

HTML5, CSS3, JQUERY SYLLABUS



HTML

- HTML - Introduction
- HTML - Elements
- HTML - Tags
- HTML - Text
- HTML - Formatting
- HTML - Pre
- HTML - Attributes
- HTML - Font
- HTML - Text Links
- HTML - Comments
- HTML - Lists
- HTML - Images
- HTML - Image Links
- HTML - Tables
- HTML - Bgcolor
- HTML - Color Codes
- HTML - Color Chart
- HTML - Background
- Web Forms
- HTML - Forms
- HTML - Input
- HTML - Text Fields
- Hidden Fields
- HTML - Password
- HTML - Reset
- HTML - Submit
- HTML - Checkboxes
- HTML - Radio
- HTML - Select
- HTML - Hidden Fields
- HTML - Upload
- HTML - Textarea
- Special Tags
- HTML - Body
- HTML - Meta
- HTML - Style
- HTML - Div
- HTML - Layouts
- HTML - Frames
- Formatting Tags
- HTML - Bold
- HTML - Paragraphs
- HTML - Headings
- HTML - Line Breaks

- HTML - Horizontal Rule
- HTML - Email
- HTML - Italic
- HTML - Code
- HTML - Superscript
- HTML - Subscript
- HTML – Strikethrough
- CSS Padding
- CSS Dimension

CSS

CSS Introduction

- CSS Syntax
- CSS Id & Class
- CSS How
- CSS Display
- CSS Positioning
- CSS Floating

CSS Styling

- Styling Backgrounds
- Styling Text
- Styling Fonts
- Styling Links
- Styling Lists
- Styling Tables
- CSS Navigation Bar
- CSS Image Gallery
- CSS Image Opacity
- CSS Align

CSS Box Model

- CSS Border
- CSS Outline
- CSS Margin

JAVASCRIPT

Introduction

- JavaScript Overview
- JavaScript Syntax
- Type of JavaScript
- Embedding Script In HTML File
- Variable

Operators

- Arithmetic
- Logical
- Comparison
- Assignment
- Conditional

Conditional Statement & Looping Statement

- If
- If. Else
- Switch
- While
- Do/while

- For

Function & Object

- Passing Parameter to function
- Returning a value from function
- Creating Object
- Accessing Object Properties &

Method

- Array Object
- String Object
- Date Object
- Math Object
- Window Object
- Navigator Object

Event Type

- Mouse Events
- Frame/Object Events
- Form Events

HTML5 Introduction

Semantic Elements

- <article>
 - <aside>
 - <figcaption>
 - <figure>
 - <footer>
 - <header>
 - <mark>
 - <nav>
 - <progress>
 - <section>
 - <summary>
 - <time>
- Datetime
 - Datetime-local
 - Email
 - Month
 - Number
 - Range
 - Search
 - Tel
 - Url
 - Time
 - Week

Form Elements

- <datalist>
- <keygen>
- <output>

Form Attributes

- autocomplete
- autofocus
- form
- formaction
- formenctype
- formmethod
- formnovalidate
- formtarget
- height and width
- list
- min and max

Form Input Types

- Color
- Date

- multiple
- pattern (regexp)
- placeholder
- required
- step

Media Elements

- <source>
- <audio>
- <video>

Canvas

- Line
- Circle
- Text
- Rectangle
- Paths
- Bezier
- Quadratic
- Images
- Create Gradients

Canvas vs. SVG

SVG

- Circle
- Rectangle Stroke
- Rounded Rectangle
- Rectangle
- Circle Stroke
- Ellipse
- Line
- Polyline
- Text
- Gradients
- Fill Patterns
- Clip Path
- Masks

Drag and Drop

- Drag and Drop
- ondragstart and setData()
- ondragover

Geolocation

Web Storage

- Local Storage
- sessionStorage

Web Workers

App Cache

SSE

CSS3

CSS3 Introduction

Borders

- border-radius
- Border Images

Backgrounds

- Background Size
- background-origin

Text Effects

- text-shadow
- box-shadow

Text

- text-overflow
- word-wrap
- word-break

Fonts

Transforms

- 2D Transforms

- 3D Transforms

Transitions

- transition-delay
- transition-duration
- transition-property
- transition-timing-function

Animations

- animation-delay
- animation-name

Multiple Columns

- column-count
- column-gap
- column-rule-style
- column-rule-width
- column-rule-color
- column-rule
- column-span

- column-width

User Interface

- resize
- outline-offset

JQUERY

Overview

- What is jQuery?
- Downloading and installing jQuery
- Creating a simple jQuery enabled page
- Overview of jQuery's features

Retrieving Page Content

- Using basic jQuery selectors
- Using basic jQuery filters
- Using jQuery attribute filters
- Child, visibility, and content filters
- Form selectors and filters
- Traversing documents
- Understanding jQuery statement

chaining

Manipulating Page Content

- Creating, getting, and setting content
- Manipulating attributes
- Inserting content
- Wrapping, replacing, and removing content
- Working with CSS

Working with Events

- Understanding the jQuery event handling features

- Binding and unbinding events
- Convenient event helper methods
- Using the jQuery event object

jQuery Animations and Effects

- Hiding and showing elements
- Fading elements in and out
- Sliding elements

- Creating custom animations

Using the jQuery UI Plug In

- Introduction to jQuery
- Exploring the jQuery UI widgets
- Exploring the jQuery UI effects
- Using the jQuery UI ThemeRoller

- Downloading and installing jQuery UI

Putting It All Together

- Overview of the sample web site
- Using the accordion widget
- Creating an image rotator
- Building hover tooltips
- Making an image selector
- Using the Resizable effect

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