

## **102- Advanced Web Design: Layout, Forms, and Scripting**

### **HTML Forms**

- How Forms Work: The Form Page and the Process Page
- <form>
- <input>
- Size
- Maxlength
- Get
- Post
- <textarea>
- Radio Buttons
- Checkboxes
- Select Menus

### **Simple Client-Side Validation of Forms**

#### **Advanced Tables**

- Other Tags

#### **<meta> Tags**

- Keywords
- Description
- Author
- Generator
- Refresh

#### **Multimedia**

- Best Practices
- Image Maps
- Videos
- Audio

### **Introduction to JavaScript and the Document Object Model**

- ECMAScript-262
- The Document Object Model

### **JavaScript in DOM Scripting/DHTML**

#### **Structure of JavaScript**

- window Object
- Prompts: alert(), prompt(), confirm()
- Nesting Quotes
- Multiple Statements
- link Object

- Functions
- Writing a function
- Passing an argument
- Concatenating strings and variables
- Calling from other functions
- getElementById
- getElementsbyTagName
- External File
- Embedded
- Inline

## **JavaScript Event Handlers**

- OnClick
- OnMouseover, On Mouseout
- OnLoad, onUnLoad
- OnSubmit
- OnFocus, Onblur
- value

## **Why DOM Scripting/DHTML?**

- Static Website
- Dynamic Website

## **Concepts in Review: Dynamic Technologies : HTML, XHTML, CSS, and DOM Scripting**

## **Capstone Project: Creating a Learning Game**

## **Appendix A: Special Characters**

## **Appendix B: Color Chart**

## **Appendix C: Additional Form Element**

## **Appendix D: Additional Tags**

## **Appendix E: More JS Methods**

## **Appendix F: Editing Solutions**

## **Appendix G: Website Publication: An Introduction to FTP**

## **Appendix H: What's Next? and What to Do with DOM Scripting/DHTML?**

- Client-Side Programming
- Server-Side Programming

## **Appendix I: Websites and Resources**

