**HMTL-5**

* Overview of HTML-5
* HTML5 new Elements
  + New Semantic/Structural Elements
  + New Form Elements
  + Removed Elements
  + Data Elements
* HTML-5 client side Storage

**CSS3**

* Introducing CSS3
* CSS3 Selectors
* Working with Color in CSS3
* CSS3 and page layout
* The CSS3 BOX Model
* CSS3 Transitions and Transforms

**JQuery**

* Day 1
  + Lesson 1: jQuery Fundamentals

1.1. jQuery Introduction

1.2. Why jQuery?

1.3. About jQuery.com

1.4. jQuery Code assistance

1.5. Using jQuery

1.6. Content Delivery Network(CDN)

* + Lesson 2: Using jQuery Selectors

2.1. Introduction to Selectors

2.2. Selecting Nodes by Tag Name

2.3. Selecting Nodes by ascendants and descendants

2.4. Selecting Nodes by ID

2.5. Selecting Nodes by Class Name

2.6. Selecting Nodes by Attribute Value

2.7. Selecting Input Nodes

2.8. Additional Selectors

* + Lesson 3: Working with JSON
    - 3.1. JSON Introduction
    - 3.2. JSON Types
    - 3.3. JSON vs. XML
    - 3.4. Working with JSON Object
    - 3.5. Using JSON in jQuery
* Day 2
  + Lesson 4: Interacting with the DOM

4.1. Iterating Through Nodes

4.2. Modifying Properties

4.3. Working with Attributes

4.4. Adding and Removing Nodes

4.5. Modifying Styles

4.6. Working with Classes

* + Lesson 5: Handling Events and Animations

5.1. Introduction

5.2. Traditional event attachment technique drawbacks

5.3. jQuery Event Model Benefits

5.4. jQuery Events

5.5. Handling Events

5.6. Binding to Events

5.7. Using live( ), die( ) delegate( ) and undelegate()

5.8. Handling Hover Events

5.9. Showing and Hiding Elements

* + Lesson 6: Working with Ajax Features and jQuery plugins
    - 6.1. Introduction
    - 6.2. jQuery Ajax Functions
    - 6.3. Loading HTML Content from the Server
    - 6.4. Making GET Requests
    - 6.5. Making POST Requests
    - 6.6. Introduction to the ajax() Function
    - 6.7. JQuery UI