Training
NEXT EXIT ↗

4 Days Course on

Introduction To Development Using

HTML5, CSS3 & jQuery

HTML **CSS**

5+3

jQuery
write less, do more.

TWO
TWO SIGMA TECHNOLOGIES

About The Course

HTML5, CSS3 and Javascript together enable web designers and developers to create dynamic and flexible web content. CSS3 is used in conjuction with HTML5 and Javascript to add effect to page elements and even create animated effects without the need for browser plugins. Content can be made to response to different devices, screen-size and orientation which is important for both desktop and mobile websites and applications. This course will bring you quickly up to speed with these key technologies which underpin the web. The course provides a through introduction into the use of HTML5, CSS3 and jQuery to create Web sites that target the capabilities of modern browsers.

Objectives

- Create dynamic, responsive content for devices across platforms, including mobile devices.
- Use jQuery to make rich user experience and unlock the potential of HTML5.
- Debug your web sites in the browser.
- Know how to use the latest input types and attributes to improve forms and make them easier to use on mobile devices.
- Responsive site design with media queries – make your site adapt to browser size and mobile devices.

Prerequisites

Experience in Java Script and HTML

Course Settings

Venue/Date	Refer to Training Calendar
Timings	0900-1700
Inclusive	Certificates and notes
Course Fee	Contact Us at sales@2-sigma.com
Audience	IT Officer, Web Developer and Programmer

HTML5 Essential – 4 Days Schedule

Day 1	
9.00am – 10.00am	**HTML5 Fundamentals** • Overview of HTML5 • Comparing HTML5 to XHTML • Changes to existings tag
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	• Deprecated elements and attributes • Browser supported • Modernizr Javascript library • HTML5 Shiv and polyfills **HTML5 Structural Elements** • New block-level semantic elements • New text-level semantic elements • Creating a document outline **Audio and Video** • Browser support for Audio/Video • formats • Audio and Video elements • Media element API and events
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	**HTML5 Web Forms** • New form attributes • New input attributes • New form elements • New input elements • Form validation **Introduction To CSS3** • What's new in CSS3 • Benefits of using CSS3 • Browser Support • Vendor prefixes
Day 2	
9.00am – 10.00am	**CSS3 Properties** • Custom fonts • Changing the opacity of text and images • Creating rounded corners, adding shadow to boxes and using images as borders
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	• Creating multiple columns for laying • out text • Working with RGBA and HSL colour models **CSS3 Selectos and Pseudo-Classes** • New attributes selectors

	• Selecting the nth elements • Selecting the nth of a type **Working With Different Media Types** • Media Queries • Changing layout based on screen size • Designing for mobile devices
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	**Introduction to Bootstrap** • Layout with bootstrap • Everyday bootstrap • Bootstrap components • Bootstrap and Javascripts **jQuery Fundamentals** • Overview of jQuery • Downloading and using jQuery • Benefits of using jQuery • Uses of the jQuery function
Day 3	
9.00am – 10.00am	**jQuery Selectors and Filters** • Using jQuery selectors and filters • Selecting single and multiple • elements • Operating on wrapped sets • Method chaining
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	**jQuery Events** • jQuery event model • Binding and removing event handlers • Delegated and direct events • Event object • Common jQuery event
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	**Page Animation With Effects** • Controlling visibility • Creating slide and fade effects • Creating custom animations • Animation queuing and callback functions
Day 4	
9.00am – 10.00am	**Ajax Request Using jQuery** • Ajax overview • Loading remote HTML • Making Ajax requests using the $.ajax() function • Using the $.get() and $.post() functions
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	**jQuery Form Enhancement** • Using form selectors and filters

	• Handling keyboard and focus events • Improving behavior and appearance • Performing form validation • Using the validation plugin
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	**Utility Functions** • Disabling animations • Using other Libraries with jQuery • String and array manipulation **jQuery Plugins** • Benefits of plugins • Integrating popular plugins • Image manipulation with slideshow and caraousels

More Information

Two Sigma Technologies
19-2, Jalan PGN 1A/1, Pinggiran Batu Caves,
68100 Batu Caves, Selangor
Tel: 03-61880601/Fax: 03-61880602

To register, please email to sales@2-sigma.com or fax the registration form to 03-61880602, we will contact you for further action.

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