docs.google.com/javax/xml/soap/SOAPElement.html#removeNamespaceDeclaration(java.lang.String)), [setElementQName](http://docs.google.com/javax/xml/soap/SOAPElement.html#setElementQName(javax.xml.namespace.QName)), [setEncodingStyle](http://docs.google.com/javax/xml/soap/SOAPElement.html#setEncodingStyle(java.lang.String)) |

| **Methods inherited from interface javax.xml.soap.**[**Node**](http://docs.google.com/javax/xml/soap/Node.html) |
| --- |
| [detachNode](http://docs.google.com/javax/xml/soap/Node.html#detachNode()), [getParentElement](http://docs.google.com/javax/xml/soap/Node.html#getParentElement()), [getValue](http://docs.google.com/javax/xml/soap/Node.html#getValue()), [recycleNode](http://docs.google.com/javax/xml/soap/Node.html#recycleNode()), [setParentElement](http://docs.google.com/javax/xml/soap/Node.html#setParentElement(javax.xml.soap.SOAPElement)), [setValue](http://docs.google.com/javax/xml/soap/Node.html#setValue(java.lang.String)) |

| **Methods inherited from interface org.w3c.dom.**[**Element**](http://docs.google.com/org/w3c/dom/Element.html) |
| --- |
| [getAttribute](http://docs.google.com/org/w3c/dom/Element.html#getAttribute(java.lang.String)), [getAttributeNode](http://docs.google.com/org/w3c/dom/Element.html#getAttributeNode(java.lang.String)), [getAttributeNodeNS](http://docs.google.com/org/w3c/dom/Element.html#getAttributeNodeNS(java.lang.String,%20java.lang.String)), [getAttributeNS](http://docs.google.com/org/w3c/dom/Element.html#getAttributeNS(java.lang.String,%20java.lang.String)), [getElementsByTagName](http://docs.google.com/org/w3c/dom/Element.html#getElementsByTagName(java.lang.String)), [getElementsByTagNameNS](http://docs.google.com/org/w3c/dom/Element.html#getElementsByTagNameNS(java.lang.String,%20java.lang.String)), [getSchemaTypeInfo](http://docs.google.com/org/w3c/dom/Element.html#getSchemaTypeInfo()), [getTagName](http://docs.google.com/org/w3c/dom/Element.html#getTagName()), [hasAttribute](http://docs.google.com/org/w3c/dom/Element.html#hasAttribute(java.lang.String)), [hasAttributeNS](http://docs.google.com/org/w3c/dom/Element.html#hasAttributeNS(java.lang.String,%20java.lang.String)), [removeAttribute](http://docs.google.com/org/w3c/dom/Element.html#removeAttribute(java.lang.String)), [removeAttributeNode](http://docs.google.com/org/w3c/dom/Element.html#removeAttributeNode(org.w3c.dom.Attr)), [removeAttributeNS](http://docs.google.com/org/w3c/dom/Element.html#removeAttributeNS(java.lang.String,%20java.lang.String)), [setAttribute](http://docs.google.com/org/w3c/dom/Element.html#setAttribute(java.lang.String,%20java.lang.String)), [setAttributeNode](http://docs.google.com/org/w3c/dom/Element.html#setAttributeNode(org.w3c.dom.Attr)), [setAttributeNodeNS](http://docs.google.com/org/w3c/dom/Element.html#setAttributeNodeNS(org.w3c.dom.Attr)), [setAttributeNS](http://docs.google.com/org/w3c/dom/Element.html#setAttributeNS(java.lang.String,%20java.lang.String,%20java.lang.String)), [setIdAttribute](http://docs.google.com/org/w3c/dom/Element.html#setIdAttribute(java.lang.String,%20boolean)), [setIdAttributeNode](http://docs.google.com/org/w3c/dom/Element.html#setIdAttributeNode(org.w3c.dom.Attr,%20boolean)), [setIdAttributeNS](http://docs.google.com/org/w3c/dom/Element.html#setIdAttributeNS(java.lang.String,%20java.lang.String,%20boolean)) |

| **Methods inherited from interface org.w3c.dom.**[**Node**](http://docs.google.com/org/w3c/dom/Node.html) |
| --- |
| [appendChild](http://docs.google.com/org/w3c/dom/Node.html#appendChild(org.w3c.dom.Node)), [cloneNode](http://docs.google.com/org/w3c/dom/Node.html#cloneNode(boolean)), [compareDocumentPosition](http://docs.google.com/org/w3c/dom/Node.html#compareDocumentPosition(org.w3c.dom.Node)), [getAttributes](http://docs.google.com/org/w3c/dom/Node.html#getAttributes()), [getBaseURI](http://docs.google.com/org/w3c/dom/Node.html#getBaseURI()), [getChildNodes](http://docs.google.com/org/w3c/dom/Node.html#getChildNodes()), [getFeature](http://docs.google.com/org/w3c/dom/Node.html#getFeature(java.lang.String,%20java.lang.String)), [getFirstChild](http://docs.google.com/org/w3c/dom/Node.html#getFirstChild()), [getLastChild](http://docs.google.com/org/w3c/dom/Node.html#getLastChild()), [getLocalName](http://docs.google.com/org/w3c/dom/Node.html#getLocalName()), [getNamespaceURI](http://docs.google.com/org/w3c/dom/Node.html#getNamespaceURI()), [getNextSibling](http://docs.google.com/org/w3c/dom/Node.html#getNextSibling()), [getNodeName](http://docs.google.com/org/w3c/dom/Node.html#getNodeName()), [getNodeType](http://docs.google.com/org/w3c/dom/Node.html#getNodeType()), [getNodeValue](http://docs.google.com/org/w3c/dom/Node.html#getNodeValue()), [getOwnerDocument](http://docs.google.com/org/w3c/dom/Node.html#getOwnerDocument()), [getParentNode](http://docs.google.com/org/w3c/dom/Node.html#getParentNode()), [getPrefix](http://docs.google.com/org/w3c/dom/Node.html#getPrefix()), [getPreviousSibling](http://docs.google.com/org/w3c/dom/Node.html#getPreviousSibling()), [getTextContent](http://docs.google.com/org/w3c/dom/Node.html#getTextContent()), [getUserData](http://docs.google.com/org/w3c/dom/Node.html#getUserData(java.lang.String)), [hasAttributes](http://docs.google.com/org/w3c/dom/Node.html#hasAttributes()), [hasChildNodes](http://docs.google.com/org/w3c/dom/Node.html#hasChildNodes()), [insertBefore](http://docs.google.com/org/w3c/dom/Node.html#insertBefore(org.w3c.dom.Node,%20org.w3c.dom.Node)), [isDefaultNamespace](http://docs.google.com/org/w3c/dom/Node.html#isDefaultNamespace(java.lang.String)), [isEqualNode](http://docs.google.com/org/w3c/dom/Node.html#isEqualNode(org.w3c.dom.Node)), [isSameNode](http://docs.google.com/org/w3c/dom/Node.html#isSameNode(org.w3c.dom.Node)), [isSupported](http://docs.google.com/org/w3c/dom/Node.html#isSupported(java.lang.String,%20java.lang.String)), [lookupNamespaceURI](http://docs.google.com/org/w3c/dom/Node.html#lookupNamespaceURI(java.lang.String)), [lookupPrefix](http://docs.google.com/org/w3c/dom/Node.html#lookupPrefix(java.lang.String)), [normalize](http://docs.google.com/org/w3c/dom/Node.html#normalize()), [removeChild](http://docs.google.com/org/w3c/dom/Node.html#removeChild(org.w3c.dom.Node)), [replaceChild](http://docs.google.com/org/w3c/dom/Node.html#replaceChild(org.w3c.dom.Node,%20org.w3c.dom.Node)), [setNodeValue](http://docs.google.com/org/w3c/dom/Node.html#setNodeValue(java.lang.String)), [setPrefix](http://docs.google.com/org/w3c/dom/Node.html#setPrefix(java.lang.String)), [setTextContent](http://docs.google.com/org/w3c/dom/Node.html#setTextContent(java.lang.String)), [setUserData](http://docs.google.com/org/w3c/dom/Node.html#setUserData(java.lang.String,%20java.lang.Object,%20org.w3c.dom.UserDataHandler)) |

| **Method Detail** |
| --- |

### addFault

[SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) **addFault**()  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Creates a new SOAPFault object and adds it to this SOAPBody object. The new SOAPFault will have default values set for the mandatory child elements. The type of the SOAPFault will be a SOAP 1.1 or a SOAP 1.2 SOAPFault depending on the protocol specified while creating the MessageFactory instance.

A SOAPBody may contain at most one SOAPFault child element.

**Returns:**the new SOAPFault object **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if there is a SOAP error

### addFault

[SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) **addFault**([Name](http://docs.google.com/javax/xml/soap/Name.html) faultCode,  
 [String](http://docs.google.com/java/lang/String.html) faultString,  
 [Locale](http://docs.google.com/java/util/Locale.html) locale)  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Creates a new SOAPFault object and adds it to this SOAPBody object. The type of the SOAPFault will be a SOAP 1.1 or a SOAP 1.2 SOAPFault depending on the protocol specified while creating the MessageFactory instance.

For SOAP 1.2 the faultCode parameter is the value of the *Fault/Code/Value* element and the faultString parameter is the value of the *Fault/Reason/Text* element. For SOAP 1.1 the faultCode parameter is the value of the faultcode element and the faultString parameter is the value of the faultstring element.

A SOAPBody may contain at most one SOAPFault child element.

**Parameters:**faultCode - a Name object giving the fault code to be set; must be one of the fault codes defined in the Version of SOAP specification in usefaultString - a String giving an explanation of the faultlocale - a [Locale](http://docs.google.com/java/util/Locale.html) object indicating the native language of the faultString **Returns:**the new SOAPFault object **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if there is a SOAP error**Since:** SAAJ 1.2 **See Also:**[SOAPFault.setFaultCode(javax.xml.soap.Name)](http://docs.google.com/javax/xml/soap/SOAPFault.html#setFaultCode(javax.xml.soap.Name)), [SOAPFault.setFaultString(java.lang.String)](http://docs.google.com/javax/xml/soap/SOAPFault.html#setFaultString(java.lang.String))

### addFault

[SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) **addFault**([QName](http://docs.google.com/javax/xml/namespace/QName.html) faultCode,  
 [String](http://docs.google.com/java/lang/String.html) faultString,  
 [Locale](http://docs.google.com/java/util/Locale.html) locale)  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Creates a new SOAPFault object and adds it to this SOAPBody object. The type of the SOAPFault will be a SOAP 1.1 or a SOAP 1.2 SOAPFault depending on the protocol specified while creating the MessageFactory instance.

For SOAP 1.2 the faultCode parameter is the value of the *Fault/Code/Value* element and the faultString parameter is the value of the *Fault/Reason/Text* element. For SOAP 1.1 the faultCode parameter is the value of the faultcode element and the faultString parameter is the value of the faultstring element.

A SOAPBody may contain at most one SOAPFault child element.

**Parameters:**faultCode - a QName object giving the fault code to be set; must be one of the fault codes defined in the version of SOAP specification in use.faultString - a String giving an explanation of the faultlocale - a [Locale](http://docs.google.com/java/util/Locale.html) object indicating the native language of the faultString **Returns:**the new SOAPFault object **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if there is a SOAP error**Since:** SAAJ 1.3 **See Also:**[SOAPFault.setFaultCode(javax.xml.soap.Name)](http://docs.google.com/javax/xml/soap/SOAPFault.html#setFaultCode(javax.xml.soap.Name)), [SOAPFault.setFaultString(java.lang.String)](http://docs.google.com/javax/xml/soap/SOAPFault.html#setFaultString(java.lang.String)), [addFault(Name faultCode, String faultString, Locale locale)](http://docs.google.com/javax/xml/soap/SOAPBody.html#addFault(javax.xml.soap.Name,%20java.lang.String,%20java.util.Locale))

### addFault

[SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) **addFault**([Name](http://docs.google.com/javax/xml/soap/Name.html) faultCode,  
 [String](http://docs.google.com/java/lang/String.html) faultString)  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Creates a new SOAPFault object and adds it to this SOAPBody object. The type of the SOAPFault will be a SOAP 1.1 or a SOAP 1.2 SOAPFault depending on the protocol specified while creating the MessageFactory instance.

For SOAP 1.2 the faultCode parameter is the value of the *Fault/Code/Value* element and the faultString parameter is the value of the *Fault/Reason/Text* element. For SOAP 1.1 the faultCode parameter is the value of the *faultcode* element and the faultString parameter is the value of the *faultstring* element.

In case of a SOAP 1.2 fault, the default value for the mandatory xml:lang attribute on the *Fault/Reason/Text* element will be set to java.util.Locale.getDefault()

A SOAPBody may contain at most one SOAPFault child element.

**Parameters:**faultCode - a Name object giving the fault code to be set; must be one of the fault codes defined in the version of SOAP specification in usefaultString - a String giving an explanation of the fault **Returns:**the new SOAPFault object **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if there is a SOAP error**Since:** SAAJ 1.2 **See Also:**[SOAPFault.setFaultCode(javax.xml.soap.Name)](http://docs.google.com/javax/xml/soap/SOAPFault.html#setFaultCode(javax.xml.soap.Name)), [SOAPFault.setFaultString(java.lang.String)](http://docs.google.com/javax/xml/soap/SOAPFault.html#setFaultString(java.lang.String))

### addFault

[SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) **addFault**([QName](http://docs.google.com/javax/xml/namespace/QName.html) faultCode,  
 [String](http://docs.google.com/java/lang/String.html) faultString)  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Creates a new SOAPFault object and adds it to this SOAPBody object. The type of the SOAPFault will be a SOAP 1.1 or a SOAP 1.2 SOAPFault depending on the protocol specified while creating the MessageFactory instance.

For SOAP 1.2 the faultCode parameter is the value of the *Fault/Code/Value* element and the faultString parameter is the value of the *Fault/Reason/Text* element. For SOAP 1.1 the faultCode parameter is the value of the *faultcode* element and the faultString parameter is the value of the *faultstring* element.

In case of a SOAP 1.2 fault, the default value for the mandatory xml:lang attribute on the *Fault/Reason/Text* element will be set to java.util.Locale.getDefault()

A SOAPBody may contain at most one SOAPFault child element

**Parameters:**faultCode - a QName object giving the fault code to be set; must be one of the fault codes defined in the version of SOAP specification in usefaultString - a String giving an explanation of the fault **Returns:**the new SOAPFault object **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if there is a SOAP error**Since:** SAAJ 1.3 **See Also:**[SOAPFault.setFaultCode(javax.xml.soap.Name)](http://docs.google.com/javax/xml/soap/SOAPFault.html#setFaultCode(javax.xml.soap.Name)), [SOAPFault.setFaultString(java.lang.String)](http://docs.google.com/javax/xml/soap/SOAPFault.html#setFaultString(java.lang.String)), [addFault(Name faultCode, String faultString)](http://docs.google.com/javax/xml/soap/SOAPBody.html#addFault(javax.xml.soap.Name,%20java.lang.String))

### hasFault

boolean **hasFault**()

Indicates whether a SOAPFault object exists in this SOAPBody object.

**Returns:**true if a SOAPFault object exists in this SOAPBody object; false otherwise

### getFault

[SOAPFault](http://docs.google.com/javax/xml/soap/SOAPFault.html) **getFault**()

Returns the SOAPFault object in this SOAPBody object.

**Returns:**the SOAPFault object in this SOAPBody object if present, null otherwise.

### addBodyElement

[SOAPBodyElement](http://docs.google.com/javax/xml/soap/SOAPBodyElement.html) **addBodyElement**([Name](http://docs.google.com/javax/xml/soap/Name.html) name)  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Creates a new SOAPBodyElement object with the specified name and adds it to this SOAPBody object.

**Parameters:**name - a Name object with the name for the new SOAPBodyElement object **Returns:**the new SOAPBodyElement object **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if a SOAP error occurs**See Also:**[addBodyElement(javax.xml.namespace.QName)](http://docs.google.com/javax/xml/soap/SOAPBody.html#addBodyElement(javax.xml.namespace.QName))

### addBodyElement

[SOAPBodyElement](http://docs.google.com/javax/xml/soap/SOAPBodyElement.html) **addBodyElement**([QName](http://docs.google.com/javax/xml/namespace/QName.html) qname)  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Creates a new SOAPBodyElement object with the specified QName and adds it to this SOAPBody object.

**Parameters:**qname - a QName object with the qname for the new SOAPBodyElement object **Returns:**the new SOAPBodyElement object **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if a SOAP error occurs**Since:** SAAJ 1.3 **See Also:**[addBodyElement(Name)](http://docs.google.com/javax/xml/soap/SOAPBody.html#addBodyElement(javax.xml.soap.Name))

### addDocument

[SOAPBodyElement](http://docs.google.com/javax/xml/soap/SOAPBodyElement.html) **addDocument**([Document](http://docs.google.com/org/w3c/dom/Document.html) document)  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Adds the root node of the DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) to this SOAPBody object.

Calling this method invalidates the document parameter. The client application should discard all references to this Document and its contents upon calling addDocument. The behavior of an application that continues to use such references is undefined.

**Parameters:**document - the Document object whose root node will be added to this SOAPBody. **Returns:**the SOAPBodyElement that represents the root node that was added. **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if the Document cannot be added**Since:** SAAJ 1.2

### extractContentAsDocument

[Document](http://docs.google.com/org/w3c/dom/Document.html) **extractContentAsDocument**()  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Creates a new DOM [Document](http://docs.google.com/org/w3c/dom/Document.html) and sets the first child of this SOAPBody as it's document element. The child SOAPElement is removed as part of the process.

**Returns:**the [Document](http://docs.google.com/org/w3c/dom/Document.html) representation of the SOAPBody content. **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if there is not exactly one child SOAPElement of the SOAPBody.**Since:** SAAJ 1.3

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SOAPBody.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/soap/SAAJResult.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/soap/SOAPBodyElement.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/soap/SOAPBody.html)    [**NO FRAMES**](http://docs.google.com/SOAPBody.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#tyjcwt) | DETAIL: FIELD | CONSTR | [METHOD](#17dp8vu) |

[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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