

HTML

Week #1: HTML & its Elements.

- What is a Web Browser?
- What are Versions of HTML?
- What can You Do with HTML?
- HTML Development Environments
- Using an HTML Editor
- Rules of Syntax
- Making your Code Readable
- Using Colors
- Adding Color to your Page
- Using Headings
- Using Paragraphs
- Using Blockquotes

Week # 2: 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 Tag

Week #3: 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

Week #4: 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
- Creating a Frameset
- Adding the Frame Elements
- Creating the Frames
- Using the Noframes Element
- Using Inline Frames

Week #5: Graphic File Formats

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

- Making an Image Fade In
- Finding and Creating Graphics
- Using GIF Animation

CSS

Week #6: CSS Overview Syntax

- What is CSS
- Advantages of CSs
- CSS versions
- The Type Selector
- The Class Selector
- The Child Selector
- The ID Selector
- The Attribute Selector
- Multiple Style Rules
- Grouping selector

Week #7: CSS – Inclusion

- Embedded CSS – the <style> element
- Inline CSS – the style attribute
- External CSS – the <link> element
- CSS Rules Overriding
- CSS Measurement
- CSS Colors – Hex codes
- CSS Background
- CSS padding and margin
- CSS fonts
- CSS text

Bootstrap

Week #8: Bootstrap Scaffolding

- Why Bootstrap?
- Including Bootstrap
- Customizing install
- Responsive Design
- The "container" class
- How Grids work in Bootstrap
 - Grid classes (.col-xs-, .col-sm-, .col-md-, .col-lg-)
 - Adding offsets to columns
 - Pushing and pulling columns
 - Nesting columns
- Navigation components
 - Navs
 - Navbars
- Jumbotron component
- Page component
 - Headers
 - Panels
 - ListGroup
 - Breadcrumbs
 - Labels
 - Buttons
 - Glyphicons (with buttons, toolbars and form inputs)
 - Wells

Week #9: Forms and plugins

- Creating forms
- Inline and horizontal forms
- Form validation
- Alert Messages
- Buttons and button groups
- Tabs
- Collapse
- Carousel
- Modal

JAVASCRIPT

Week #10: Elements of javascript

- Why javascript
- Whitespace
- Names
- Numbers
- Strings
- Statements
- Expressions

Week #11: Functions

- Function Objects
- Function Literal
- Arguments
- Return
- Exceptions
- Recursion
- Callbacks
- Module
- Cascade

Week #12: Arrays & Methods

- Array Literals
- Length
- Array delete
- Enumeration
- Dimensions
- Methods