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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



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## 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

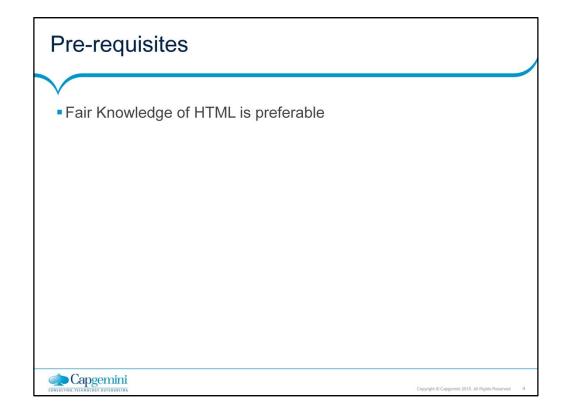


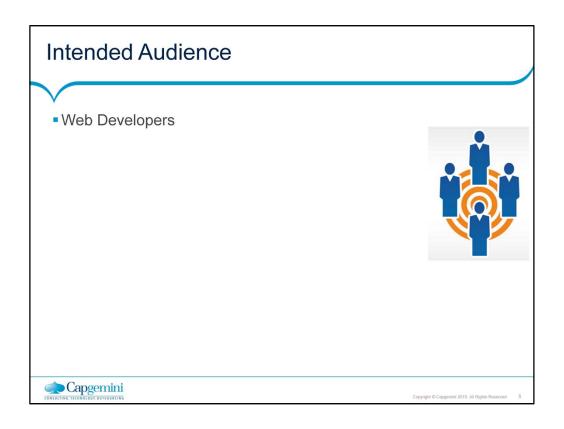
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### Note:

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.





## ■ 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, Pl'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



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# References Books: Beginning XML; Wrox Publication Sites: http://w3schools.com

