

**Ui**

## HTML

- What is HTML?
- What is a Web Browser?
- What are Versions of HTML?
- What can You Do with HTML?
- HTML Development Environments
- Using a WYSIWYG Editor
- Using an HTML Editor
- Writing Code with a Text Editor
- Publishing Documents

## Review of HTML Elements

- Rules of Syntax
- Making your Code Readable
- Making your Code XHTML Compliant
- Building a Document
- Using Colors
- Adding Color to your Page
- Using Headings
- Using Paragraphs
- Using Block quotes
- Using Entities
- Aligning Block-Level Elements

## Inserting Spaces and Line Breaks

- Displaying Preformatted Text
- Formatting with Inline Elements
- Controlling Fonts
- Introducing List Elements
- Creating Unordered Lists
- Creating Ordered Lists
- Creating Definition Lists
- Nesting Lists
- Indenting Text with the <ul> Tag

## What is an HTML Table?

- Building a Table
- Using the Border Attribute
- Cell Padding and Cell Spacing
- Controlling Table and Cell Width
- Aligning a Table on the Page
- Aligning Tables and Text
- Aligning Table Data
- Spanning Columns and Rows
- Nesting Tables
- Adding Color to Tables
- Using Tables as a Design Tool

## Creating a Hyperlink

- Understanding and Using URLs
- Linking to a Web Document
- Linking to a Local Document
- Linking to Anchors
- Opening a New Browser Window
- iFrame

## Graphic File Formats

- Optimizing Image and File Size
- Inserting Inline Images, ImageMap, Sprite Image
- Aligning and Formatting Images
- Using Images to Anchor Links
- Creating a Look-and-Feel
- Sizing and Scaling Images
- Using Transparent Images
- Using GIF Animation

## Forms and Controls

- Forms , Form Elements
- Form Actions, Form Methods , Form Design

## CSS 3.0

### Border

- border-image
- border-radius

### CSS Shadows

- Text-shadow
- Box-shadow

### Background

- background-clip
- background-size
- background-origin
- background-image

### Transitions

- transition
- transition-delay
- transition-duration
- transition-property

### Transform

#### 2D Transforms

- transform
- matrix()
- translate(x,y)
- scale(x,y)
- rotate(angle)
- skew(x-angle,y-angle)

#### 3D Transforms

- transform
- transform-style
- perspective
- transform-origin

### Animations

- @keyframes
- animation
- animation-direction
- animation-duration
- animation-name

### Selectors

- CSS combinations

- Pseudo Elements

## Gradients

- Linear Gradients
- Radial Gradients

## User Interface

- resize
- box-sizing
- outline-offset

## CSS Filters

- Blur
- Brightness
- Contrast
- Grayscale
- Hue-rotate
- Invert
- Opacity
- Saturate
- Sepia
- Drop-shadow

## Media Query

- What is Responsive Web Design
- Intro to the Viewport
- The Viewport Tag
- Media Queries
- Fluid Layouts
- Tablet Styles
- Mobile Styles
- Making a Mobile Drop-down Menu
- Responsive Images & Poly IIs

## Web Fonts

- @font-face
- font-family
- src
- font-stretch
- font-style
- font-weight

## JavaScript

### Introduction to JavaScript

- Syntax
- Statements
- Comments

### Enabling in various browsers

### Popup Boxes

- Alert
- Confirm
- Prompt

### Variables

### Operators

- Arithmetic
- Assignment

- Comparison
- Logical
- Conditional

### Conditional Statements

- if
- if...else
- if...else if...else
- Switch

### Loops

- while
- do...while
- for
- for...in Statement
- Break
- Continue

### Functions

- User-defined Functions
- Function Syntax
- Function with Arguments
- Returning Values from Functions
- Built-in Functions
- parseInt and parseFloat

### Events

- Introduction
- Mouse Events
- Keyboard Events
- Form Events
- Document/Window Events

### Cookies

### Page redirection

### Built-in Objects

- Introduction
- Number
- Strings
- Math
- Arrays
- Associative Array
- Array Properties and Methods
- Date
- Boolean
- Regexp

### Advanced javascript

- Form Validations
- Basics of Form Validation
- Validating Radio Buttons
- Validating Checkboxes
- Validating Select Menus
- Validating Textareas

### JS Document Object Model (DOM)

- Introduction
- DOM HTML

- DOM CSS
- DOM Events

## JS Browser Object Model (BOM)

- JS Cookies
- JS Window
- JS Location
- JS Popups
- JS Time

## Introduction to OOP concept

- ES 6 Introduction
- Let & Const
- Arrow Functions
- Modules
- Export & Import

## Jquery

- Getting Started with jQuery
- Selecting Elements
- Manipulating the Page
- Traversing the DOM and Chaining
- jQuery Utility Methods
- Handling Events and Event Delegation
- AJAX, JSON and Deferreds
- Enhancing with Animation Effects
- Grids , Tables with Ajax , Pagination, JQuery UI
- jQuery Best Practices

## HTML 5

### Introduction

### Laying out a page with HTML5

- Page Structure
- New HTML5 Structural Tags
- Page Simplification

### HTML5 - How we got here

- The Problems HTML 4 Addresses
- The Problems XHTML Addresses
- The New More Flexible Approach of HTML5 - Paving the Cowpaths
- New Features of HTML5
- The HTML5 Spec(s)
- Current State of Browser Support

### SECTIONS AND ARTICLES

- The section Tag
- The article Tag
- Outlining
- Accessibility

### HTML5 AUDIO AND VIDEO

- Supported Media Types
- The audio Element
- The video Element
- Accessibility
- Scripting Media Elements

- Dealing with Non-Supporting Browsers

### HTML5 FORMS

- Modernizr
- New Input Types

### HTML5 NEW FORM ATTRIBUTES

- autocomplete
- novalidate

### HTML5 NEW FORM FIELD ATTRIBUTES

- required
- placeholder
- autofocus
- autocomplete
- form
- pattern

### NEW FORM ELEMENTS

- datalist
- progress and meter

### HTML5 WEB STORAGE

- Overview of HTML5 Web Storage
- Web Storage
- Other Storage Methods

### HTML5 CANVAS

- Getting Started with Canvas
- Drawing Lines
- Color and Transparency
- Rectangles
- Circles and Arcs
- Quadratic and Bezier Curves
- Images
- Text

### BootStrap

#### Introduction to Bootstrap

- Introduction
- Quick Styles After Dark
- Our First Web Page
- What's Inside?
- Scripts and Styles
- Core Concepts
- Summary

#### Layout with Bootstrap

- Introduction
- Grid Layouts
- Simple Layout
- Fixed Grids
- Fluid Grids
- Responsive Design
- Responsive Utilities
- Inspiration
- Summary

## Everyday Bootstrap

- Introduction
- Typography
- Tables
- Forms
- Buttons
- Images and Icons
- Summary

## Bootstrap Component

- Introductions
- Drop down Menu
- Buttons with Menus
- Tabs and Pill
- The Navbars
- Heros, Badges, Labels, and Media
- Summary

## Interview Q&A

- Discussing the Previous Interview Questions

## POC

- Implementing the Mini Project