Teach Yourself VISUALLY HTML and CSS

2nd Edition

Guy Hart-Davis





Teach Yourself VISUALLY* HTML and CSS

2nd Edition

by Guy Hart-Davis



Teach Yourself VISUALLY™ HTML and CSS

2nd Edition

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Guy Hart-Davis is the author of more than 175 computer books, including *Teach Yourself VISUALLY iPhone 14*, *Teach Yourself VISUALLY MacBook Pro and MacBook Air*, *Teach Yourself VISUALLY Google Workspace*, *Teach Yourself VISUALLY Chromebook*, *Teach Yourself VISUALLY Word 2019*, *Teach Yourself VISUALLY iPad*, and *Teach Yourself VISUALLY Android Phones and Tablets*, 2nd Edition.

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How to Use This Book

Who This Book Is For

This book is for the reader who has never used this particular technology or software application. It is also for readers who want to expand their knowledge.

The Conventions in This Book

1 Steps

This book uses a step-by-step format to guide you easily through each task. **Numbered steps** are actions you must do; **bulleted steps** clarify a point, step, or optional feature; and **indented steps** give you the result.

2 Notes

Notes give additional information — special conditions that may occur during an operation, a situation that you want to avoid, or a cross reference to a related area of the book.

3 Icons and Buttons

Icons and buttons show you exactly what you need to click to perform a step.

4 Tips

Tips offer additional information, including warnings and shortcuts.

Bold

Bold type shows command names, options, and text or numbers you must type.

6 Italics

Italic type introduces and defines a new term.

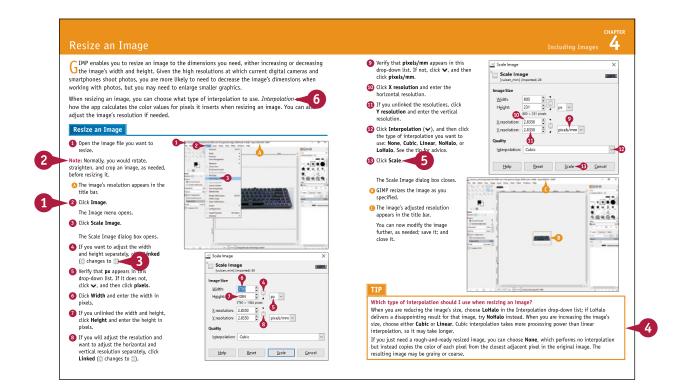
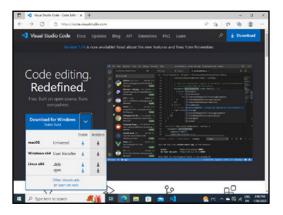


Table of Contents

Chapter 1

Getting Ready to Create Websites

Grasp How the Web Works	4
Understanding HTML, CSS, and Responsive Web Design	6
Understanding Static and Dynamic Web Pages	8
What Is a Responsive Website?	9
Understanding Tools for Creating Web Pages	10
Prepare to Create Your Website	12
Install Visual Studio Code	14
Meet and Configure Visual Studio Code	16
Install GIMP	20
Install the Major Browsers	22
Create a Folder Structure for Your Website	24



Chapter 2

Creating Your First Web Pages

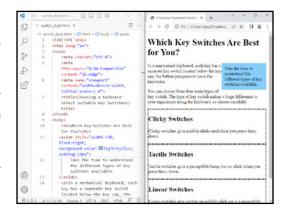
Study the Anatomy of a Web Page	28
Tell Visual Studio Code Which Folder to Use	30
Create Your First Web Page	32
Open the Web Page in a Browser	34
Add Headings and Text	36
Nest One Element Within Another Element	38
Add Comments	39
Apply Direct Formatting	40
View a Page's Source Code	41
Validate a Web Page	42



Create Another Web Page	44
Understanding the Essentials of Hyperlinks	45
Create a Hyperlink Between Your Web Pages	46
Interpret HTTP Status Codes	48

Chapter 3

Structuring a Web Page



Chapter 4

Including Images

Grasp the Essentials of Web Image Formats	68
Launch GIMP and Perform Essential Moves	70
Rotate or Straighten an Image	74
Crop an Image	76
Resize an Image	78
Reduce the Number of Colors in an Image	80
Convert an Image to the Format You Need	82
Learn the HTML for Images	84
Insert an Image	86
Create a Figure with a Caption	88

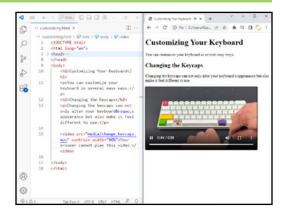


Table of Contents

Chapter 5

Working with Links

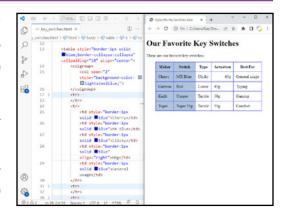
Grasp the Essentials of Links	92
Create a Link to a Web Page	94
Create a Link to Elsewhere on the Same Web Page	96
Specify the ScreenTip for a Link	98
Redirect the Browser to a Different Page	99
Create a Link for Downloading a File1	00
Create a Link That Starts an Email Message1	01
Create a Link from an Image1	02
Create Multiple Links from an Image1	04
Include an Audio File in a Web Page1	80
Include a Video File in a Web Page1	10
Embed a YouTube Video in a Web Page1	12



Chapter 6

Creating Lists and Tables

Grasp the Different Types of Lists	116
Create a Numbered List	118
Create a Bulleted List	120
Create a Definition List	122
Nest One List Inside Another List	124
Learn the HTML for Tables	126
Create a Table	128
Add Rows or Columns to a Table	130
Specify Table Width and Column Width	132
Format Table Borders	134
Adjust Table Padding and Spacing	136
Create Groups of Columns	138
Align Tables, Rows, and Cells	140
Create Cells That Span Rows or Columns	142

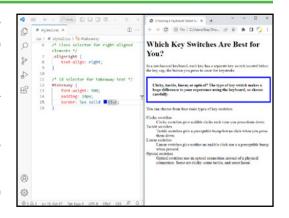


Set a	Backgrour	nd Color	or Image	for a	Table	143
Nest (One Table	Inside A	nother T	able	• • • • • • • • • • • • • • • • • • • •	144

Chapter 7

Getting Started with CSS

Grasp How CSS Works	148
Format Elements with Inline CSS	150
Format a Page Using Internal CSS	152
Create an External CSS File	154
Link an External CSS File to a Web Page	156
Distinguish Element, Class, and ID Selectors	158
Apply Styles Using Element Selectors	159
Apply Styles Using Class Selectors	160
Apply Styles Using ID Selectors	162



Chapter 8 Formatting Text with CSS

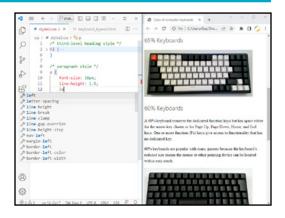
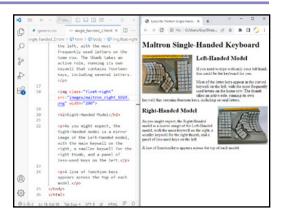


Table of Contents

Chapter 9

Sizing and Positioning with CSS

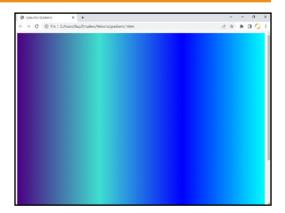
Understanding Pseudo-Classes	.190
Apply Contextual Formatting with Pseudo-Classes	.192
Understanding CSS Combinators	.194
Target Elements Using CSS Combinators	.196
Understanding Pseudo-Elements	.198
Apply CSS to Pseudo-Elements	.200
Override CSS by Using the !important Declaration	.202
Understanding the CSS Box Model	
Understanding Ways of Sizing Elements	.206
Specify the Size for an Element	.208
Specify Padding and Borders for an Element	.210
Set Margins to Control Element Spacing	.212
Understanding CSS Positioning Essentials	.214
Create Block Quotes	.216
Fix an Element in Place in the Viewport	.218
Float an Element Beside Another Element	.220
Understanding the display Property	.222
Control the Display of an Element	.223
Create a Flexbox Lavout	.224



Chapter 10

Creating Responsive and Appealing Pages

Understanding the Tools for Creating	
Responsive Pages	228
Apply Relative Sizing	230
Add Media Queries to a Page	232
Set Tap Targets for Touch Screens	234
Set the Viewport Size	236
Check Your Pages on Various Devices and Screens	238
Understanding How CSS Gradients Work	240
Apply a Linear Gradient to an Element	242
Apply a Radial Gradient to an Element	244
Using Sprites	246
Understanding CSS Animations	248
Apply Transitions to HTML Elements	250
Create a Keyframe Animation	252



Chapter 11

Creating Forms

Grasp Web Form Essentials	.256
Create a Form	.258
Add Text Input Controls to a Form	260
Add Radio Buttons to a Form	.262
Add Check Boxes to a Form	.264
Add a Drop-Down List of Options to a Form	.266
Add Command Buttons to a Form	.268

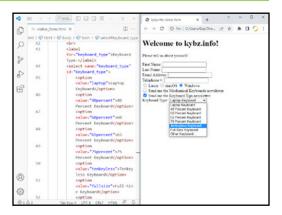
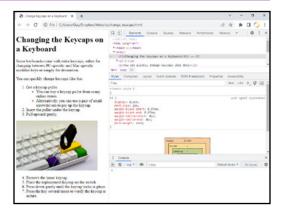


Table of Contents

Chapter 12

Taking Your Website to the Next Level

Understanding How Search Engines Work	.272
Optimize Your Website for Search Engines	.274
Guide Search Spiders with a robots.txt File	.276
Understanding Accessibility Issues for Websites	.278
Meet Chrome's Live Development Tools	.280
Troubleshoot CSS with Chrome DevTools	. 282
Using a Staging Server	.288
Understanding Front-End Frameworks	. 290

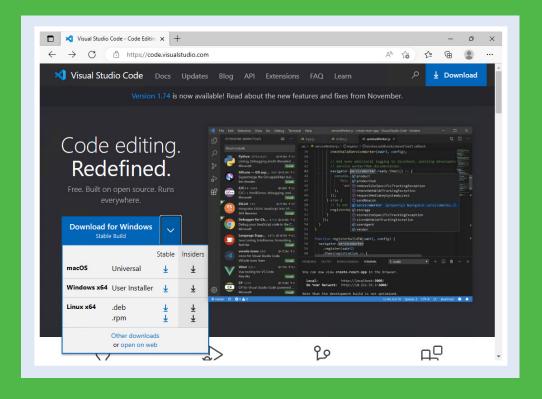


Index...... 292



Getting Ready to Create Websites

In this chapter, you get ready to create your website or websites. You learn the essentials of how the Web works and the technologies that power it, plan your website, and install the apps you will need to create the website. You also get a domain name and web hosting if you do not already have them.



Grasp How the Web Works 4
Understanding HTML, CSS, and Responsive Web Design \dots 6
Understanding Static and Dynamic Web Pages8
What Is a Responsive Website?
Understanding Tools for Creating Web Pages10
Prepare to Create Your Website
Install Visual Studio Code
Meet and Configure Visual Studio Code 16
Install GIMP
Install the Major Browsers
Create a Folder Structure for Your Website 24

Grasp How the Web Works

The World Wide Web, nowadays usually just called the Web, consists of a vast number of websites accessible through the Internet using a web browser. Each website contains one or more web pages — usually, many more. Each web page is identified by a unique address called a *Uniform Resource Locator*, or URL. To request a web page, the user enters its URL in a web browser app, either by typing the URL or by clicking a link. The web server hosting the website transmits the requested page to the browser, which displays the contents for the user to view.

What Is a Web Page?

A web page is a digital document that is accessed through the Web using a web browser app. Web pages are components of websites, discussed next, which are hosted on web servers, discussed later.

Web pages can contain text, images, audio or video files, and other digital resources, such as documents that visitors can download. Web pages are arranged and formatted using Hypertext Markup Language, HTML or short, and Cascading Style Sheets, CSS. Web pages contain contents that can be static or dynamic; they may also contain interactive features, such as forms, that enable visitors to input data or interact with the content.

What Is a Website?

A website is a collection of web pages hosted on a web server and made accessible to web browsers via the Web. A website typically contains multiple pages that are connected to each other by hyperlinks, forming a coherent structure that lets visitors navigate quickly between the various areas of the website.

A website typically aims to serve a specific purpose. For example, a personal website might showcase the owner's interests and talents; an organization's website might explain that organization's purpose and aims and encourage visitors to join; or a company's website might present the company in the best possible light and provide ways to buy its products.

What Is a Web Server?

A web server is software that responds to requests from web clients, such as web browsers, and returns content if it is available and permitted. A web server stores web pages, images, videos, and other content so that it can serve them to clients.

A web server can run on almost any computer hardware, from diminutive computers such as the Raspberry Pi series up to dedicated server machines deployed in full-scale facilities called *server farms*. As of this writing, many web servers are deployed on cloud-based infrastructure, such as Amazon Web Services, AWS, or Microsoft Azure.

A web server can run on just about any computer operating system, including Windows, macOS, Linux, and the mobile operating systems iOS, iPadOS, and Android.

Web servers are a critical part of Internet infrastructure and deliver web content to users throughout the world.

What Is a Web Browser?

A web browser is an app used to access and display web pages and other content on the Web. Using a web browser, you can go to a web page either by typing or pasting its address or by clicking a link. Web browsers use Hypertext Transport Protocol, HTTP, or its secure variant, Hypertext Transport Protocol Secure, HTTPS, to request web pages from web servers and then display the content in the browser window.

Popular web browsers include Google Chrome, Mozilla Firefox, Microsoft Edge, and Apple's Safari. These browsers have many features to make browsing easier and faster, such as bookmarks and tabbed browsing.

How Does a Web Browser Find the Web Server Hosting a Website?

When you enter a website's URL into the browser's address box, the browser uses the Domain Name System, DNS, to discover the Internet Protocol address, or IP address, for the web server hosting the website. DNS uses a hierarchical system of servers to organize, store, and return the IP address associated with each domain name.

A domain name is a text-based identifier that represents a unique location on the Internet. For example, www.wiley.com is the domain name of the website for John Wiley & Sons, Inc., publisher of this book and many others. A domain name consists of multiple parts. The rightmost part is the top-level domain, or TLD — in this case, .com. Moving toward the left, the next part — in this case, wiley — is the second-level domain. The next part, www, is the subdomain.

Understanding HTML, CSS, and Responsive Web Design

pefore you start creating pages for your website, you will likely find it helpful to understand Dthe essentials of HTML and CSS, the two languages with which you will be working throughout this book. This section introduces you to HTML and CSS. It also gives you an executive overview of responsive web design, an approach intended to make websites equally accessible by different types of devices with different screen sizes and resolutions.

HTML standards and CSS standards are developed and maintained by the World Wide Web Consortium, W3C, with contributions from many companies and organizations, including the makers of the major browsers.

What Is HTML?

HTML is the abbreviation for Hypertext Markup Language, a language used to create web pages. Hypertext means text that includes hyperlinks to other locations on the same page or to other pages, so when you click the linked text, the browser displays the linked location or page.

HTML enables you to "mark up" text and other elements with codes that specify how the elements appear. For example, you can mark up a paragraph as a first-level heading by enclosing it in the appropriate HTML codes, which are <h1> at the beginning and </h1> at the end:

<h1>This Is a Heading 1 Paragraph</h1>

Similarly, you can mark up a paragraph as being regular "paragraph" text by enclosing it in and codes:

This is a paragraph of regular text.

The nearby illustration shows how this heading and paragraph look using the Google Chrome browser's default styles for the h1 element (A) and the p element (B). You can control the formatting by defining and applying styles of your own.

HTML is currently at version 5, which is generally referred to as HTML5. But rather than being a fixed version, HTML5 is what is called a living standard, with development continuing and new features being released. So although HTML5 was first released in January 2008 and went through a major update in October 2014, it is still the current version as of this writing in April 2023 — and it looks likely to remain the current version for at least several years to come.

This Is a Heading 1 Paragraph

This is a paragraph of regular text.



What Is CSS?

CSS is the abbreviation for Cascading Style Sheets, a language used to format web pages written in HTML. CSS enables you to control the visual layout and appearance of web pages, including the fonts, colors, spacing, and positioning used for text and other elements.

CSS consists of text-based instructions that specify the formatting to apply to particular elements. For

example, you could create an h1 style to format the h1 element mentioned in the previous section.

You can implement CSS in three ways: as an external file, as styles embedded in the HTML document, or as styles applied inline within a particular HTML tag. Using an external file is usually best, because it enables you to format multiple HTML documents using a single style sheet. When you need to make changes, you can change the external CSS rather than having to change the individual documents.

How Do You Create HTML and CSS?

Both HTML and CSS consist of text-only files, so you can create them using even the most basic text editor, such as the Notepad text editor included with Windows. However, to create HTML and CSS quickly and accurately, you will usually do better to use a text editor or integrated development environment that provides features for entering and checking code. Such text editors are often referred to as code editors.

This book recommends Microsoft's Visual Studio Code, a free code editor that runs on Windows, macOS, and Linux and that includes some integrated development environment features. See the section "Install Visual Studio Code," later in this chapter, for instructions on getting Visual Studio Code.

What Is Responsive Web Design?

In the early days of the Web, most people browsing it would use a desktop computer or laptop computer with a screen capable of displaying at least a moderate amount of information — say, 1024×768 resolution or higher. Most web pages were designed and coded to be easily readable on such screens. If you accessed such a web page using a much smaller or lower-resolution screen, you would likely see only part of the page's width at a readable size and would need to scroll horizontally to see the rest.

Nowadays, visitors use many different types of devices, from desktop computers with huge screens all the way down to tablets and smartphones with comparatively tiny screens. This variety of browsing devices means that one-size-fits-all web design is no longer satisfactory for most websites.

To cater to different devices, website builders use an approach called *responsive web design*. Responsive web design creates pages that can adapt to different device types, different screen sizes, and changes in orientation between portrait and landscape.

In responsive web design, a web page's layout and content automatically adjust to suit the screen size of the browsing device. Responsive web design uses flexible grid systems, images, and typography to change a web page's layout. It uses media queries to apply different styles suited to the device's screen size.

Responsive web design has several clear advantages over static web design. First, a responsive web page delivers a consistent user experience across different types of devices rather than favoring some devices over others. Second, a responsive web page is easier for visitors to read, navigate, and use. Third, a responsive web page improves accessibility, enabling people with disabilities to access it satisfactorily. Fourth, a responsive web page can improve search engine optimization, or SEO for short.

Understanding Static and Dynamic Web Pages

For your website, you can create either static web pages or dynamic web pages. A *static* web page is one whose content is fixed and does not change unless the page is edited. By contrast, a *dynamic* web page is one whose content changes as needed.

Static web pages are well suited to some purposes, and you will likely want to create some static pages for your website. However, it is likely that many of your web pages will benefit from displaying up-to-date information or from responding to a visitor's needs, so you will need to create dynamic pages, too.

Comparing Static Web Pages with Dynamic Web Pages

Static web pages are straightforward to create using HTML and CSS, the technologies on which this book focuses. Some static web pages may also benefit from functionality using the JavaScript scripting language.

Static web pages are suitable for websites that do not need frequent updates or content changes, such as company websites, landing pages, and personal blogs. Static web pages are also more secure than dynamic web pages, because they do not have a database connection that hackers might be able to exploit. Static pages may have a fixed format, but they can also be responsive, using media queries — discussed in Chapter 10 — to adapt to the screen of the device requesting them.

Given a fast Internet connection, static web pages should load quickly for visitors, because the server needs only to provide the existing file. By contrast, dynamic web pages typically require the server to perform some processing before it can send the web page to the browser.

Dynamic web pages are more complex than static web pages and take more work to create. Dynamic web pages require the use of server-side scripting languages such as PHP, ASP.NET, and Java.

Dynamic web pages enable you to create more interactive and feature-rich websites that can be updated frequently. Dynamic web pages are great for websites that benefit from frequent updating, such as news sites, social media sites, or e-commerce sites. Dynamic web pages give you greater flexibility than static web pages, because you can customize them to meet the needs of your company or organization.

As an example of the difference between static web pages and dynamic web pages, consider a web page that displays the menu for a restaurant. If you create a static page, the menu remains the same unless you edit the file. That is doable, but you might need to change the menu every day, updating the dishes and the prices. Instead, you could create a dynamic web page that pulls in the details of the day's special dishes from a database, together with the current price for each menu item. This way, the menu remains current without you needing to edit it.

What Is a Responsive Website?

Are responsive website is one built to adapt automatically to different screen sizes and resolutions so as to provide a good viewing experience on all devices. Your website is likely to attract visitors using desktop computers, laptop computers, tablets, and smartphones, so you should make sure that your website appears in a satisfactory way on different screen sizes, resolutions, and aspect ratios.

A responsive website uses a CSS feature called *media queries* to determine the screen size and resolution of visiting devices and to adjust the layout, font sizes, and image sizes to suit the devices.

Comparing Responsive Websites and Nonresponsive Websites

A responsive website is a website that checks what type of device is accessing the site and displays its contents in a suitable way for that device. For example, if you visit a responsive website using your desktop computer, which has a large screen, the website serves your computer versions of the pages formatted for the large screen.

By contrast, if you go back to the same responsive website using your mobile phone, the web server serves up versions of the pages formatted to suit the smaller screen.

A nonresponsive website simply gives each visitor the same type of page, regardless of whether it fits the visiting device or not. The nonresponsive website does not check to see what type of device is visiting.

Normally, you would want to create a responsive website rather than a nonresponsive website. Building a responsive website has several key advantages:

- The website's content is consistently usable across different devices using a single codebase. You do not need to create separate websites for different types of devices.
- Having a single codebase simplifies developing and updating the website and reduces maintenance costs.
- Having the website viewable and usable on different devices can increase brand recognition and increases
 the likelihood of visitors sharing your website on social media, which may drive extra traffic to the
 website. Such success naturally also depends on the quality of your website's content; responsiveness
 helps, but it is no panacea.

See Chapter 10 for information on making your website responsive.

Understanding Tools for Creating Web Pages

M any different types of tools are available for creating web pages and websites. This section summarizes the various types of tools available and then points you toward the tools this book uses to illustrate creating HTML and CSS files.

Both HTML files and CSS files contain only text, so you can create these files by using a text editor. However, you will likely prefer to use a code editor, an app that helps you enter code correctly and quickly. You will probably also need a graphics-manipulation app for creating images suitable for use on web pages.

Text Editors

A text editor is an app for creating and editing text. Both HTML files and CSS files consist only of text, so you can use even the most rudimentary text editor to create and edit them. For example, Windows includes the venerable but still serviceable text editor Notepad, shown editing an HTML file in the nearby illustration.

Notepad and other text editors offer no specific features for creating HTML and CSS. Some purists prefer this type of minimalist approach, but most people benefit from having help in completing and checking code.

```
form3 - Notepad
                                                                     П
File Edit Format View Help
<!DOCTYPE html>
<html lang="en">
<head>
        <meta charset="UTF-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-</pre>
        <title>kybz.info: Visitor Form</title>
</head>
<body>
        <h1>Welcome to kybz.info!</h1>
        Please tell us about yourself and your interests.
        <form action="">
    <fieldset width="400">
       <legend>Your Details</legend>
                 <label for="first_name">First Name: k/label>
<input type="text" name="first_name" id="first_name">
                 <label for="last_name">Last Name:</label>
                 <input type="text" name="last_name" id="last_name">
                 <br>
        <br>
                 <label for="email">Email Address:</label>
                 <input type="email" name="email" id="email">
                 <label for="telephone">Telephone #:</label>
                 <input type="tel" name="telephone" id="telephone"</pre>
pattern="[0-9]{3}-[0-9]{3}-[0-9]{4}">
                           Ln 16, Col 38
```

Word Processors

A word processor is an app for creating documents consisting of text, graphics, and other objects, laid out and formatted as needed. While you can use a word processor to create HTML files and CSS files, it is not usually a good choice, as it brings a plethora of features that you must avoid using, such as formatting, layout, graphical objects, and revision marking.

Where a word processor may be helpful is for creating web pages from your existing word processing documents. For example, Microsoft Word enables you to save documents to three web formats: the Single File Web Page format; the Web Page format; or the Web Page, Filtered format. Normally, you would choose the Web Page, Filtered format, because it gives the most compact result, retaining only the information needed to display the web page and discarding information relevant only to the document in Word format. The Web Page format saves all the Word formatting information as well, effectively saving the entire Word document in HTML format. The Single File Web Page format creates a large file containing all the objects required to make up the Word document.

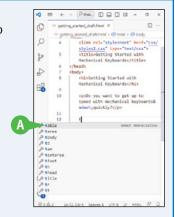
Code Editors

A code editor is a text editor enhanced with extra features for creating code — anything from HTML code to programming code. Normally, a code editor is your best choice for creating HTML files and CSS files from scratch and editing them thereafter.

The nearby illustration shows automatic code completion (A) in Microsoft's Visual Studio Code, the free code editor that this book recommends for working with HTML and CSS. See the section "Install Visual Studio Code," later in this chapter, for instructions on putting Visual Studio Code on your computer.

Other widely used code editors include Sublime Text, www.sublimetext.com, which costs \$99 after a free

evaluation without a time limit but with reminders to buy; UltraEdit, www. ultraedit.com, which offers a free 30-day trial and then costs \$79.95 per year for a subscription or \$149.95 for a "perpetual" license; and Notepad++, www.notepad-plus-plus.org, which is free but runs only on Windows.



Website Builders

Website builders are simplified tools that enable you to build a website by dragging and dropping predesigned elements onto a customizable template. Website builders are good for people or small businesses that want to create a straightforward website quickly and without coding.

Widely used website builders include Weebly, www. weebly.com; Wix, www.wix.com; and Squarespace, www.squarespace.com. Most website builders offer web hosting, so you need not find a separate web host.

Many web hosts provide access to one or more website builders. So if you already have a web host, see whether it offers a website builder.

Content-Management Systems

A content-management system, abbreviated CMS, is a web-based app for creating, managing, and publishing web pages, blog posts, and images. CMSs provide a wide range of templates for websites, giving you many choices of design and functionality. They also provide tools for

managing and publishing content, including scheduling posts, integrating social media, and SEO optimization.

Widely used CMS platforms include WordPress, www. wordpress.com; Joomla, www.joomla.org; and Drupal, www.drupal.org.

Graphics Tools

To create image files suitable for your website, you will need a graphics-manipulation tool. This book recommends GIMP, the GNU Image Manipulation Program, which is free and runs on Windows, macOS, and Linux. It is available from www.gimp.org; see the section "Install GIMP," later in this chapter.

If you work with graphics professionally, you may already have a suitable graphics-manipulation tool, such as Adobe Photoshop or Adobe Illustrator. Such tools are more than adequate for creating image files for your website. Adobe, www.adobe.com, offers Photoshop and Illustrator as either single-app subscriptions or as part of a subscription to its Creative Cloud suite of more than 20 apps. Special pricing is available for students, teachers, schools, and universities.

If you have Windows, you might also want to try the built-in Paint app; if it proves inadequate, try the free version of Paint.net from www.getpaint.net. If you have macOS, you might also experiment with the capabilities of the built-in Preview app and the Photos app. For Linux, go straight to GIMP.

Prepare to Create Your Website

Before creating your website, you may need to choose a web host on which to host the website, register a domain name under which the website will appear on the Web, and get and apply a Secure Sockets Layer, SSL, certificate to secure the traffic between your website and its visitors.

Which steps you will need to take depends on your situation. If you or your company already have web hosting, skip that step; likewise, skip the domain name and SSL certificate steps if you already have those. When ready, move on to the next section, "Install Visual Studio Code."

Choose a Web Host

If you or your company do not have a web host, start by identifying a suitable one and signing up for a hosting plan appropriate to your needs.

Many web hosts are available, as you can find in seconds by searching on the Web. When evaluating web hosts, you will normally want to consider the following features:

- **Price.** Use price to select a range of web hosts and plans that you can afford, and then apply the other factors in this list to grade the hosts and plans. Do not judge on price alone in isolation.
- **Uptime and reliability.** Your website needs to be up, running, and available 24/7 to serve visitors. Choose a web host that offers a high percentage of uptime 99.9 percent uptime is considered the minimum uptime percentage for dedicated hosts and high reliability.
- **Customer support.** Make sure the web host offers strong customer support via all the channels you will want to use email support, phone support, and live chat support.
- **Performance and speed.** Web users easily become frustrated with sites that are slow to load, so make sure your web host delivers fast loading speeds. Look for a web host that uses a content delivery network, CDN for short. A CDN is a geographically distributed server system that delivers web content to visitors based on their geographical location rather than delivering all content from a central point that may be geographically distant from some visitors.
- **Scalability.** Make sure the web host enables you to upgrade your hosting plan as your website and its traffic grow. Such scalability helps you avoid outgrowing your web host and having to move to another host, which is a major and expensive upheaval.
- **Security, backup, and recovery.** The web host should provide SSL certificates, malware detection, and firewalls to keep websites secure. The host should also offer set-and-forget backup features to keep your website's data protected in case of corruption or hardware failure, plus easy-to-use tools for recovering your website from the latest viable backup.

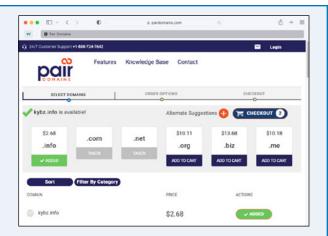
Register a Domain Name

If you do not have a domain name for your website, now is the time to get one. Open a browser window to a domain registrar, search to identify an available domain name that suits you, and register it. The nearby illustration shows the registration interface at Pair Domains.

As of this writing, these are five of the leading domain registrars:

- GoDaddy, www.godaddy.com
- Domain.com, www.domain.com
- Namecheap, www.namecheap.com
- Google Domains, https://domains.google
- Porkbun, www.porkbun.com

All these domain registrars offer a wide range of top-level domains, or TLDs. These TLDs range from .com, .org, and .net — three of the original six TLDs created in the 1980s — to newer TLDs such as .art, .biz, and .shop. Prices vary wildly, with the most popular TLDs being far more expensive.



Various TLDs are restricted to bodies that meet qualification criteria. For example, the .gov TLD is reserved for U.S. government agencies and entities, the .mil TLD is reserved for the U.S. military, and the .edu TLD is reserved for accredited post-secondary education institutions in the United States. Disappointingly, the .cat TLD is restricted to the Catalan linguistic and cultural community, but the .dog TLD, the .pet TLD, and the .animal TLD are open to all.

Choose a Type of SSL Certificate

SSL is the abbreviation for Secure Sockets Layer, a networking security protocol used to establish an encrypted link between a web browser and a web server, ensuring that all data passed between them remains private and secure even if it is intercepted in transit. To make sure that browsers can access your website safely, you will need to get an SSL certificate and apply it to the website's domain.

You have two main options for getting an SSL certificate. First, you can get an SSL certificate from your domain registrar when you register the website's name. Second, many web hosts offer SSL certificates for the domains you host on their servers. A third option is to get an SSL certificate from a different domain registrar, but this circuitous approach is seldom beneficial.

Usually, you would want to find out what SSL certificates your web host offers before paying for an SSL certificate from your domain registrar.

Various types of SSL certificates are available, such as the following:

- A trial certificate is a time-limited certificate that enables you to test whether the certificate meets your needs; if it does, you can buy another certificate to replace it.
- A positive certificate enables encryption for your website's data and has a relatively small relying party warranty, \$10,000.
- A basic certificate also enables encryption but has a much higher relying party warranty, \$250,000.
- A positive wildcard certificate enables encryption for multiple subdomains within your domain, so you do not need to buy a separate certificate for each subdomain.

Install Visual Studio Code

As explained in the section "Understanding Tools for Creating Web Pages," earlier in this chapter, a code editor is your workaday tool for creating and editing HTML documents and CSS files. Many different code editors are available, but this book recommends Visual Studio Code, a powerful but free code editor from Microsoft. Visual Studio Code runs on Windows, macOS, and Linux, with a similar interface on each platform.

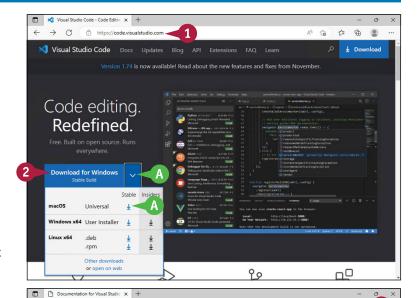
Microsoft offers two separate builds of Visual Studio Code. The Stable build is what you will normally want to install. The Insiders build contains new features and fixes and may not be entirely stable.

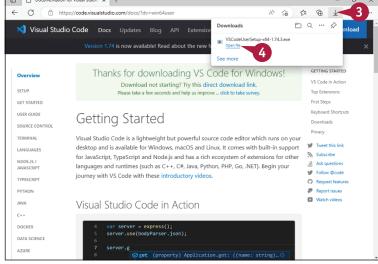
Install Visual Studio Code

- 1 In a web browser, go to code. visualstudio.com.
 - The Visual Studio Code website's home page appears.
- 2 Click **Download Stable Build**. This button shows your computer's operating system, which the page automatically detects.
- A If you want to download Visual Studio Code to use on a computer with a different operating system or if you want to download an Insiders build rather than a Stable build, click the drop-down arrow (♥), and then click Download (♣) for the operating system and build you want.

The download begins.

- 3 Open the browser's Downloads pane or window. For example, in Microsoft Edge, click **Downloads** (<u>↓</u>) if the Downloads pane does not open automatically.
- Open the downloaded file. For example, in Microsoft Edge, click Open file under the downloaded file's name.





Getting Ready to Create Websites

- On Windows, the installer runs automatically.
- 5 On the License Agreement screen, click I accept the agreement (○ changes to ○) if you want to proceed with the installation.
- 6 Click Next.
- On the Select Destination Location screen, click **Next** (not shown).
- 8 On the Select Start Menu Folder screen, click **Next** (not shown).
 - The Select Additional Tasks screen appears.
- Select Create a desktop icon (☑) if you want to create a desktop icon for Visual Studio Code.
- Select the two Add "Open with Code" action check boxes (☑) to give yourself an easy way to open files and folders in Visual Studio Code from File Explorer. See the second tip for details.

- Select Register Code as an editor for supported file types (☑) to register Visual Studio Code with Windows as an app that can open file types such as HTML and CSS.
- Select Add to PATH
 (requires shell restart)
 (☑) to add Visual Studio
 Code to the Windows path.
 This tells Windows where to
- Click **Next**, and then click **Next** again on the Ready to Install screen.

find Visual Studio Code.

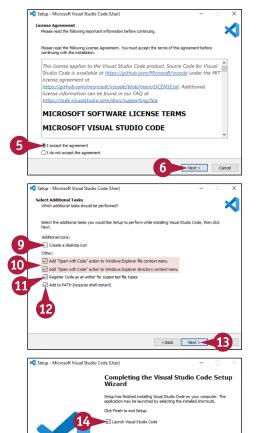
The installation runs.

The Completing the Visual Studio Code Setup Wizard screen appears.

- Click Launch Visual Studio
 Code (✓ changes to ☐) if
 you do not want to launch
 Visual Studio Code.
- 15 Click Finish.

The Setup Wizard closes.

Visual Studio Code opens, and you can configure it as explained in the next section.



TIPS

How do I install Visual Studio Code on macOS?

Double-click the downloaded Zip file to decompress it, and then drag the Visual Studio Code app file to the Applications folder.

What do the "Open with Code" options do?

Selecting Add "Open with Code" action to Windows Explorer file context menu () enables you to open file types that Visual Studio Code supports by right-clicking them in File Explorer and then clicking Open with Code on the contextual menu. Similarly, selecting Add "Open with Code" action to Windows Explorer directory context menu () enables you to open folders in Visual Studio Code.

Meet and Configure Visual Studio Code

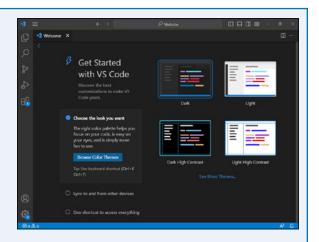
The first time you run Visual Studio Code, the app usually displays the Get Started with Visual Studio Code screen, which walks you through some initial configuration steps. You can return to the Get Started with Visual Studio Code screen later if you like; alternatively, you can use the app's other means of accessing its settings to configure the app to work the way you prefer.

The first change you will likely want to make is to the theme, which controls the overall look of Visual Studio Code. The app includes various dark themes and various light themes; third-party themes are also available.

Launch Visual Studio Code and Meet the Welcome Screen

Start by launching Visual Studio Code in the usual way for your computer's operating system. For example, on Windows, click **Start** (H) to display the Start menu, and then click **Visual Studio Code** (X).

The first time you launch Visual Studio Code, the app automatically displays the Welcome screen, which encourages you to choose several key configuration settings. For example, you can click **Get Started with VS Code** to display the Get Started with VS Code screen, shown here, which provides links to several key settings. You can also configure these settings later, as explained in the following subsections.



Choose the Theme for Visual Studio Code

By default, Visual Studio Code uses its Dark+ theme, which is easy on the eyes in low-light conditions but tends to get over-inked in books. To change the theme, click **Manage** (A, (3)) in the lower-left corner to display the Manage pop-up menu, click **Themes** (B) to display the Themes continuation menu, and then click **Color Theme** (C), as shown here.

In the Color Theme picker, press and to move the selection highlight up and down the list of themes. Visual Studio Code displays a preview of the selected theme. When you settle on the theme you want, press to apply it. From here on, this book uses the Light+ V2 (Experimental) theme for readability.

