Web Basics - JavaScript
Lesson 00:

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People matter, results count.

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Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
19-Sep-2009	2.0	NA	Pradnya Jagtap	Updated to new template. And incorporated new examples.
Apr-2011	3.0	NA	Anu Mitra	Integration updates
Apr-2015	3.1	NA	Rathnajothi P	Revamped according to revised curriculum
May-2016	3.2	NA	Kavita Arora	Revamped according to revised curriculum

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Course Goals and Non Goals

- Course Goals:
  - At the end of this course you will be able to:
  - Add interactivity to the static HTML pages
  - Validate the input data provided by users, on the client side
  - Manipulate style sheets on the fly to give a sophisticated look to any website
- Course Non Goals:
  - Server-side scripting not covered.

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Pre-requisites

- Prerequisites for this course are:
  - Familiarity with Windows, GUI Concept and Web Browser Application
  - HTML
  - Experience of creation of a web page using HTML
  - Object Oriented Programming Concepts

Intended Audience

- This course is designed for:
  - Trainee Programmers
  - Software Professionals

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Day Wise Schedule

- Day 1
  - Lesson 1: Introduction to JavaScript
  - Lesson 2: JavaScript Language
  - Lesson 3: Working with Predefined Core Objects
  - Lesson 4: Working with Arrays
  - Lesson 5: Document Object Model
- Day 2
  - Lesson 6: Working with Document object
  - Lesson 7: Working with Form object
  - Lesson 8: Working with Regular Expressions

Table of Contents

- Lesson 1: Introduction to JavaScript
  - 1.1. Basic Concepts of JavaScript
  - 1.2. Embedding JavaScript in HTML
  - 1.3 Writing JavaScript

- Lesson 2: JavaScript Language
  - 2.1. Data Types and Variables
  - 2.2. JavaScript Operators
  - 2.3. Control Structures and Loops
  - 2.4. JavaScript Functions

- Lesson 3: Working with Predefined Core Objects
  - 3.1. Data Types in JavaScript
  - 3.2. Overview of String object
  - 3.3. Math object
  - 3.4 Date object

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Table of Contents

- Lesson 4: Working with Arrays
  - 4.1. Array Object
  - 4.2. Properties and Methods of Array object

- Lesson 5: Document Object Model
  - 5.1. JavaScript Document Object Model
  - 5.2. Window object
  - 5.3. Navigator Object
  - 5.4. Location Object
  - 5.5. History Object

- Lesson 6: Working With Document Object
  - 6.1. Document Objects
  - 6.2. Cookies

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Table of Contents

- Lesson 7: Working with Form Object
  - 7.1. Form properties, Methods & Event handlers
  - 7.2. Text-Related Objects
  - 7.3. Button Objects
  - 7.4. Check Box and Radio Objects
  - 7.5. Select Objects
- Lesson 8: Work with Regular Expressions
  - 8.1. Use regular expressions
  - 8.2. Search using simple patterns and special characters
  - 8.3. Work with RegExp objects

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References

- JavaScript: A Beginner's Guide - by John Pollock
- http://www.w3schools.com

Next Step Courses (if applicable)

- Servlet
- JSP

Other Parallel Technology Areas

- VBScript