HTML 5 & CSS 3

- ✧ **Vision And Future Of HTML5**
  - What Is HTML5? History of HTML5
  - Philosophy of HTML5
  - Future Of HTML5

- ✧ **Getting Started With HTML5**
  - Browser Support
  - Features Detection
  - Support For Legacy Browsers
  - Graceful Degradation
  - Emulation on of HTML5
  - Developer Tools in HTML5

- ✧ **Structure Of A Web Page**
  - HTML5 DOCTYPE
  - Page Encoding
  - Markup
  - Updated Elements
  - New Structural Elements
  - New Attributes in HTML5
  - Elements And Attributes
  - HTML5 And CSS3

- ✧ **HTML5 Forms**
  - The Needs For Web Applications in Changing Time?
  - Current Available Solutions
  - New Input Types
  - Input Type
  - Attributes of HTML5
  - Form Validation
  - Browser compatibilities

- ✧ **Audio/ Video**
  - The State of Web Audio/ Video on Plugins
  - The State Of A/V

- HTML Media
- HTML Multimedia
- HTML5 Audio/Video Markup
- Attributes And Methods
- Audio/Video Events
- Customizing A/V Controls

- ✧ **Canvas Vs. SVG Accessibility**
  - Using A Canvas
  - Context And Coordinates
  - Drawing Shapes
  - Working With Paths
  - Drawing Straight Lines, Circles and Arcs
  - Drawing Text

- ✧ **HTML5 Geolocation**
  - Geolocation
  - Privacy concerns
  - Two Main Methods and position objects
  - Handling Errors
  - The Position Options Object

- ✧ **HTML5 Web Workers**
  - The existing JavaScript Execution Model
  - HTML Web Storage
  - App Cache
  - HTML SSE
  - Web Workers
  - Usage Of Web Workers
  - Communication APIs
  - Handling Errors
  - Browser Support

- ✧ **HTML MathML**
- ✧ **HTML Semantic**

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CSS 3

The Power of CSS
- Doing More with Less
- A First Example
- Challenges
- Next Up

Introducing CSS3
- What is CSS3?
- The History of CSS
- Browser Support
- HTML5

Selectors and Pseudo Classes
- Attribute Selectors
- The Target Pseudo-Class
- UI Element States Pseudo-Classes
- Negation Pseudo-Class
- Structural Pseudo-Classes

Fonts and Text Effects
- Fonts on the Web
- Font Services
- The @font-face Rule
- Text Shadow
- Word Wrapping

Colours, Gradients, Background Images, and Masks
- Colour
- The Opacity Property
- Backgrounds
- background-origin, and background-size

Borders and Box Effects
- Image Borders
- Rounded Corners
- Box Shadow

Transitions, Transforms, and Animations
- Transitions and Transforms
- Transitions

Layout: Columns and Flexible Box
- Layout: Columns and Flexible Box
- Flexible Box Model

Vendor Prefixes
- What Are Vendor Prefixes?
- Maybe They Aren't So Bad
- Strategies

Embedding Media
- Video Formats
- Styling Video

Accessibility Features
- Web Accessibility
- The CSS3 Speech Module

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