

# Module : HTML5 - how to create modern websites

In this training, you will learn how to create modern websites using HTML5 and CSS3 languages: installation, use tags, create CSS styles, create professional forms, add multimedia elements and publish your website.

**Prerequisite :** Know how to use a computer, know how to use a web browser.



**Ways to take this course:** Online Instructor Led  
Online self-paced  
Video On Demand

**Video conference tool :** ZOOM

**Duration :** 21 H (3 days)

## CSS style sheets (I)

Types of CSS  
Comments, units, colors  
Selectors by redefinition  
Classes, IDs, compound selectors  
Pseudo classes, attribute selectors  
Fonts, text, lists  
CSS for HTML tables

## OUTLINE

### Introduction to HTML5

Client/server web architecture  
PHP MySQL Platform  
Tools: install and test  
HTML: features and fersions  
Benefits of using HTML5  
Typical structure of HTML5 page  
Browser support  
Principle of CSS styles  
Principle of the Javascript language  
Code Validators

### Master HTML5 markup

Tag and attribute  
Paragraphs, line breaks, separator  
Titles, divisions, blockquote  
Bold and italic  
Special characters, entities  
Ordered and unordered lists  
Other common HTML tags  
Different types of web images  
Adding images to a page  
Figure and figcaption  
Links, anchors, imagemap  
Semantic tags  
HTML5 tables

### Lab: HTML5 and CSS3 (I)

The ATLANTIC sample site  
Site structure  
Create different webpages  
Adding tables and menus  
Adding content: text, images  
Creating CSS rules  
CSS Skin  
Testing the pages

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## Lab: HTML5 CSS3 (II)

Layout templates  
Tags for organize content  
Adding form to a webpage  
Add different fields  
Validate fields in HTML5  
Form submission  
The VINEYARD Project  
Positioning elements  
Use visibility and z-index  
Create a CSS3 animation  
Adding interactivity

## OUTLINE

### Use HTML5 forms

Different forms  
Insert a form  
Method, action, enctype  
Field categories  
HTML of each field  
HTML5 field validation  
Create a complete form  
Submitting a form  
Retrieve user entries(PHP)

### CSS Style Sheets (II)

Tags: inline, block  
Display property  
The box model  
Margins, edges, rounded edges  
Formatting a DIV box  
Rounded edges  
Center boxes and contents  
Float, clear and overflow  
CSS Positioning  
Visibility, z-index  
Displays, animations

### Audio, video and FTP transfer

Audio and video tags  
The different attributes  
Media API : examples  
Website hosting  
Install an FTP client  
Configure FTP  
Publish a website