

Cascading Style Sheet (CSS)

Lesson 00: (version 3.0)

IGATE is now a part of Capgemini

People matter, results count.



Copyright © 2011 IGATE Corporation (a part of Capgemini Group). All rights reserved.
No part of this publication shall be reproduced in any way, including but not limited to photocopy, photographic, magnetic, or other record, without the prior written permission of IGATE Corporation (a part of Capgemini Group).

IGATE Corporation (a part of Capgemini Group) considers information included in this document to be confidential and proprietary.

Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
10-Dec-2012	1.0	3.0	Mohan Chinniah	
31-Mar-2015	2.0	3.0	Rathnajothe Perumalsamy	Changes made for aligning to the upgraded ELTP course structure.

Course Goals and Non Goals

➤ Course Goals

- Understand Cascading Style Sheet 3.0
- Understand new features of CSS 3.0
- Be able to use Custom Fonts
- Exploring Layouts supported by CSS 3.0
- Understanding RGBA and HSLA color schemes
- Animation



➤ Course Non Goals

- N/A

Pre-requisites

- HTML 5
- Understanding of Different Browsers like IE , FireFox, Opera and Chrome

➤ **Web page designers**



Day Wise Schedule

➤ Day 1

- Lesson 1: Introduction to CSS 3
- Lesson 2: Working with Text and Fonts

➤ Day 2

- Lesson 3: CSS Selectors
- Lesson 4: Layout
- Lesson 5: Working with Colors
- Lesson 6: Borders and Transformation
- Lesson 7: Transition and Animation

Table of Contents

➤ Lesson 1: Introduction to CSS 3

- 1.1. Introduction
- 1.2. CSS Syntax
- 1.3. Types of CSS

➤ Lesson 2: Working with Text and Fonts

- 2.1. Text Formatting
- 2.2. Text Effects
- 2.3. Fonts
- 2.4. Custom Fonts

➤ Lesson 3: CSS Selectors

- 3.1. Universal Selector
- 3.2 Type Selector
- 3.3 Class Selector
- 3.4 ID Selector
- 3.5 Attribute Selector
- 3.6 PseudoClasses

Table of Contents

Lesson 4: Layout

- 4.1. Introduction
- 4.2. Positioning
- 4.3. Box Layout
- 4.4. Table Layout
- 4.5. Vendor Prefixes
- 4.6. Working with Columns

➤ Lesson 5: Working with Colors

- 5.1. Background
- 5.2. Multiple Background
- 5.3. Colors
 - 5.3.1 RGB and RGBA
 - 5.3.2 HSL and HSLA
 - 5.3.3 Alpha factor
 - 5.3.4 Opacity & Transparency
- 5.4. Using currentColor
- 5.5. Working with gradients

Table of Contents

➤ Lesson 6: Borders and Transformation

- 6.1.Borders
- 6.2.Resizable Borders
- 6.3.Rounded Corners
- 6.4.Applying Shadows in border
- 6.5.Transformation 2D and 3D
- 6.6.Rotate
- 6.7.Skew
- 6.8.Scale
- 6.9.Translate

➤ Lesson 7: Transition and Animation

- 7.1. CSS Transition
- 7.2. What are Animations?
- 7.3. CSS 3 Animations
- 7.4. Working with Key frames

References

- W3 Schools
- Sitepoint



Software required

- Editor like notepad, notepad++
- IDE: Eclipse/ Visual Studio
- Browsers (IE, Google Chrome, FireFox and Opera)