# VISUAL QUICKSTART GUIDE



# HTML and CSS

Ninth Edition



**INCLUDES WEB EDITION WITH FREE VIDEO** 

# VISUAL QUICKSTART GUIDE

# HTML and CSS

9th Edition

JOE CASABONA



# HTML and CSS: Visual QuickStart Guide

# **Table of Contents**

Cover

Title Page

Copyright Page

Dedication

Acknowledgments

Contents at a Glance

**Tabl of Contents** 

Introduction

Chapter 1 What Are HTML and CSS?

What Is HTML?

What Is CSS?

How HTML and CSS Work Together

Wrapping Up

Chapter 2 Creating a Website on Your Computer

Using a Text Editor

**Using Advanced Tools** 

Website Directory Structures and File Extensions

Using CodePen for Quick Tests

Wrapping Up

Chapter 3 HTML Syntax

How HTML Tags Work

**Adding Comments** 



Structuring an HTML Page

The <meta> Tag

What Is Semantic Markup?

Wrapping Up

#### Chapter 4 Basic HTML Elements

HTML Text Formatting

Paragraphs and Headings

Lists

Quoting a Block of Text

Formatting Text Inline

Marking Up Code

Wrapping Up

# Chapter 5 Links

Link Markup

**URL Structure** 

Internal vs. External Linking

Relative vs. Absolute Linking

Other Types of Links

Link Targets

Wrapping Up

# Chapter 6 Structure and Layout with HTML

Webpage Layout

Block vs. Inline Elements

Page Sections

Building a Blog Article Layout

Wrapping Up



#### Chapter 7 Media

How Does Media Work on the Web?

**Images** 

Adding Images to a Page

Responsive Images: Considering Different Devices and

Connections

The <picture> Element

Using SVG

**Embedding Video** 

Other Media

**Embedding Audio** 

Storing Multimedia Files

Wrapping Up

# Chapter 8 Tables and Other Structured Data Elements

**Tables** 

**Description Lists** 

Why Is Structured Data Important?

Wrapping Up

#### Chapter 9 Web Forms

Interacting with Webpages

How a Web Form Works

Components of an HTML Form

The <form> Element

Form Fields

Labeling Fields

Setting Up a Basic Form



**Creating Select Boxes** 

Creating Radio Buttons

**Creating Checkboxes** 

**Creating Email Forms** 

Special Field Types

The <meter> Element

Validating Forms

Wrapping Up

#### Chapter 10 Advanced and Experimental Features

Its All About Browser Support

**Advanced Elements** 

**Experimental Features** 

Wrapping Up

#### Chapter 11 Introduction to CSS

What Are Styles?

What Does Cascading Mean?

**CSS Syntax** 

Using CSS on Your Webpage

External Style Sheets

Commenting Your CSS Code

Wrapping Up

#### **Chapter 12 Targeting Elements**

Targeting Elements by Tag

Targeting Elements by Class

The Cascade, Inheritance, and Parent-Child Relationships

Selecting Elements by their Relationships



Specificity and Precedence in the Cascade

Targeting Elements with Specific Attributes

**Advanced Targeting** 

Wrapping Up

#### Chapter 13 Styling Text

**Choosing Fonts** 

Google Fonts

Including External Fonts with @font-face

Sizing Text

Formatting Text

Formatting for Readability

Wrapping Up

#### Chapter 14 Color in CSS

**How Computer Monitors Work** 

Representing Color in CSS

Gradients

The border Property

Wrapping Up

### Chapter 15 Using CSS for Page Layout

The Box Model

Padding and Margins

**Element Flow** 

Creating Layers and Overlapping Elements

Creating an Overlay Using z-index

A Note About Creating Layouts

Wrapping Up



#### Chapter 16 Layouts with CSS Grid and Flexbox

Modern Solutions for an Important Problem

Using Flexbox

Using CSS Grid Layout

**Browser Support** 

Wrapping Up

#### Chapter 17 Responsive Design and Media Queries

**Defining Media Queries** 

Responsive Layouts

Making a Full-width Layout Responsive

Not Just for Screen Widths

Wrapping Up

#### Chapter 18 CSS Transformations and Animations

**CSS Transitions** 

**CSS Transformations** 

**CSS Animations** 

Wrapping Up

# Chapter 19 CSS Variables

What Are Variables?

Simplifying Styles with Variables

Calculations with Variables

Wrapping Up

# Chapter 20 CSS Preprocessors

How CSS Preprocessors Work

Getting Started with Sass

Writing Sass



Wra	pping	l In
vvia	uullu	OL
	- - J	- 1-

#### Chapter 21 Getting Your Website Online

Choosing Hosting and a Domain

Pre-Launch Check

Making Your Site Live

**Testing Your Site** 

Wrapping Up

#### Chapter 22 Testing Your Website

Why Test Your Website?

Validating Markup

**Browser Testing** 

**Device Testing** 

Troubleshooting with Chrome Developer Tools

Wrapping Up

#### Chapter 23 Improving Website Performance

What Do We Mean by Performance?

Know How Your Website Performs

Performance Testing Tools

Minify HTML and CSS Files

Optimize Your Images

Load Your Critical CSS First

Wrapping Up

#### Chapter 24 Web Accessibility

Including as Many People as Possible

What Youve Done so Far

Additional Tags and Attributes



Accessibility Tests and Validation

Finding Your WCAG Rating

Wrapping Up

Chapter 25 Going Beyond HTML & CSS

**JavaScript** 

Common JavaScript Libraries

**Version Control** 

**Build Tools** 

Wrapping Up

Final Wrap-up

Whats Next?

Index