

XML for Software Testers		Topical Outline
<ul style="list-style-type: none"> <li>• Identify the various components of an XML document</li> <li>• Distinguish between DTD's and XML Schemas</li> <li>• Effectively understand the interactions between XML and an RDBMS</li> <li>• Effectively identify key areas of focus when testing XML technologies</li> <li>• Create test cases and scenarios to test components for functional integrity</li> </ul>		<p><b>XML Concepts</b></p> <ul style="list-style-type: none"> <li>➤ What is XML?</li> <li>➤ XML delivering data to web pages</li> <li>➤ XML for sharing data across systems</li> <li>➤ XML for intelligent data in documents</li> </ul> <p><b>XML Syntax</b></p> <ul style="list-style-type: none"> <li>➤ XML Tags</li> <li>➤ XML Elements</li> <li>➤ XML Attributes</li> <li>➤ XML Instructions</li> <li>➤ CDATA</li> </ul> <p><b>Document Type Definition (DTD)</b></p> <ul style="list-style-type: none"> <li>➤ Introduction to DTD</li> <li>➤ DTD Validation</li> <li>➤ Parsers</li> </ul> <p><b>XML Schema</b></p> <ul style="list-style-type: none"> <li>➤ XML data structure and schema</li> <li>➤ Using the schema to validate an XML document</li> </ul> <p><b>XML and the Web</b></p> <ul style="list-style-type: none"> <li>➤ XML vs. HTML vs. XHTML</li> <li>➤ Web display issues (CSS and XSL)</li> <li>➤ Authentication</li> </ul> <p><b>XML API's</b></p> <ul style="list-style-type: none"> <li>➤ Overview of SAX, DOM, JAXB</li> </ul> <p><b>Basic Functional and Performance Testing Considerations</b></p> <ul style="list-style-type: none"> <li>➤ Testing with a UI</li> <li>➤ Testing the functionality and data separately</li> </ul>
<p><b>Description</b></p> <p>The XML for Software Testers course provides students with a firm understanding of the concepts needed to effectively test applications developed with XML related technologies. This course provides a foundation of knowledge of various XML technologies, and provides hands-on experience specifically for testers.</p>	<p><b>Audience, Prerequisites</b></p> <p>The course is intended for beginner or intermediate testers, analysts and engineers who need to develop a working knowledge of XML to support their testing efforts.</p> <p><b>Course length:</b> 2 days</p> <p><b>Course format:</b> lecture plus individual and group exercises and discussions.</p>	