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Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
11-May-2010	2.0	XML	Tushar Joshi	Revamp/Refinements
11-May-2010	2.0	XML	Anu Mitra	Review
12-May-2010	2.0	XML	CLS Team	Review
18-April-2011	3.0	XML	Anu Mitra	Refinements according to Integrated curriculum
20-May-2013	3.1	XML	Sathiabama R	Revamped according to new curriculum
21-Apr-2015	3.2	XML	Rathnajothi P	Revamped according to revised curriculum

Course Goals and Non Goals

- Course Goals

- To learn about how to create XML document
- To understand the use of XML in web application development
- To create schema definition

- Course Non Goals

- To learn about how to create XSL and XSLT document
- To understand DOM implementation
- To learn XQuery



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Note:

Goals: Participants should be able to know how to create XML document, understand the use of XML in web application development, and creating schema definition.

Non-Goals: Participants will not learn about creation of XSL and XSLT file. DOM implementation is beyond the scope of this course. XQuery is not in scope of this course.

Pre-requisites

- Fair Knowledge of HTML is preferable

Intended Audience

- Web Developers



Day Wise Schedule

- Day 1
 - Lesson 1: Introduction to XML
 - Lesson 2: Anatomy of XML Document
 - Lesson 3: XML Schema Definition

Table of Contents

■ Lesson 1: Introduction to XML

- 1.1: Evolution of XML
- 1.2: Role of XML in web applications
- 1.3: Different members of XML family
- 1.4: Introduction to Namespace

■ Lesson 2: Anatomy of XML

- 2.1: Logical and Physical structure of XML file
- 2.2: Parts of XML file – Elements, Attributes, Entities, PI's etc.

■ Lesson 3: XML Schema Definition

- 3.1: Advantages of Schema over DTD
- 3.2: Method to write a schema definition for an XML file
- 3.3: Data types used in schemas
- 3.4: Simple and Complex type of elements
- 3.5: Restrictions on XSD elements
- 3.6: Indicator – Order, Occurrence, and Group

References

- Books:
 - Beginning XML; Wrox Publication
- Sites:
 - <http://w3schools.com>



Next Step Courses (if applicable)

- XQuery
- Using XML with Java/.Net

Other Parallel Technology Areas

- NA