



Course Code	TAPL1LF016
Course Name	Front-end Development
Course Name	(HTML, HTML 5, CSS, JavaScript, XML and JQuery)

Duration (in days)	5	Proficiency Level	Fundamental
Pre-requisites	C ProgrammingObject Oriented Concepts	Target Audience	Campus Hires

Learning Outcome

Upon successful completion of this course, participants will be able to

- Work with HTML tags, create web pages and link them
- Work with HTML5 new elements
- Change the look and feel of a webpage using Cascading Style Sheets (CSS)
- Do HTML5 styling with CSS and manage User experience across multiple browsers
- Use JavaScript objects for creating dynamic web pages and write scripts to process forms
- Appreciate the need for XML documents and create them
- Validate XML documents with DTD and XSD
- Transform XML documents to HTML with XSLT
- Manipulate DOM with JQuery

Day-wise Session Plan

Day	Unit	Objectives	Hours
1	HTML Fundamentals	HTML HTML documents Using doctype The head element Using <head> The body element Using id and class attributes HTML Text Headings Block and Inline Elements Whitespace Additional Text Elements Ist Types Creating Lists List Rendering HTML Links Link concepts Linking Documents Understanding Targets Linking to Targets Additional Link Attributes HTML Tables Table Elements</head>	2



		I
	Structuring a Table	
	Table Data	
	Spanning Columns and Rows	
	Formatting Tables	
	Table Formatting	
	HTML Images and Objects	
	 Image and Object Concepts 	
	Adding Images	
	Adding Objects	
	HTML forms fundamentals	
	Form Basics	
	Form Settings	
	HTML form inputs	
	Text inputs	
	Selections	
	Input attributes	
	• Input commands	
HTML Forms	Organizing HTML forms	2
	• Labels	_
	• Fieldsets	
	• Tab index	
	• Access keys	
	HTML form scenarios	
	Scripting forms	
	Handling multiple forms	
	Uploading files	
	What's new in HTML5	
	What is HTML5?	
	 New HTML5 Elements 	
	 New JavaScript APIs 	
	 When is HTML5 Fully Compliant With All 	
	Browsers	
	 Markup Example Before and After HTML5 	
	Detecting HTML5 Features	
	Semantic HTML	
	What Is Semantic HTML?	
	 Auditing a Site for Semantic Issues 	
	Auditing Our Project for Semanticism	
	Sectioning and Grouping Elements	
	Semantics and Screen Readers	
HTML5 Fundamentals	Main Flow Content	
HIMLS Fundamentals		4
	Marking up Main Flow Content Macdings and Implicit Sections	
	Headings and Implicit Sections	
	Creating Our Outline Using Headings	
	HTML Outlines	
	Outlines in HTML4 vs. HTML5	
	Finishing up Our Outline	
	Text-level Semantic Elements	
	Semantic Forms	
	 Final Remarks on Semanticism 	
	DOM Selection	
	Selection Basics	
	 Features of Selection API 	
	Forms	
	New Input Types?	
	New Input Types: Markup Review	
		I .



New Input Types: In Different Browsers to Native Validation Working with Pseudo Classes Exposing Custom Validation Messages: Part 1 Native Validation Rules Exposing Custom Validation Messages: Part 2 Custom Validation Rules Exposing Custom Validation Messages: Part 2 Custom Validation Rules Bootstrap Validation Module: Demo and Markup Bootstrap Validation Module: JavaScript HTML5 Design **** ****************************				
Working with Pseudo Classes Exposing Custom Validation Messages: Part 1 Native Validation Rules Exposing Custom Validation Messages: Part 2 Custom Validation Rules Exposing Custom Validation Messages: Part 2 Custom Validation Rules Bootstrap Validation Module: Demo and Markup Bootstrap Validation Module: JavaScript				
Exposing Custom Validation Messages: Part 1 Native Validation Rules Exposing Custom Validation Messages: Part 2 Custom Validation Rules Bootstrap Validation Module: Demo and Markup Bootstrap Validation Module: JavaScript HTML5 Design Natiful String With HTML5 HTML5 Audio & Video HTML5 Video Captions HTML5 Audio & Video HTML5 Video Captions HTML5 Aedio Captions Colors Colors Colors Colors HTML5 Aedio Captions HTML5 Aedio Captions HTML5 Aedio Captions HTML5 Aedio Captions Colors				
Part 1 Native Validation Rules Exposing Custom Validation Messages: Part 2 Custom Validation Rules Bootstrap Validation Module: Demo and Markup Bootstrap Validation Module: JavaScript HTML5 Design NHTML5 Design NHTML5 Audio & Video HTML5 Video Captions HTML5 Video Captions HTML5 Video Captions HTML5 Styling with CSS3 Overview of CSS Adding CSS3 and How Fonts Colors Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns SS3 Text: Selection & Columns CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript Programming JavaScript variables, operators and programming constructs Functions and Objects			 Working with Pseudo Classes 	
Native Validation Rules Exposing Custom Validation Messages: Part 2 Custom Validation Rules Bootstrap Validation Module: Demo and Markup Bootstrap Validation Module: JavaScript HTML5 Design XHTML5 Design XHTML5 Audio & Video HTML5 Video Captions HTML5 & Geolocation Styling With CSS3 Overview of CSS Adding CSS3 and How Fonts Colors Shadowing Rounded Corners Gradilents Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: Selection & Columns CSS3 Images CSS3 Images CSS3 Exts: Selection & Columns CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Urap-up User Experience Across Multiple Browsers Callenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript Programming A Introduction to JavaScript Vorking with DOM Form validations using DOM Introduction to XML				
Exposing Custom Validation Messages: Part 2 - Custom Validation Rules - Bootstrap Validation Module: Demo and Markup - Bootstrap Validation Module: JavaScript HTML5 Design - YHTML5 Design - YHTML5 Audio & Video - HTML5 Video Captions - HTML5 Video Captions - HTML5 Video Captions - HTML5 Audio & Video - HTML5 Styling With CSS3 - Overview of CSS - Adding CSS3 and How - Fonts - Colors - Shadowing - Rounded Corners - Gradients - Transforms - Form Inputs - CSS3 Text: Selection & Columns -				
Part 2				
Custom Validation Rules Bootstrap Validation Module: Demo and Markup Bootstrap Validation Module: JavaScript HTML5 Design **NHTML S. HTML5 Building with HTML5 **HTML5 Video Captions **HTML5 Video Captions **HTML5 Styling With CSS3 **Overview of CSS **Adding CSS3 and How **Fonts **Colors **Shadowing **Rounded Corners **Gradients **Transforms **Form Inputs **CSS3 Color & Opacity **CSS3 Color & Opacity **CSS3 Text: Selection & Columns **CSS3 Effects **Advanced CSS3 Animations CSS3 Walkthrough **How We Solve Problems **Exercise: Build an American Flag **Flag: Layout **Flag: Resets **Flag: Layout **Flag: Bata **Flag: Layout **Flag: Bata **Flag: Layout **Flag: Bata **Flag: Mrap-up User Experience Across Multiple Browsers **Challenges with Browsers **Fallbacks **Feature Detection **Usage Scenario** Intorrudction to JavaScript **JavaScript Programming **JavaScript Programming DoM **John DoM			 Exposing Custom Validation Messages: 	
Bootstrap Validation Module: Demo and Markup Bootstrap Validation Module: JavaScript HTML5 Design NHTML5 Design NHTML5 Audio & Video HTML5 Video Captions HTML5 Video Captions HTML5 & Geolocation Styling With CSS3 Overview of CSS Adding CSS3 and How Fonts Colors Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: Selection & Columns CSS3 Images CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Cayout Flag: Resets Flag: Cayout Flag: Resets Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript Programming A Introduction to JavaScript Working with DOM Form validations using DOM Introduction to XML A Introduction to XML A Introduction to XML Introduction to XML Introduction to XML Introduction to XML			Part 2	
Markup Bootstrap Validation Module: JavaScript HTML5 Design *XHTML vs. HTML5 Building with HTML5 HTML5 Video Captions HTML5 & Geolocation Styling With CSS3 *Overview of CSS Adding CSS3 and How Fonts Colors Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns Exercise: Sulid an American Flag Flag: Layout Flag: Resets Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript *JavaScript variables, operators and programming constructs Functions and Objects Form validations using DOM Introduction to XML *Introduction to XML			 Custom Validation Rules 	
Bootstrap Validation Module: JavaScript HTML5 Design **NHTML vs. HTML5 **Building with HTML5 **Building with HTML5 **HTML5 Audio & Video **HTML5 Video Captions **HTML5 & Geolocation Styling With CSS3 **Overview of CSS **Adding CSS3 and How **Fonts **Colors **Shadowing **Rounded Corners **Gradients **Transforms **Form Inputs **CSS3 Color & Opacity **CSS3 Text: Gelection & Columns **CSS3 Text: Gelection & Columns **CSS3 Images **CSS3 Images **CSS3 Images **CSS3 Images **CSS3 Iffects **Advanced CSS3 Animations CSS3 Walkthrough **How We Solve Problems **Exercise: Build an American Flag **Flag: Layout **Flag: Resets **Flag: Data Attributes and Stripes **Flag: Stars **Flag: Stars **Flag: Wrap-up User Experience Across Multiple Browsers **Challenges with Browsers **Challenges with Browsers **Challenges with Browsers **Challenges with Browsers **Teature Detection **Usage Scenario Intorrudction to JavaScript **JavaScript variables, operators and programming constructs **Feature Detection **Usage Scenario Intorrudction to JavaScript **JavaScript variables, operators and programming constructs **Feature Detection **Usage Scenario Intorrudction to JavaScript **JavaScript variables, operators and programming constructs **Feature Detection **JavaScript variables, operators and programming constructs **Feature Detection Sumbles **JavaScript variables, operators and programming constructs **Feature Detection Sumbles **JavaScript Variables, operators and programming constructs **Feature Detection Sumbles **JavaScript Variables, operators and programming constructs **Feature Detection Sumbles **JavaScript Variables, operators and programming constructs **Feature Detection Sumbles **JavaScript Variables, operators and programming constructs **Feature Detection Sumbles **JavaScript Variables, operators and programming constructs **Feature Detection Sumbles **JavaScript Variables, operators and programming constructs **JavaScript Variables, operators and programmi			 Bootstrap Validation Module: Demo and 	
HTML5 Design • XHTML vs. HTML5 • Building with HTML5 • HTML5 Audio & Video • HTML5 Video Captions • HTML5 & Geolocation Styling With CSS3 • Overview of CSS • Adding CSS3 and How • Fonts • Colors • Shadowing • Rounded Corners • Gradients • Transforms • Form Inputs • CSS3 Color & Opacity • CSS3 Text: @font-face & Shadows • CSS3 Text: @font-face & Shadows • CSS3 Iffects • Advanced CSS3 Animations CSS3 Mikthrough • How We Solve Problems • Exercise: Build an American Flag • Flag: Layout • Flag: Resets • Flag: Stars • Flag: Wrap-up User Experience Across Multiple Browsers • Challenges with Browsers • Fallbacks • Feature Detection • Usage Scenario Intoruction to JavaScript • JavaScript variables, operators and programming constructs • Functions and Objects • Event Handling using JavaScript • Working with DOM • Form validations using DOM Introduction to XML • Introduction to XML			Markup	
XHTMLUs.** HTML5** **Building with HTML5** **Building with HTML5** **Building with HTML5** **HTML5 Audio & Video **HTML5 Video Captions **HTML5 & Geolocation **Styling With CSS3** **Overview of CSS** **Adding CSS3 and How **Fonts** **Colors** **Colors** **Shadowing **Rounded Corners* **Gradients** **Transforms **Form Inputs* **CSS3** **CSS3** **CSS3** **CSS3** **CSS3** **CSS3** **CSS3** **Text: @font-face & Shadows **CSS3** **CSS3** **CSS3** **Language** **CSS3** **Language** **CSS3** **Language** **Lan			 Bootstrap Validation Module: JavaScript 	
Building with HTML5 HTML5 Audio & Video HTML5 Video Captions HTML5 & Geolocation Styling With CSS3 Overview of CSS Adding CSS3 and How Fonts Colors Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: Gent-face & Shadows CSS3 Text: Gent-face & Shadows CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Ota Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudiction to JavaScript JavaScript Programming JavaScript Programming JavaScript Variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM			HTML5 Design	
HTML5 Audio & Video			XHTML vs. HTML5	
HTML5 Video Captions HTML5 & Geolocation Styling With CSS3 Overview of CSS Adding CSS3 and How Fonts Colors Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: Gent-face & Shadows CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Wrap-up User Experience Across Multiple Browsers Flag: Wrap-up User Experience Across Multiple Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Form validations using DOM Form validations using DOM Introduction to XML			 Building with HTML5 	
HTML5 & Geolocation Styling With CSS3 • Overview of CSS • Adding CSS3 and How • Fonts • Colors • Shadowing • Rounded Corners • Gradients • Transforms • Form Inputs • CSS3 Color & Opacity • CSS3 Color & Selection & Columns • CSS3 Text: Selection & Columns • CSS3 Walkthrough • How We Solve Problems • Exercise: Build an American Flag • Flag: Layout • Flag: Resets • Flag: Data Attributes and Stripes • Flag: Stars • Flag: Wrap-up User Experience Across Multiple Browsers • Challenges with Browsers • Challenges with Browsers • Fallbacks • Feature Detection • Usage Scenario Intorudction to JavaScript • JavaScript variables, operators and programming constructs • Functions and Objects • Event Handling using JavaScript • Working with DOM • Form validations using DOM			 HTML5 Audio & Video 	
Styling With CSS3 Overview of CSS Adding CSS3 and How Fonts Colors Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: Getection & Columns CSS3 Images CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Wrap-up User Experience Across Multiple Browsers Flag: Wrap-up User Experience Across Multiple Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript Programming Java Script Programm			 HTML5 Video Captions 	
Overview of CSS			 HTML5 & Geolocation 	
Adding CSS3 and How Fonts Colors Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: @font-face & Shadows CSS3 Text: @font-face & Shadows CSS3 Inages CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript Programming 3 Java Script Programming 1 Java Script Programming Form validations using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML Introduction to XML			Styling With CSS3	
Fonts Colors Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: Gent-face & Shadows CSS3 Images CSS3 Malkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Fallback			Overview of CSS	
Colors Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: @font-face & Shadows CSS3 Text: @font-face & Shadows CSS3 Images CSS3 Malkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Opacity Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Functions and Objects Form validations using DOM Introduction to XML Introduction to XML Introduction to XML Introduction to XML			 Adding CSS3 and How 	
Shadowing Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: Gention & Columns CSS3 Images CSS3 Images CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript Variables, operators and programming constructs Functions and Objects Functions and Objects Form validations using DOM Introduction to XML Introduction to XMI Introduction to XML Introduction to XMI Introduction to XML Introduction to XML Introduction to XML			• Fonts	
Rounded Corners Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Images CSS3 Images CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript Programming JavaScript Programming JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML Introduction to XML			• Colors	
Gradients Transforms Form Inputs CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: @font-face & Shadows CSS3 Images CSS3 Images CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript Programming 3 Java Script Programming Functions and Objects Functions and Objects Functions and Objects Functions and Objects Form validations using DOM Introduction to XML 8			 Shadowing 	
### Transforms Form Inputs			Rounded Corners	
PForm Inputs CSS3 Color & Opacity CSS3 Text: Gelection & Columns CSS3 Text: Gent-face & Shadows CSS3 Images CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML 8			Gradients	
HTML5 Styling with CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: @font-face & Shadows CSS3 Images CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML			Transforms	
HTML5 Styling with CSS3 Color & Opacity CSS3 Text: Selection & Columns CSS3 Text: @font-face & Shadows CSS3 Images CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML			Form Inputs	
CSS3 Text: Selection & Columns		HTML5 Styling with		
CSS3 Images CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML Introduction to XML	2		· · ·	8
CSS3 Images CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML Introduction to XML				
CSS3 Effects Advanced CSS3 Animations CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Layout Flag: Stars Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML A Introduction to XMI Introduction to XML			CSS3 Images	
CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML				
CSS3 Walkthrough How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML			 Advanced CSS3 Animations 	
How We Solve Problems Exercise: Build an American Flag Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Functions and Objects Fevent Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML Based Introduction to XML				
Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers			_	
Flag: Layout Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers			Exercise: Build an American Flag	
Flag: Resets Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers				
Flag: Data Attributes and Stripes Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Functions and Objects Functions and Objects Vorking with DOM Form validations using DOM Introduction to XML Introduction to XML			<u> </u>	
Flag: Stars Flag: Wrap-up User Experience Across Multiple Browsers				
Flag: Wrap-up User Experience Across Multiple Browsers Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Fevent Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML Introduction to XML				
User Experience Across Multiple Browsers				
Challenges with Browsers Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML 8				
Fallbacks Feature Detection Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Introduction to XML 8				
Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML 8			_	
Usage Scenario Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML 8			Feature Detection	
Intorudction to JavaScript JavaScript variables, operators and programming constructs Functions and Objects Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML				
Java Script variables, operators and programming constructs Java Script Programming Functions and Objects Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML Java Script variables, operators and programming constructs Functions and Objects Form Handling using JavaScript Morking With DOM Introduction to XML			_	
programming constructs Introduction to XMI programming constructs Functions and Objects Functions and Objects Functions and Objects Functions and Objects Form Validations using JavaScript Form Validations using DOM Introduction to XML			·	
Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML 8				
Event Handling using JavaScript Working with DOM Form validations using DOM Introduction to XML 8	3	Java Script Programming	 Functions and Objects 	8
Working with DOM Form validations using DOM Introduction to XML 8			 Event Handling using JavaScript 	
Introduction to XML Introduction to XML				
4 Introduction to XIVII 8			 Form validations using DOM 	
Explain how XML documents are structured	1	Introduction to YMI	Introduction to XML	Ω
	4	THE OUDCION TO AIVIE	Explain how XML documents are structured	O



		Validation of XML Documents	 Element, attribute, and entity declarations in DTDs Validate XML documents with DTD Different schema constructs Validate XML documents with XSDs Concept of Namespaces 	
	5	jQuery	 Overview of JQuery Owenloading JQuery or using from CDN Use of \$() function Don't jump the gun – use of \$(document).ready() function DOM manipulation with JQuery Use of selectors in JQuery DOM traversal and manipulation Using Element, Class and ID Selectors with jQuery Modifying the Content and Styles of Selected Elements Adding and Removing Elements Using jQuery Adding JQuery UI plugins Datepicker Slider Accordion Tabs Binding events to elements 	8
H			Total	40