Web Basics - XML

Lesson 00:

Capgemini

Document History

Date	Course Version No.	Software Version No.	Developer / SME	Reviewer(s)	Approver	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

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