

Java Xml Document Example Create

XML Signature It is used by various Web technologies such as SOAP, SAML, and others. XML Signature (also called XMLDSig, XML-DSig, XML-Sig) defines an XML syntax for digital signatures and is defined in the W3C recommendation XML Signature Syntax and Processing. Functionally, it has much in common with PKCS #7 but is more extensible and geared towards signing XML documents

the Streaming API for XML or StAX interface (part of JDK 6; separate jar available for JDK 5) XML signatures can be used to sign data—a resource—of any type, typically XML documents, but anything that is accessible via a URL can be signed. An XML signature used to sign a resource outside its containing XML document is called a detached signature; if it is used to sign some part of its containing document, it is called an enveloped signature; if it contains the signed data within itself it is called an enveloping signature.

XML catalog These external relationships XML documents typically refer to external entities, for example the public and/or system ID for the Document Type Definition. These external relationships are expressed using URIs, typically as URLs. XML documents typically refer to external entities, for example the public and/or system ID for the Document Type Definition

the Document Object Model parsing interface or DOM interface the Simple API for XML parsing interface or SAX interface The XSLT document transformation specifies how to transform an XML document into new document (usually XML, but other formats, such as plain text are supported). Typically... The principal standardization of the DOM was handled by the World Wide Web Consortium (W3C), which last developed a recommendation in 2004. WHATWG took over the development of the standard, publishing it as a... JAXP version 1.4.4 was released on September 3, 2010. JAXP 1.3 was declared end-of-life... It makes it possible to read and write XML data using a programming language class library (e.g. C++, C#, Java), specifically created for a given XML data format. Whilst it is possible to manually write a computer program to achieve this, XML data binding tools generate the source code to perform these tasks. In addition to the parsing interfaces, the API provides an XSLT interface to provide data and structural transformations on an XML document.

Oxygen XML Editor The Oxygen XML Editor (styled <Oxygen>) is a multi-platform XML editor, XSLT/XQuery debugger and profiler with Unicode support. It is a Java application The Oxygen XML Editor (styled <Oxygen/>) is a multi-platform XML editor, XSLT/XQuery debugger and profiler with Unicode support. It also has a version that can run as an Eclipse plugin. It is a Java application so it can run in Windows, Mac OS X, and Linux

Document Object Model DOM methods allow programmatic access to the tree; with them one can change the structure, style or content of a document. Once an event is triggered,

the event handlers get executed. Nodes can have event handlers (also known as event listeners) attached to them. The Document Object Model (DOM) is a cross-platform and language-independent API that treats an HTML or XML document as a tree structure wherein each node is an object representing a part of the document. The DOM represents a document with a logical tree. Each branch of the tree ends in a node, and each node contains objects

XML data binding XML data binding refers to a means of representing information in an XML document as a business object in computer memory. This allows applications to access the data in the XML from the object, rather than using the DOM or SAX to retrieve the data from a direct representation of the XML itself

One way to avoid these problems is to use an entity resolver (a standard part of SAX) or a URI Resolver (a standard part of JAXP). A resolver can examine the URIs of the resources being requested and determine how best to satisfy those requests... There are languages developed specifically to express XML schemas. The document type definition (DTD) language, which is native to the XML specification, is a schema language that is of relatively limited capability, but that also has other uses in XML aside... XSLT 3.0 implementations support Java, .NET, C/C++, Python, PHP and NodeJS. An XSLT 3.0 JavaScript library can also be hosted within the web browser. Modern web browsers also include native support for XSLT 1.0. JAXP was developed under the Java Community Process as JSR 5 (JAXP 1.0), JSR 63 (JAXP 1.1 and 1.2), and JSR 206 (JAXP 1.3).

Java API for XML Processing In computing, the Java API for XML Processing (JAXP) (/ˈdʒækspiː/ JAKS-pee), one of the Java XML application programming interfaces (APIs), provides the capability of validating and parsing XML documents. It has three basic parsing interfaces:

JDOM It has been part of the Java Community Process as JSR 102, though that effort has since been abandoned. JDOM integrates with Document Object Model (DOM) and Simple API for XML (SAX), supports XPath and XSLT. It uses external parsers to build documents. JDOM was developed by Jason Hunter and Brett McLaughlin starting in March 2000. JDOM is an open-source Java-based document object model for XML that was designed specifically for the Java platform so that it can take advantage of its language features

XML 0 Specification of 1998 and several other related specifications—all of them free open standards—define XML. Language (XML) is a markup language and file format for storing, transmitting, and reconstructing data. It defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. The World Wide Web Consortium's XML 1. It defines a set of rules for encoding documents in a Extensible Markup

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XML schema An XML schema is a description of a type of XML document, typically expressed in terms of constraints on the structure and content of documents of that type. An XML schema is a description of a type of XML document, typically expressed in terms of constraints on the structure and content of documents of that type, above and beyond the basic syntactical constraints imposed by XML itself. These constraints are generally expressed using some combination of grammatical rules governing the order of elements, Boolean predicates that the content must satisfy, data types governing the content of elements and attributes, and more specialized rules such as uniqueness and referential integrity constraints 128d32a7e5

Several schema systems exist to aid in the definition of XML-based languages...

128d32a7e5 Relative URLs are only useful in the context where they were initially created. For example, the URL "../xml/dtd/docbookx.xml" will usually only be useful in very limited circumstances. 128d32a7e5 However absolute URLs only work when the network can reach them. Relying on remote resources makes XML processing susceptible to both planned and unplanned network downtime. 128d32a7e5 The design goals of XML emphasize simplicity, generality, and usability across the Internet. It is a textual data format with strong support via Unicode for different human languages. Although the design of XML focuses on documents, the language is widely used for the representation of arbitrary data structures, such as those used in web services. 128d32a7e5

XSLT 0 specification. Support for JSON and plain-text transformation was added in later updates to the XSLT 1. These formats can be subsequently converted to formats such as PDF, PostScript, and PNG. Transformations) is a language originally designed for transforming XML documents into other XML documents, or other formats such as HTML for web pages, plain text XSLT (Extensible Stylesheet Language Transformations) is a language originally designed for transforming XML documents into other XML documents, or other formats such as HTML for web pages, plain text, or XSL Formatting Objects 128d32a7e5

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