

Table1 The original class XMLSerializer in Xerces

Original Class XMLSerializer	
Attributes	Methods
DEBUG fNSBinder fLocalNSBinder SymbolTable fSymbolTable fEmptySymbol fXmlSymbol fXmlnsSymbol fDOML1 fNamespaceCounter fPreserveSpace fEncoding	setOutputFormat(OutputFormat) startElement(String, String, String, Attributes) endElement(String, String, String) endElementtIO(String, String, String) startElement(String, AttributeList) endElement(String) startDocument(String) serializeElement(Element) printNamespaceAttr(String, String) printAttribute(String, String, boolean) getEntityRef(int) extractNamespaces(Attributes) checkAllFeatures() setFeature(String, boolean) canSetFeature(String, boolean) getFeature(String) getEncoding() setEncoding(String) getNewLine() setNewLine(String) getErrorHandler() setErrorHandler(DOMErrorHandler) writeNode(OutputStream, Node) writeToString(Node) reset()

Table2 The new classes extracted by developers

Class Extracted by the Developers - 1	
Attributes	Methods
fEncoding	setFeature(String, boolean) canSetFeature(String, boolean) getFeature(String) getEncoding() setEncoding(String) getErrorHandler() setErrorHandler(DOMErrorHandler) writeNode(OutputStream, Node) writeToString(Node) setNewLine(String) getNewLine() reset() checkAllFeatures()

Class Extracted by the Developers - 2	
Attributes	Methods
DEBUG fNSBinder fLocalNSBinder fSymbolTable fEmptySymbol fXmlSymbol fXmlnsSymbol fDOML1 fNamespaceCounter fPreserveSpace	setOutputFormat(OutputFormat) startElement(String, String, String, Attributes) endElement(String) endElementIO(String, String, String) startElement(String, AttributeList) endElement(String, String, String) startDocument(String) serializeElement(Element) printNamespaceAttr(String, String) printAttribute(String, String, boolean) getEntityRef(int) extractNamespaces(Attributes)

Table3 The new classes extracted by our approach

Class Extracted our approach - 1	
Attributes	Methods
DEBUG fNSBinder fLocalNSBinder fSymbolTable fEmptySymbol fXmlSymbol fXmlnsSymbol fDOML1 fNamespaceCounter fPreserveSpace	endElement(String) endElement(String, String, String) endElementIO(String, String, String) extractNamespaces(Attributes) getEntityRef(int) printAttribute(String, String, boolean, Attr) printNamespaceAttr(String, String) serializeElement(Element) startDocument(String) startElement(String, String, String, Attributes) startElement(String, AttributeList)
Class Extracted our approach - 2	
Attributes	Methods
fEncoding	setOutputFormat(OutputFormat) setFeature(String, boolean) canSetFeature(String, boolean) getFeature(String) getEncoding() setEncoding(String) getErrorHandler() setErrorHandler(DOMErrorHandler) writeNode(OutputStream, Node) writeToString(Node) setNewLine(String) getNewLine() reset() checkAllFeatures()

