

HTML5 Programming

Week 1	
Source	Topic/Activity Name
Chapter 1	Rationale + Intro PPT
	Objectives
	Introducing HTML
	Creating an HTML Web Page
	Text Editor
	Graphic Editor
	Identifying the Basic Structure of an HTML Page
	Exploring the <HEAD> Tag
	Exploring the <HEAD> Tag
	Exploring the <BODY> Tag
	Summary
Source	Topic/Activity Name
	Objectives
	Exploring the <BODY> Tag
Chapter 2	Working with Styles
	Identifying the Syntax of CSS
	Identifying the Types of Style Sheets
	Applying Multiple Style Sheets
	Identifying CSS Selectors
	Styling HTML Elements
	Summary
Source	Topic/Activity Name
	Objectives
	Styling HTML Elements
	Grouping and Nesting Styles
	Controlling the Visibility of Elements
	Positioning HTML Elements
	Q&A
	Summary
Source	Topic/Activity Name
	Objectives
	Applying Transitions, Animations, and Transformations
	Applying Transitions
	Applying Animations
	Applying Transformations
	Q&A
Chapter 3	Creating Tables
	Identifying the Basic Structure of a Table
	Summary
Source	Topic/Activity Name

	Objectives
	Enhancing Tables
	Activity 3.1: Creating a Table
	Accessing Multiple Web Pages Using Frames
	Creating Web Pages Using Frames
	Styling Frames
	Activity 3.2: Accessing Multiple Web Pages Using Frames
	Summary
	Total Time
Source	Topic/Activity Name
Chapter 4	Objectives
	Understanding Scripting
	Types of Scripting
	Identifying the Benefits of JavaScript
	Implementing JavaScript in Web Pages
	Embedding a Script into a Web Page
	Creating and Using an External File
	Identifying Rules and Conventions Used in JavaScript
	Using Variables, Operators, and Control Structures
	Defining Variables
	Using Operators
	Summary
Source	Topic/Activity Name
	Objectives
	Using Conditional Constructs
	Using Loop Constructs
	Break and Continue Statements
	Implementing Functions
	Introducing Functions
	Creating Functions
	Q&A
	Accessing Functions
	Summary
Source	Topic/Activity Name
Chapter 5	Objectives
	Designing an HTML Form
	Creating Forms
	Exploring Form Elements
	Manipulating the Components of a Web Page
	Working with Browser Objects
	Summary
Total Time	
Source	Topic/Activity Name
	Objectives
	Working with Browser Objects

	Working with Form Objects
	Summary
Source	Topic/Activity Name
Chapter 6	Objectives
	Introducing Canvas
	Creating a Canvas
	Working with Color, Shapes, and Styles
	Working with Path, Text, and Images
	Transforming and Animating Canvas Elements
	Transforming Canvas Elements
	Animating Canvas Elements
	Summary
Source	Topic/Activity Name
	Objectives
Chapter 7	Exploring jQuery
	Manipulating HTML Elements by Using jQuery
	Handling jQuery Events
	Adding Visual Effects Using jQuery
	Implementing Hide Effect
	Implementing Show Effect
	Implementing Toggle Effect
	Implementing Slide Effect
	Summary
	Total Time
Source	Topic/Activity Name
	Objectives
	Implementing Fade Effect
	Implementing Animate Effect
	Activity 7.1: Working with jQuery
	Implementing Image Rollover
	Creating Image Rollover
	Creating Backward Compatible Rollover
	Preloading Images
	Creating Image Gallery
	Using Colorbox Plugin
	Summary
	Source
	Objectives
Chapter 8	Using galleria Plugin
	Implementing Geolocation
	Implementing the Geolocation API
	Handling Errors
	Implementing Offline Support
	Implementing Client-side Storage
	Implementing Application Cache
	Summary













