Click to verify



Modern HTML FormWith the proliferation of free services in exchange for personal information, a modern HTML form has become more important in the capture of email addresses, passwords, usernames, etc. The inability to offer a seamless and pleasant experience in the informational exchange might cause your users to throw up their hands and rethink their want to use your service. In addition, today's web is leaps and bounds better looking than years before. With more and more website builders becoming mainstream and offering modern themes it'll be harder to convince users that your product is exciting if your HTML form is bland and unthoughtful. In this tutorial, I'll show you how you can go from this ... Simple HTML FormTo this ... Simple HTML FormTo this ... Mordern HTML FormThankfully forms aren't all that hard to write so we can get to the fun stuff (Styling the HTML FormThankfully forms aren't all that hard to write so we can get to the fun stuff (Styling the HTML FormThankfully forms) quicker. However, there are a couple of things we need to discuss before we rush off to do our styling. Let's begin... To start off we'll just create the basic structure down for our HTML Document lets build out the form within the body tag... Sign Up First name:

Last name:

Favorite Color:

Favorite Food:

function formSubmit(event) { event.preventDefault(); }...Nothing too interesting here. We've created a top-level container named "formContainer named to call formSubmit(event)" and the form. In regards to our form, we have specified that when we click the submit button we want to call "formSubmit(event)" and the form. In regards to our form, we have specified that when we click the submit button we want to call "formSubmit(event)" and the form. In regards to our form, we have specified that when we click the submit button we want to call "formSubmit(event)" and the form is the form. In regards to our form, we have specified that when we click the submit button we want to call "formSubmit(event)" and the form is the form. In regards to our form is the f with the event that triggered the function. Within the function, we just call "event.preventDefault();" so that if we accidentally hit the submit button our page doesn't get refreshed. Just a minor thing, not really important to the overall purpose of this article. Your form should now look something like this ... Step 2: Position HTML FormHere is the portion which people might have the hardest time getting their form to look just right. However, a lot of layout issues/hacks can be resolved with CSS Flexbox and that's what we'll be centering the form both vertically and horizontally. This is easily achievable with just three attributes: "display: flex", "justify-content: center", "align-items: center". Our first attribute "display: flex" signifies that we'll be using CSS Flexbox. The next one "justify-content: center" which vertically centers our content. Thumbs UpLet's actually apply this to our code. At the top of the CSS file add this ...body { display: flex; justify-content: center; align-items: center; align-items: center; You might notice that the form doesn't seem to be quite centered. That's because of the height of our body tag. Let's fix that with one line ...body { . . . height: 100vh; }Cool. Now we have a vertically and horizontally centered form. The next thing we'll do is start tweaking the layout of our form container. Go ahead and add this to the bottom of your CSS fileformContainer { display: flex; justify-content: center; }You will now see that the Sign Up header is to the left of our form instead of on top. This is actually expected. The way CSS Flexbox handles its elements by default is putting each child element in a row type direction. We can change this behavior with the "flex-direction: column" attribute. Add it to the bottom of the formContainer class like soformContainer { display: flex; justify-content: center; flex-direction: column; } Awesome so now we should see the Sign Up header at the top of our form. With that addition, we have a final product that looks like this ... Step #3: Style HTML FormStyling A SuitHere is the real focus of our article. Spicing the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'll be switching the form up with some extra CSS styles. Because we'l We can achieve this with just linear gradients and a selection of complementary colors. For the color selection, I'll be using www.material-ui.com/style/color/I generally find a diagonal gradient to be best. Go ahead and drop these three lines in our body classbody { . . . background: linear-gradient(to top left, #4A148C, #C51162); background-repeat: cover; color: white;} Because minimalism is a great way to make your design feel modern lets get rid of every line in each of our input boxes except the bottom one, creating a nice white underline. Add this to the bottom of the CSS fileinput { margin-bottom: 5vh; border-right: none; border-left: n outline: none; color: white; caret-color: white; And because we don't want any wasted space lets go ahead and change up our form to use placeholder text for the inputs titles

This is good but we still need to style the placeholder text as it doesn't look good grayed out. Place this block at the bottom of your CSS file.input[type=text]::placeholder text as it doesn't look good grayed out. Place this block at the bottom of your CSS file.input[type=text]::placeholder text as it doesn't look good grayed out. Place this block at the bottom of your CSS file.input[type=text]::placeholder text as it doesn't look good grayed out. Place this block at the bottom of your CSS file.input[type=text]::placeholder text as it doesn't look good grayed out. Place this block at the bottom of your CSS file.input[type=text]::placeholder text as it doesn't look good grayed out. Place this block at the bottom of your CSS file.input[type=text]::placeholder text as it doesn't look good grayed out. Place this block at the bottom of your CSS file.input[type=text]::placeholder text as it doesn't look good grayed out. 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Placeholder text as it doesn't look good grayed out. Placeholder text as it doesn't look good grayed out. Placeholder text as it doesn't look good grayed out. Place edges to make it a smoother design. Our final adjustment is to make sure our form is always a relative size to the screen. Add this to the bottom of the CSS fileformContainer { . . . height: 80vh; width: 20vw;} This gives us an upright rectangle which suits the column layout we specified for our usage of CSS Flexbox. Our final product should look like this ... Spongebob Dusting Off HandsConclusionLike stated earlier, forms are becoming more essential as we transition to a world of information the process is as pleasant and frictionless as possible. Creating modern beautiful looking forms can help alleviate any reservations a person might have about forking over private data. You could go so far as to inject CSS animations into your form if you wanted too. However, with this tutorial, you should now at least have an understanding of what goes into making a simple modern HTML form. In web development, forms are essential because they enable users to engage with websites by providing information like survey answers, feedback, and login credentials. A well-designed form guarantees smooth data gathering, increases accessibility, and improves user experience. In this blog, we will cover: The basics of using HTML to create forms Various kinds of form input fields. Learn enter and submit data is called an HTML form. Typically, a form's element has buttons, labels, selection options, and many input fields. Data is transmitted to a server for processing when a user submits a form, typically via the HTML form tonsists of:A element that acts as a container for all input fieldsInput fields (such as text boxes, radio buttons, and dropdowns)Labels that describe each input fieldA submit button to send the data to a server Full Name: Email: SubmitHTML offers various input elements to collect user data efficiently. Here are some of the most commonly used form fields:Collects single-line text input (e.g., name, username)Collects an email address and ensures proper formatMasks input characters for secure password entryAllows users to select multiple optionsCollects multi-line text input (e.g., comments, messages)Creates a dropdown list for selecting a valueEach input field should be paired with a to enhance readability and accessibility. By default, HTML forms appear plain and unstyled. CSS allows us to enhance their appearance, improving readability and accessibility. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance, improving readability and usability. By default, HTML forms appearance and usability and usability and usability and usability and usability and usability. By default, HTML forms appearance and usability and visibility. Font Styles: Customize text appearance for labels and input fields. Hover and Focus Effects: Highlight fields when users interact with them. Button Styling: Make submit buttons more noticeable. Example CSS for Form Styling Contact Form background: white; width: 300px; margin: auto; padding: 15px; border-radius: 10px; border-radius: 5px; bor Send See CSS Styling in Action: CSS Form Styling GuideMake use of appropriate spacing: Organize form components consistently and rationally. Draw attention to the targeted fields: To show the user's typing location, use the :focus pseudo-class. Assure responsiveness on mobile background: #1a252f; } devices: Make use of adaptable layouts to suit various screen sizes. Employ contrasting hues: Make it easier to read and make sure that everyone can access it. Make good use of placeholders text; it should just offer suggestions. A well-styled form not only looks professional but also enhances the overall user experience. Form validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitting a form. HTML provides built-in validation ensures that users enter correct and complete information before submitted as a form. HTML provides built-in validation ensures that users enter correct and complete information before submitted as a form. HTML provides built-in validation ensures that users enter correct and complete information before the correct and complete information before the correct and correct and complete information before the correct and corr enhances user experience. All submitted data should be validated by the backend prior to processing. When consumers enter wrong data, errors are clearly indicated. To draw attention to mistakes and successful messages, use colors and icons. Usability must be carefully considered while creating an effective form. The following are recommended procedures to adhere to:Don't complicate: Steer clear of fields that are superfluous and add to the form's length. Use clear labels: To help the user, make sure that each input field has a relevant label. Put similar fields together: Form elements can be logically arranged using fields that are superfluous and add to the form's length. Use clear labels: To help the user, make sure that each input field has a relevant label. Put similar fields together: error messages when they enter inaccurate or missing data. Make sure it's accessible: Use ARIA properties and semantic HTML to create forms that are usable by people with disabilities. Make sure buttons and input fields are the right size for touch interactions. Forms that are properly designed increase completion rates and lessen user annoyance, which results in improved user experience. Because they facilitate user interaction and data entry, forms are an essential component of web development. You can make forms that are both aesthetically pleasing and easy to use by properly structuring them using HTML and then improved user experience. Because they facilitate user interaction and data entry, forms are an essential component of web development. smooth user experience on all devices is also guaranteed by putting accessibility and validation into practice. Whether you're creating a straightforward contact form or a sophisticated registration system, knowing how to create forms that work can enhance both functionality and usability. Want to become an expert in web design, HTML, and CSS? Enroll in our Web Development Course now to discover how to easily create beautiful, interactive websites. To learn more about the course and begin your path to become a professional web development. In this tutorial, we will build a Survey Form that allows users to easily submit their responses. The form will include different input types such as text fields, checkboxes, and radio buttons, all designed using HTML for the structure and CSS for styling. What We're Going to Create: Survey Form Interface: We will design a simple form where users can easily input their responses using text fields, checkboxes, and radio buttons. User-Friendly Design: The form will be visually appealing and easy to navigate, ensuring a smooth user experience. Data Collection: The form will be styled to adapt to different screen sizes, ensuring it looks great on both desktop and mobile devices. Project Preview Build a Survey Form using HTML and CSS Code This survey form has a simple and flexible design that works well on any device. It includes different input options like text fields, checkboxes, and radio buttons, making it easy to fill out. The form also looks nice and has smooth effects, making it easy to use. index.html GeeksforGeeks Survey Form Name Email Age Which option best describes you? Student Intern Professional Other Would you recommend GeeksforGeeks Survey Form Name Email Age Which option best describes you? Student Intern Professional Other Would you recommend GeeksforGeeks to a friend? Yes No Maybe Languages and Frameworks known (Check all that apply) C C++ C# Java Python JavaScript React Angular Django Spring Any comments or suggestions Submit style.css /* Styling the Body element */ body { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; text-align: center; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; } /* Styling the Form */ form { background-color: #05c46b; font-family: Verdana; } /* Styling the Form */ form { background-color: #05c46b; text-align: left; margin-bottom: 25px; } /* Styling .form-control label { display: block; margin-bottom: 10px; } /* Styling .form-control input, .form-contr } /* Styling Radio button and Checkbox */ .form-control input[type="radio"], .form-con bottom: 20px; } Output: Build a Survey Form using HTML and CSSIn this code: The form collects user details like name, email, age, role, feedback, and more. Uses text, email, and radio button inputs for user data. Each input field is labeled for clarity. Allows users to select one or multiple options for feedback. A button to submit the survey. Body Styling Sets a green background with centered text and a simple font. Form Styling: The form has a white background, padding, and text areas are styled for consistency and usability. Button Styling: The submit button has a green background, with padding and full width for easy clicking.Responsive Layout: The form is centered and adapts to different screen sizes for better user experience. ConclusionIn this article, we built a simple and attractive survey form using HTML and CSS. The form collects basic information like name, email, and feedback using different types of input fields such as text boxes, radio buttons, and checkboxes. We also added styling to make the form look clean and easy to use. In this tutorial, you will learn how to create a registration form using HTML and CSS, this guide will help you build a functional and stylish registration form. When it comes to designing websites, one of the most essential elements is a registration form. It's the first step users take to sign up for a service or application. A registration form ensures that your users have an excellent experience on any device, whether they're on a phone, tablet, or desktop. In this guide, we'll walk you through the steps of creating a registration form using only HTML and CSS. This tutorial will provide all the necessary details to create a smooth and functional registration form. If you're looking to create a registration form using HTML and CSS, you will be able to build this registration form by following the steps outlined here. A registration form is important for any website or app. It's where users fill in key details like their name, email, and password. This is the first step to creating an account or signing up for a service. How to structure the clock with HTML How to style the clock using CSS Start by creating an new file called (index.html). Then, copy and paste the HTML code provided into this file. Remember to save it with the (.html) extension. Registration Form

Registration Form Full Name: Email: Password: Confirm Password: Confirm Password: Register Create a new file called (style.css) and copy the provided code into this file. Don't forget to save it with the (.css) extension. /* Global styles */ * { margin: 0; padding: 0; box-sizing: border-box; } body { font-family: 'Arial', sans-serif; background: linear-gradient(135deg, #6e7dff, #8e4ae6); display: flex; justify-content: center; align-items: center; align-items: center; height: 100vh; margin: 0; } .form-container { background-color: #fff; padding: 30px; border-radius: 12px; box-shadow: 0 8px 16px rgba(0, 0, 0, 0.15); width: 100%; max-width: 400px; text-align: center; } h2 { font-size: 24px; margin-bottom: 20px; color: #333; } form { display: flex-direction column; } label { font-size: 14px; color: #555; margin-bottom: 8px; text-align: left; } input { padding: 12px; border: 1px solid #ddd; border-color: #6e7dff; } button { padding: 12px; background-color: #6e7dff; color: white; border: none; transition: border 0.3s; } input: focus { border-color: #6e7dff; } button { padding: 12px; background-color: #6e7dff; color: white; border: none; transition: border 0.3s; } input: focus { border-color: #6e7dff; } button { padding: 12px; background-color: #6e7dff; color: white; border: none; transition: border 0.3s; } input: focus { border-color: #6e7dff; } button { padding: 12px; background-color: #6e7dff; color: white; border: none; transition: border 0.3s; } input: focus { border-color: #6e7dff; } button { padding: 12px; background-color: #6e7dff; color: white; border: none; transition: border 0.3s; } input: focus { border-color: #6e7dff; } button { padding: 12px; background-color: # border-radius: 8px; font-size: 16px; cursor: pointer; transition: background-color 0.3s; } button:hover { background-color with two structure the form with two structure the form with two structures are simple, yet effective registration form using HTML and CSS. By following the steps, you learned how to structure the form with two structures are simple, yet effective registration form using HTML and CSS. By following the steps, you learned how to structure the form with two structures are simple, yet effective registration form using HTML and CSS. By following the steps, you learned how to structure the form with two structures are simple, yet effective registration form using HTML and CSS. By following the steps, you learned how to structure the form with two structures are simple, yet effective registration form using HTML and CSS. By following the steps, you learned how to structure the form with two structures are simple, yet effective registration form using HTML and CSS. By following the steps, you learned how to structure the form with two structures are simple, yet effective registration form using HTML and CSS. By following the steps, you learned how to structure the form with the steps are simple, yet effective registration form using HTML and CSS. By following the steps are simple, yet effective registration form using HTML and CSS. By following the steps are simple form the step are simple form at the step are simple form HTML and style it with CSS to make it both functional and visually appealing. Creating forms is a fundamental skill for web development, and with the knowledge you've gained here, you can build various types of forms for different purposes, such as login forms, contact forms, or survey forms. The techniques used in this tutorial can be extended and customized to meet your specific design requirements, helping you enhance the user experience on your website. Whether you're a beginner or looking to brush up on your website. Whether you're a beginner or looking to brush up on your website. Whether you're a beginner or looking to brush up on your website. Whether you're a beginner or looking to brush up on your website. interactive and user-friendly. Happy Coding! The look of an HTML form can be greatly improved with CSS: Use the width property to determine the width property select text fields input[type=password] - will only select number fields input[type=number] - will only select number fields etc.. Use the padding property to add some margin, to add more space outside of them: First Name Last Name input[type=text] { width: 100%; padding: 12px 20px; margin: 8px 0; box-sizing property to border-box; } Try it Yourself » Note that we have set the box-sizing property to border-box. This makes sure that the padding and eventually borders are included in the total width and height of the elements. Read more about the box-sizing property in our CSS Box Sizing chapter. Bordered Inputs Use the border property to add a background color, and use the border radius property to add a background color to the input, and the color property to change the text color: Focused Inputs By default, some browsers will add a blue outline around the input the input field when it gets focus: Input with icon/image If you want an icon inside the input, use the background-image property and position it with the background-position property. Also notice that we add a large left padding to reserve the space of the icon: input[type=text] { background-position property. Also notice that we add a large left padding to reserve the space of the icon: input[type=text] { background-position property. Also notice that we add a large left padding to reserve the space of the icon: input[type=text] { background-position it with the background-repeat: no-repeat: no-repeat: no-repeat padding-left: 40px; } Try it Yourself » Animated Search Input In this example we use the CSS transition property to animate the width of the search input [type=text] { transition: width 0.4s ease-in-out; } input [type=text] focus { width: 100%; } Try it Yourself Styling Textareas Tip: Use the resize property to prevent textareas from being resized (disable the "grabber" in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; box-sizing: border-box; Select Menus select { width: 100%; padding: 16px 20px; border: none; bor cursor: pointer; }/* Tip: use width: 100% for full-width buttons */ Try it Yourself » For more information about how to see the effect. When the screen is less than 600px wide, make the two columns stack on top of each other instead of next to each other. Advanced: The following example uses media queries to create a responsive form. You will learn more about this in a later chapter. Try it Yourself » Nearly all browsers nowadays support CSS and many other applications do, too. To write CSS, you don't need more than a text editor, but there are many tools available that make it even easier. Of course, all software has bugs, even after several updates. And some programs are further ahead implementing the latest CSS modules than others. Various sites describe bugs and work-arounds. More » For beginners, Starting with HTML + CSS teaches how to create a style sheet. For a quick introduction to CSS, try chapter 2 of Lie & Bos or Dave Raggett's intro to CSS. Or see examples of styling XML and CSS tips & tricks. Another page also has some books, mailing lists and similar fora, and links to other directories. The history of CSS is described in chapter 20 of the book Cascading Style Sheets, designing for the Web, by Håkon Wium Lie and Bert Bos (2nd ed., 1999, Addison Wesley, ISBN 0-201-59625-3) More » CSS inspired 'quayjn' to write the song 'CSS is OK'. Site navigation When the first CSS specification was published, all of CSS was contained in one document. However for CSS beyond Level 2, the CSS Working Group chose to adopt a modular approach, where each module defines a part of CSS, rather than to define a single monolithic specification into more manageable chunks and allows more immediate, incremental improvement to CSS. Since different CSS modules are at different levels of stability, the CSS Working Group has chosen to publish this profile to define the current scope and state of Cascading Style Sheets as of 2024. Cascading Style Sheets (CSS) CSS is a language for writing style sheets, and is designed to describe the presentation of a source document, and usually does not change the underlying semantics expressed by its document language. Style sheet A set of rules that specify the presentation of a document to the User. Source document to which one or more style sheets apply. A source document's structure and semantics are encoded using a document language (e.g., HTML, XHTML, or SVG). Author An author is a person who writes documents and associated style sheets. An authoring tool is a User Agent that generates style sheets. User A user is a person who interacts with a user agent to view, hear, or otherwise use the document. User Agent (UA) A user agent is any program that interprets a document, read it aloud, cause it to be printed, convert it to another format, etc. For the purposes of the CSS specifications, a User Agent is one that supports and interprets Cascading Style Sheets as defined in these specifications. This section is non-normative. In the W3C Process, a Recommendation-track document passes through three levels of stability, summarized below: Working Draft (WD) This is the design phase of a W3C spec. The WG iterates the spec in response to internal and external feedback. The first official Working Draft is designated the "First Public Working Draft" (FPWD). In the CSSWG, publishing FPWD indicates that the Working Group as a whole has agreed to work on the module, roughly as scoped out and proposed in the editor's draft. The transition to the next stage is sometimes called "Last Call Working Draft" (LCWD) phase. The CSSWG publishing FPWD indicates that the Working Draft" (LCWD) phase. The CSSWG publishing FPWD indicates that the Working Draft (LCWD) phase. transitions Working Drafts once we have resolved all known issues, and can make no further progress without feedback from building tests and implementations. This "Last Call for Comments" sets a deadline for reporting any outstanding issues, and requires the WG to specially track and address incoming feedback. The comment-tracking document is the Disposition of Comments (DoC). It is submitted along with an updated draft for the Director's approval, to demonstrate wide review and acceptance. Candidate Recommendation (CR) This is the testing phase of a W3C spec. Notably, this phase is about using tests and implementations to test the specification: it is not about testing the implementations. This process often reveals more problems with the spec, and so a Candidate Recommendation will morph over time in response to implementation of two correct, independent implementations of each feature is required to exit CR, so in this phase the WG builds a test suite and generates implementation reports. The transition to the next stage is "Proposed Recommendation" (PR). During this phase the W3C Advisory Committee must approve the transition to REC. Recommendation (REC) This is the completed state of a W3C spec and represents a maintenance phase. At this point the WG only maintains an errata document and occasionally publishes an updated edition that incorporates the errata back into the spec. An Editor's Draft is effectively a live copy of the editors' own working copy. It may or may not reflect Working Group consensus, and can at times be in a self-inconsistent state. (Because the publishing process at W3C is time-consuming and onerous, the Editor's Draft is usually the best (most up-to-date) reference for a spec. Efforts are currently underway to reduce the friction of publishing, so that official drafts will be regularly up-to-date and Editor's Drafts can return to their original function as scratch space.) A list of all CSS modules, stable and in-progress, and their statuses can be found at the CSS Current Work page. This profile includes only specifications that we consider stability. Note: This is not intended to be a CSS Desktop Browser Profile: inclusion in this profile is based on feature stability only and not on expected use or Web browser adoption. This profile defines CSS in its most complete form. As of 2024, Cascading Style Sheets (CSS) is defined by the following specifications. We recommend in particular reading Chapter 2, which introduces some of the basic concepts of CSS and its design principles. CSS Syntax Level 3 [CSS-SYNTAX-3] Replaces CSS2§4.1, CSS2§4.2, CSS2§4.2, CSS2§4.2, CSS2§4.2, CSS2§4.1, CSS2§4.2, CSS2§4.2, CSS2§4.2, CSS2§4.2, CSS2§4.3, and CSS2§6, redefining how CSS is parsed. CSS Syntax Level 3 [CSS-SYNTAX-3] Replaces CSS2§4.1, CSS2§4.2, CSS2§4.2, CSS2§4.2, CSS2§4.2, CSS2§4.3, and CSS2§6, redefining how CSS is parsed. CSS Syntax Level 3 [CSS-SYNTAX-3] Replaces CSS2§4.1, CSS2§4.2, CSS2§4.2, CSS2§4.2, CSS2§4.2, CSS2§4.2, CSS2§4.3, and CSS2§6, redefining how CSS is parsed. CSS Syntax Level 3 [CSS-SYNTAX-3] Replaces CSS2§6.1, [CSS3-MEDIAQUERIES] Replaces CSS2§7.3 and expands on the syntax for media-specific styles. CSS Conditional Rules Level 3 [CSS-CONDITIONAL-3] Extends and supersedes CSS2§7.2, updating the definition of @media rules to allow nesting and introducing the @supports rule for feature-support queries. Selectors Level 3 [SELECTORS-3] Replaces CSS2§5 and CSS2§6.4.3, defining an extended range of selectors. CSS Namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespace rule to allow namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces an @namespace rule to allow namespaces [CSS3-NAMESPACE] Introduces [CSS3-NAMESPACE] Introduces [CSS3-NAMES style rules and assign values to all properties on all elements. By way of cascading and inheritance, values are propagated for all properties on all elements. CSS Values and Units Level 3 [CSS-VALUES-3] Extends and supersedes CSS2§1.4.2.1, CSS2§4.3, and CSS2§4.2.1-3, defining CSS's property definition syntax and expanding its set of units. CSS Custom Properties for Cascading Variables Module Level 1 [CSS-VARIABLES-1] Introduces cascading variables as a new primitive value type that is accepted by all CSS properties, and custom properties for defining them. CSS Box Model Level 3 [CSS-BOX-3] Replaces CSS2§8.1, §8.2, §8.3 (but not §8.3.1), and §8.4. CSS Color Level 4 [CSS-COLOR-4] Introduces cascading variables as a new primitive value type that is accepted by all CSS properties, and custom properties for defining them. Extends and supersedes CSS2§4.3.6, CSS2§14.1, and CSS2§18.2, also extended color values, and CSS Object Model extensions for color. Also defines the opacity property. CSS Backgrounds and Borders Level 3 [CSS-BACKGROUNDS-3] Extends and supersedes [CSS-COLOR-3], introducing an extended color values, and CSS2§14.1, and CSS supersedes CSS2§8.5 and CSS2§14.2, providing more control of backgrounds and borders, including layered background images, image borders, and drop shadows. CSS Images Level 3 [CSS-IMAGES-3] Redefines and incorporates the external 2D image value type, introduces native 2D gradients, and adds additional controls for replaced element sizing and rendering. CSS Fonts Level 3 [CSS-FONTS-3] Extends and supersedes CSS2§15 and provides more control over font choice and feature selection. CSS writing modes, such as left-to-right (e.g. Latin or Indic), right-to-left (e.g. Hebrew or Arabic) bidirectional (e.g. mixed Latin and Arabic) and vertical (e.g. Asian scripts). Replaces and extends CSS§8.6 and §9.10. CSS Multi-column Layout Level 1 [CSS-HULTICOL-1] Introduces a flexible linear layout model for CSS. CSS Basic User Interface Module Level 3 [CSS-UI-3] Extends and supersedes CSS§18.4, defining cursor, outline, and several new CSS features that also enhance the user interface. CSS Containment Module Level 1 [CSS-CONTAIN-1] Introduces the contain property, which enforces the independent CSS processing of an element's subtree in order to enable heavy optimizations by user agents when used well. CSS Transforms Level 1 [COMPOSITING] Defines the compositing and blending Level 1 [COMPOSITING] Defines the composition of Level 1 [CSS-EASING-1]. Describes a way for authors to define a transformation to move in discrete steps producing robot-like movement. CSS Counter Styles Level 3 [CSS-COUNTER-STYLES-3] Introduces the @counter-style rule, which allows authors to define their own custom counter styles for use with CSS list-marker and generated-content counter styles for use with CSS list-marker and generated-content counter styles, including the ones present in CSS2 and CSS2.1. Note: Although we don't anticipate significant changes to the specifications that form this snapshot, their inclusion does not mean they are frozen. The Working Group will continue to address problems as they are found in these specs. Implementers should monitor www-style and/or the CSS Working Group Blog for any resulting changes, corrections, or clarifications. The following specifications are considered to be in a reliable state, meaning they have largely stable implementations and specifications, but are not yet at the Recommendation level due to minor issues or the need for additional implementation reports. Media Queries Level 4 [MEDIAQUERIES-4] Extends and supersedes [CSS3-MEDIAQUERIES], expanding the syntax, deprecating most media types, and introducing new media features. CSS Scroll Snap Module Level 1 [CSS-SCROLL-SNAP-1] Contains features to control panning and scrolling behavior with "snap positions". CSS Scroll Snap Module Level 1 [CSS-SCROLL-SNAP-1] Contains features to control panning and scrolling behavior with "snap positions". scrollbars, introducing controls for their color and width. CSS Grid Layout Module Level 1 [CSS-GRID-1] Introduces a two-dimensional grid-based layout model, the children of a grid container can be positioned into arbitrary slots in a predefined flexible or fixed-size layout grid. CSS Grid Layout Module Level 2 [CSS-GRID-1], introducing "subgrids" for managing nested markup in a shared grid framework. The following modules have completed design work, and are fairly stable, but have not received much testing and implementation experience yet. We hope to incorporate them into the official definition of CSS in a future snapshot. Media Queries Level 4 [MEDIAQUERIES-4] Extends and supersedes [CSS3-MEDIAQUERIES], expanding the syntax, deprecating most media types, and introducing new media features. CSS Display Module Level 3 [CSS-DISPLAY-3] Replaces CSS2§9.1.2, §9.2.1 (but not §9.2.1.1), §9.2.2 (but not §9.2.2.1), §9.2.3, and §9.2.4 (and lays the foundations for replacing §9.7), defining how the CSS formatting box tree is generated from the document element tree and defining the display property that controls it. CSS Writing Modes Level 4 [CSS-WRITING-MODES-4] extends and supersedes [CSS-WRITING-MODES-3], adding more options for vertical writing. CSS Fragmentation Module Level 3 [CSS-BREAK-3] Describes the fragmentation model that partitions a flow into pages, columns, or regions and defines properties to control the alignment of boxes within their containers in the various CSS box layout models: block layout, table layout, table layout, and grid layout, table layo their processing model. It covers line breaking, justification and alignment, white space handling, and text transformation. CSS Text Decoration Module Level 3 [CSS-TEXT-DECOR-3] Extends and supersedes CSS2§16.3, providing more control over text decoration lines and adding the ability to specify text emphasis marks and text shadows. CSS Masking Module Level 1 [CSS-MASKING-1] Replaces CSS2§11.1.2 and introduces more powerful ways of clipping and masking content. CSS Scroll Snap Module Level 1 [CSS-SPEECH-1] Replaces CSS2§A. overhauling the (non-normative) speech rendering chapter. CSS View Transitions Module Level 1 [CSS-VIEW-TRANSITIONS-1] Defines the View Transitions representing changes in the document state. Although the following modules have been widely deployed with rough interoperability, their details are not fully worked out or sufficiently well-specified and they need more testing and bugfixing. We hope to incorporate them into the official definition of CSS in a future snapshot. CSS Transitions Level 1 [CSS-TRANSITIONS-1] and CSS Animations Level 1 [CSS-TRANSITIONS-1] an ANIMATIONS-1]. Introduces mechanisms for transitioning the computed values of CSS properties over time. CSS Will Change Level 1 [CSS-WILL-CHANGE-1] Introduces a performance hint property called will-change. Filter Effects Module Level 1 [CSS-WILL-CHANGE-1] Introduces a performance hint property called will-change. displayed in the document. CSS Font Loading Module Level 3 [CSS-FONT-LOADING-3] Introduces events and interfaces used for dynamically loading font resources. CSS Box Sizing Level 3 [CSS-FONT-LOADING-3] Overlays and defining with more precision and detail various automatic sizing concepts only vaguely defined in CSS2. CSS Transforms Level 2 [CSS-TRANSFORMS-1] to add new transforms for simple transforms. CSS Lists and Counters Module Level 3 [CSS-LISTS-3] Contains CSS features related to list counters: styling them, positioning them, and manipulating their value. CSS Logical Properties and Values Level 1 [CSS-LOGICAL-1] Introduces logical properties and values that provide the author with the ability to control layout through logical, rather than physical, direction and dimension mappings. Also defines logical properties and values for the features defined in [CSS2]. These properties are writing-mode relative equivalents of their corresponding physical properties are writing-mode relative equivalents of their corresponding physical properties. CSS Positioned Layout Module Level 3 [CSS-POSITION-3] Contains defines coordinate-based positioning and offsetting schemes of CSS: relative positioning, sticky positioning, absolute positioning, and fixed positioning for the presentation of a Web page. Also defines an application programming interface for interacting with this model. CSS Fonts Module Level 4 [CSS-FONTS-4] Extends and provides more control over font choice and feature selection, including support for OpenType variations. CSS Color Adjustment Module Level 1 [CSS-COLOR-AD]UST-1] This module introduces a model and controls over automatic color adjustment by the user agent to handle user preferences and device output optimizations. CSS Conditional 3 to allow testing for supported selectors. CSS Cascading and Inheritance Level 5 [CSS-CASCADE-5] Extends CSS Cascade 4 to add cascade layers. Motion Path Module Level 1 [MOTION-1] This module allows authors to position any graphical object and animate it along an author specified path. CSS Scroll Anchoring Module Level 1 [CSS-SCROLL-ANCHORING-1] This module allows authors to position of a scroll container to a particular anchor element. CSS Object Model (CSSOM) [CSSOM-1] This module Level 5 [CSS-COLOR-5] Extends CSS Color 4 to add color spaces and color modification functions. Selectors Level 4 [SELECTORS-4] Extends Selectors Level 3 by introducing new pseudoclasses, pseudo-elements, and combinators, enhancing the ability to select elements based on more complex criteria and states. Cascading Style Sheets does not have versions in the traditional sense; instead it has levels. Each level of CSS builds on the previous, refining definitions and adding features. The feature set of each higher level is a superset of any lower level, and the behavior allowed for a given feature in a higher level is a subset of that allowed in the lower levels. A user agent conformant to all lower levels are agreed to a user agent conformant to all lower levels. A user agent conformant to all lower levels are agreed to a user agent conformant to all lower levels are agreed to a user agent conformant to all lower levels are agreed to a user agent conformant to all lower levels are agreed to a user agent conformant to all lower levels are agreed to a user agent conformant to all lower levels are agreed to a user agent conformant to all lower levels are agreed to a user agent conformant to a user agent confor defined in the CSS1 specification (properties, values, at-rules, etc.), but using the syntax and definitions in the CSS2.1 specification is technically a W3C Recommendation, it passed into the Recommendation stage before the W3C had defined the Candidate Recommendation stage. Over time implementation experience and further review has brought to light many problems in the CSS specification, so instead of expanding an already unwieldy errata list, the CSS working Group chose to define CSS Level 2 Revision 1 (CSS2.1). In case of any conflict between the two specs CSS2.1 contains the definitive definition. Once CSS2.1 became Candidate Recommendation effectively though not officially the same level of stability as CSS2—obsoleted the CSS2 Recommendation stage, but note that many of these have been or will be pulled into a CSS Level 3 working draft, in which case that specification will, once it reaches CR, obsolete the definitions in CSS2. The CSS2.1 specification defines its inclusion in element-specific style attributes. CSS Level 3 builds on CSS Level 2 module by module, using the CSS2.1 specification as its core. Each module adds functionality and/or replaces part of the CSS2.1 specification; only that they will add functionality and refine definitions. As each module is completed, it will be plugged in to the existing system of CSS2.1 plus previously-completed modules. From this level on modules are levelled independently: for example Selectors Level 2 equivalent start at Level 3. Modules with no CSS Level 2 equivalent start at Level 3. CSS Level 2 equivalent start at Level 3. Modules with no CSS Level 2 equivalent start at Level 3. CSS Level 4 and beyond There is no CSS Level 4. Independent modules can reach level 4 or beyond, but CSS the language no longer has levels. ("CSS Level 3" as a term is used only to differentiate it from the previous monolithic versions.) Not all implement all functionality defined in CSS. In the past, the Working Group published a few Profiles, which were meant to define the minimal subset of CSS that various classes of user agents were expected to support. This effort has been discontinued, as the Working Group was not finding it effective or useful, and the profiles previously defined are now unmaintained. Note: Partial implementations of CSS, even if that subset is an official profile, must follow the forward-compatible parsing rules for partial implementations. The following sections define several conformance requirements for implementations can exploit the forward-compatible parsing rules to assign fallback values, CSS renderers must treat as invalid (and ignore as appropriate) any at-rules, property values and honor supported values in a single multi-value property declaration: if any value is considered invalid (as unsupported values must be), CSS requires that the entire declaration be ignored. To avoid clashes with future stable CSS features, the CSSWG recommends the following best practices for the implementation of unstable features and proprietary extensions to CSS: Implementations of unstable features that are described in W3C specifications but are not interoperable should not be released broadly for general use; but may be released for limited, experimental use in controlled environments. Why? We want to allow both authors and implementors to experiment with the feature and give feedback, but prevent authors from relying on them in production websites and thereby accidentally "locking in" (through content dependence) certain syntax or behavior that might change later. For example, a UA could release an unstable features for experimentation through beta or other testing-stage builds; behind a hidden configuration flag; behind a switch enabled only for specific testing partners; or through some other means of limiting dependent use. A CSS feature is considered unstable until its specification has reached the Candidate Recommendation (CR) stage in the W3C process. In exceptional cases, the CSSWG may additionally, by an officially-recorded resolution, add pre-CR features to the set that are considered safe to release for broad use. See § 4 Safe to Release pre-CR Exceptions. Note: Vendors should consult the WG explicitly and not make assumptions on this point, as a pre-CR spec that hasn't changed in awhile is usually more out-of-date than stable. To avoid clashes with future CSS features, the CSS2.1 specification reserves a prefixed syntax [CSS2] for proprietary and experimental extensions to CSS. A CSS feature is a proprietary extension if it is meant for use in a closed environment accessible only to a single vendor's user agent(s). A UA should support such proprietary extensions only through a vendor-prefixed syntax and not expose them to open (multi-UA) environments such as the World Wide Web. Why? The prefixing requirement allows shipping specialized features in closed environments without conflicting with future additions to standard CSS. The restriction on exposure to open systems is to prevent accidentally causing the public CSS environment to depend on an unstandardized proprietary extensions. For example, Firefox's XUL-based UI, Apple's iTunes UI, and Microsoft's Universal Windows Platform app use extensions to CSS implemented by their respective UAs. So long as these dependent on their proprietary extensions. Even if a feature is intended to eventually be used in the Web, if it hasn't yet been standardized it should still not be exposed to the Web. If a feature is unstable (i.e. the spec has not yet stabilized), but at least three UAs implement the feature in a production release), and the implementations have rough interoperability, and the CSS Working Group has recorded consensus that this feature unprefixed in broad-release builds. Rough interoperability is satisfied by a subjective judgment that even though there may be differences, the implementations are sufficiently similar to be used in production websites for a substantial number of use cases. Note that the CSSWG must still be consulted to ensure coordination across vendors and to ensure still usually means painful lack of interop in edge (or not-so-edge) cases, particularly

because details have not been ironed out through the standards review process. Why? If a feature is sufficiently popular that three or more browsers have implemented it before it's finished standardization, this clause allows releasing the pressure to ship. Also, if a feature has already escaped into the wild and sites have started depending on it,

implementations to work around incompatibilities among implementations as they get ironed out through the standards/bugfixing process. The lack of a phase where only the prefixed syntax is supported greatly reduces the risk of stylesheets being written with only the vendor-prefixed syntax. This in turn allows UA vendors to retire their prefixed syntax once the feature is stable, with a lower risk of breaking existing content. It also reduces the need occasionally felt by some vendors to support a feature with the prefix of another vendor, due to content depending on that syntax, and avoid encouraging the use of the vendor-prefixed syntax for any purpose other than working around implementation differences. In order to preserve the open nature of CSS as a technology, vendors should make it possible for other implementation differences. In order to preserve the open nature of CSS as a technology, vendors should make it possible for other implementation differences.

unprefixed syntaxes for the feature. Once the feature has stabilized and the implementation is updated to match interoperable behavior, support for the vendor-prefixed syntax should be removed. Why? This is recommended so that authors can use the unprefixed syntax should be removed. Why? This is recommended so that authors can use the unprefixed syntax should be removed.

pretending it's still "experimental" doesn't help anyone. Allowing others to ship unprefixed recognizes that the feature is now de facto standards-track unstable feature to the Web in a production release, implementations should support both vendor-prefixed and

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testing resources to complete standardization of such features, and avoid other obstacles (e.g., platform dependency, licensing restrictions) to their competitors should release an unprefixed implementation of any CR-level feature they can
  demonstrate to be correctly implemented according to spec, and should avoid exposing a prefixed variant of that feature. To establish and maintain the interoperability of CSS across implementation report (and, if necessary, the testcases used for that
 implementation report) to the W3C before releasing an unprefixed implementation of any CSS features. Testcases submitted to W3C are subject to review and correction by the CSS Working Group's website at . Questions should be
 directed to the public-css-testsuite@w3.org mailing list. The following features have been explicitly and proactively cleared by the CSS Working Group for broad release prior to the spec reaching Candidate Recommendation. See § 3.2.1 Experimentation and Unstable Features. The following features have been explicitly and retroactively cleared by
 the CSS Working Group for broad release prior to the spec reaching Candidate Recommendation: Everything in CSS Animations Level 1 and CSS Transitions Level 1 and CSS Transitions Level 1. These sections are non-normative. = ~= 1st 2d matrix 2nd 3rd 4th absolute length unit absolute 
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  min inner width min main size property mintcream min track sizing function mistyrose moccasin monolithic monospace multi-column layout multi-column layout multi-column spanning element multi-line flex
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 positional alignment positioned element/box positioning scheme post-multiply preserved tokens preserved tokens preserved tokens preserved white space primary filter primitive tree principal block-level box principal block-level block-level box principa
 parent property in css-cascade-4, for CSS in css21 property declarations pseudo-classes:::link pseudo-classes:::locus pseudo-classes:::lo
 pseudo-elements:::first-letter pseudo-elements:::first-letter pseudo-elements:::first-line purple quad width qualified rule range context recommended reconsume the current input token red reference box in css-shapes-1, for in css-shapes-1, for in css-shapes-1 reference pixel region break relative length unit relative positioning relative units
 remaining fragmentainer extent remaining free space rendered content remaining free space rendered content remaining free space rendered content remaining free space rendered replaced element in css-display-3 in css21 representation required reset implicitly reset-only sub-property re-snap resolved type restore a mark reversing-adjusted start value reversing shortening
 factor :right right root root element rosybrown row group box row group box row group box row group sandybrown sandybrown
  seagreen seashell segment break selector serialize an value serif set entries set explicitly shall not shared alignment properties semitone sequence of simple selectors serialize an value serif set entries set explicitly shall not sibling sideways
 typesetting sienna silver simple block simple selector single-line flex containment size containment box sizing as if empty sizing function skyblue slategray shategray shategra
   specified size suggestion in css-flexbox-1 in css-grid-1 specified value in css-cascade-4 in css21 'speech' media group spread break spread distance springgreen stacking context start with an ident sequence start
  with a number statement at-rule 'static' media group static-position rectangle in css-align-3 in css-flexbox-1 steelblue step easing function step stock on the environment style attribute style change event style rule style sheet in css-
 namespaces-3 in css-speech-1 in css21 stylesheet subject (of selector) subjects of the selector sub-property subsequent-sibling combinator substitute a var() support in css-conditional-3, for CSS in css-fonts-4 supports queries switch the fontfaceset to loaded swi
  caption box table element tables tabs tab size tab stop tabular container 'tactile' media group tan target main size teal text/css text node text sequence textual data types thistle threeddarkshadow threedface threeddightshadow threedface threeddightshadow threedface threeddightshadow threedface 
 list track section track sizing algorithm track sizing function element transfer function element transfermed element transformable element transformable transfermed size suggestion in css-grid-1 transformable element transformable element transformable element transformable element transformable transformable element transforma
  sideways typesetting sideways typesetting upright typeset upright typographic character unit typographic hetter unit typographic better unit typographic letter unit typographic mode ua in css-speech-1 in css21 ua origin ua-origin ua-origin ua-origin ual typesetting url
use a negative sign used value in css-cascade-4 in css21 
 flow vertical dimension vertical offset vertical offset vertical script vertical script vertical script vertical typographic mode viewport viewport
  windowframe windowtext word separator word-separator character would start a number would start a unicode-range wrap in css-shapes-1 in css-text-3 writing mode x-axis x-height y-axis yellow yellowgreen absolute in css-speech-1, for voice-pitch in css-speech-1, for voice-range
  add additive alias all allow-end all-petite-caps all-scroll all-small-caps alpha alphabetic alternate alte
3, for align-self in css-align-3, for justify-self in css-backgrounds-3, for backgrounds-3, for break-inside in css-break-3, for break-3, for break-3, for break-3, for break-3, for break-3, for brea
   align-items, align-self in css-flexbox-1, for flex-basis in css-fonts-4, for font-synthesis-position in css-fonts-4, for font-synthesis-small-caps in css-fonts-4, for font-synthesis-style in css-fonts-4, for font-synthesis-weight in css-grid-1, for in css-grid-1 for in css-grid-1.
1, for grid-template-columns, grid-template-rows in css-images-3, for image-rendering in css-multicol-1, for column-width in css-multicol-
  scroll-padding-block-end in css-speech-1, for speak in css-speech-1, for text-underline-position in css-text-3, for text-underline-position in css-text-3,
 color-interpolation-filters auto-fil auto-fit [ auto-flow && dense? ] ? / avoid avoid-column avoid-page avoid-region backwards balance balance
  capitalize caption cell center in css-align-3, for , justify-self, align-self, justify-content in css-flexbox-1, for align-self in css-flexbox-1, for justify-content in css-scroll-snap-1, for scroll-snap-align in css-speech-1, for voice-balance in css-text-3, for justify-content in css-flexbox-1, for justify-content in css-flexbox-1, for align-self, justify-content in css-flexbox-1, for justify-content in css
  text-align in css-transforms-1, for transform-origin ch character-variant(#) child ch unit circle cjk-decimal cjk-earthly-branch cjk-heavenly-stem cjk-ideographic clip clone closest-corner closest-corner closest-side cm coarse collapse color-burn color-
 for background-size in css-images-3, for object-fit content in css-contain-1, for contain in css-fonts-4, for base-palette in css-fonts-4, for fort-palette
 darken dashed decimal in css-counter-styles-3, for in css21 default deg dense devanagari diagonal-fractions difference digits? digits? digits? digits? digits? discinces-counter-styles-3, for in css21 default deg dense devanagari diagonal-fractions difference digits? dig
 dppx each-line ease ease-in ease-in-out ease-in-out ease-in-out ease-in-out ease-out ellipsis em unit end e-resize ex exclude exclusion expanded ex unit fallback fantasy farthest-corner farthest-side fast in css-speech-1, for voice-rate in mediagueries-4, for @media/update
    female fill fill-box filled fine first first baseline fit-content() fixed flex flex-end in css-align-3, for , justify-self, align-self, justify-content in css-flexbox-1, for align-content in css-flexbox-1, for align-content in css-flexbox-1, for align-content in css-flexbox-1, for justify-self, align-self, justify-self, align-self, justify-content in css-flexbox-1, for align-self, justify-self, justify-self, justify-self, justify-self, justify-self, justify-self, justify-self, just
 flexbox-1, for align-content in css-flexbox-1, for align-items, align-self in css-flexbox-1, for justify-content flip flow flow-root force-end forwards fr from-image fr unit full-size-kana full-width generic(fangsong) generic(kai) generic(kai) generic(nastaliq) ge
display, in css-grid-1, for display / [ auto-flow && dense? ] ? / groove gujarati gurmukhi handheld hanging hard-light hebrew help hidden high in css-speech-1, for voice-range high-guality hiragana hiragana-iroha historical-forms historical-ligatures horizontal-tb hover hue hz icon in infinite inherit initial inline inline-block
inline-flex inline-grid in css-display-3, for display, in css-grid-1, for display inline-table in css-display-3, for display, in css21 isolate isolate-override italic japanese-informal jis04 jis78 jis83 jis90 jump-both jump-end jump-none
jump-start justify justify-all kannada katakana 
 speech-1, for voice-balance in css-text-decor-3, for text-emphasis-position in css-text-decor-3, for text-underline-position in css-tex
 item literal-punctuation local loose loud low in css-speech-1, for voice-range lower-alpha lower-armenian lower-counter-styles-3, for in css-21 ltr luminance luminosity malayalam male mandatory manual
margin-box match-parent match-source math max-content medium in css-speech-1, for voice-pitch in cs
 speech-1, for voice-rate in css-speech-1, for voice-volume menu message-box min-content minmax() mixed mm moderate mongolian monospace move ms multiply myanmar ne-resize neutral never no-clip no-close-quote no-common-ligatures no-contextual no-discretionary-ligatures no-drop no-historical-ligatures none in css-animations-1,
for animation-fill-mode in css-animations-1, for animation-name in css-backgrounds-3, for box-style, border-top-style, b
css-fonts-4, for font-synthesis-small-caps in css-fonts-4, for font-synthesis-small-caps in css-fonts-4, for font-synthesis-small-caps in css-fonts-4, for font-synthesis-style in css-fonts-4, for font-synthesis-style in css-fonts-4, for font-synthesis-small-caps in css-fonts-4, for font-synthesis-style in css-fonts-4, for font-synthesis-style in css-fonts-4, for font-synthesis-small-caps in css-fonts-4, for font-synthesis-style in css-fonts-4,
template in css-grid-1, for grid-template-areas in css-grid-1, for grid-template-areas in css-grid-1, for scroll-snap-1, for sc
before, pause-after in css-speech-1, for rest-before, rest-after in css-speech-1, for text-emphasis-style in css-text-3, for text-emphasis-style in css-text-4, for text-emphasis-style in css-text-3, for text-emphasis-style in css-text-3, for text-empha
css-ui-3, for cursor in css-writing-modes-4, for @media/overflow-inline in mediaqueries-4, for @media/overflow-inl
normal in compositing-1, for in css-align-3, for align-self in css-align-3, for justify-content, align-content in css-fonts-4, for font-feature-settings in css-fonts-4, for font-kerning in css-fonts-4, for font-language override in css-fonts-4, for solumn-gap, gap in css-align-3, for justify-self in css-align-3, for justify-self
font-palette in css-fonts-4, for font-variant-in css-fonts-4, for font-variant-east-asian in css-fonts-4, for font-variant-east-asian east-asian east-asia
fonts-4, for font-weight in css-fonts-4, for font-weight in css-fonts-4, for voice-rate in css-speech-1, for voice-rate in css-text-3, for letter-spacing in css-text-3, for letter-spacing in css-text-3, for letter-space in css-text-3, for white-space in css-text-3, for white-space in css-text-3, for word-break in css-text-3, for letter-spacing in css-text-3, for white-space in css-text-3, for white-space in css-text-3, for word-break in css-text-3, for letter-spacing in css-text-3, for white-space in css-text-3, for word-break in css-text-3, for word-break in css-text-3, for word-break in css-text-3, for white-space in css-text-3, for word-break in css-text-
 word-spacing in css-writing-modes-4, for unicode-bidi not not-allowed nowrap in css-flexbox-1, for flex-wrap in css-flexbox oblique? old oldstyle-nums only open open-quote optional original or
 paged paint paused pc persian petite-caps pixelated plaintext pointer portrait pre pre-line preserve pre-wrap print progressive projection proportional-width proximity pt px q rad rec2020 recto reduced region rem rem unit repeat repeat-y reverse revert ridge right in css-align-3, for justify-content, justify-self,
  justify-items in css-backgrounds-3, for background-position in css-text-decor-3, for text-emphasis-position in css-text-emphasis-position in css-text-emphas
direction in css-grid-1, for grid-auto-flow row-resize row-reverse rtl ruby ruby-base ruby-base ruby-text 
css-speech-1, for voice-range se-resize serif sesame sideways-right sideways-right sideways-right sideways-right sideways-right solid space space-around space-between space-around sp
display-3, for display, in css21 table-column in css-display-3, for display in css21 table-column in css-display-3, for display-3, for display
table-row in css-display-3, for display, in css-1 table-row-group in css-display, in css-21 table-row-group in css-display, in css-1 table-row-group in css-display, in css-1 table-row-group in css-display, in css-1 table-row-group in css-display, in css-display-3, for display, in css-display-3, for display, in css-display-3, for display, in css-display-3, for display-3, for disp
ultra-condensed ultra-expanded under underline unicase unicode unsafe unset upper-armenian upper
w-resize x x-fast x-high in css-speech-1, for voice-range x-slow x-soft x-strong x-weak y young zoom-in zoom-out Special thanks to Florian Rivoal for creating the initial draft of the § 3.2.1 Experimentation and Unstable Features recommendations.
Conformance requirements are expressed with a combination of descriptive assertions and RFC 2119 terminology. The key words "MUST", "SHOULD NOT", "SHOULD NO
RFC 2119. However, for readability, these words do not appear in all uppercase letters in this specification are introduced with the words "for example" or are set apart from the normative
text with class="example", like this: Informative notes begin with the word "Note" and are set apart from the normative text with class="note", like this: Note, this is an informative text with , like this: UAs MUST provide an accessible
alternative. A style sheet is conformant to this specification if all of its statements that use syntax defined in this module are valid according to the generic CSS grammar and the individual grammars of each feature defined by the
appropriate specifications, it supports all the features defined by this specification by parsing them correctly and render a document due to limitations of the device does not make the UA non-conformant. (For example, a UA is not required to render color on a
monochrome monitor.) An authoring tool is conformant to this specification if it writes style sheets that are syntactically correct according to the generic CSS grammar and the individual grammars of each feature in this module. So that authors can exploit the
forward-compatible parsing rules to assign fallback values, CSS renderers must treat as invalid (and ignore as appropriate) any at-rules, properties, 
 supported values in a single multi-value property declaration: if any value is considered invalid (as unsupported values must be), CSS requires that the entire declaration be ignored. Once a specification reaches the Candidate Recommendation stage, non-experimental implementations are possible, and implementors should release an unprefixed
implementation of any CR-level feature they can demonstrate to be correctly implemented according to spec. To establish and maintain the interoperability of CSS across implementations, the CSS Working Group requests that non-experimental CSS renderers submit an implementation report (and, if necessary, the testcases used for that
implementation report) to the W3C before releasing an unprefixed implementation of any CSS features. Testcases submitted to W3C are subject to review and correction by the CSS Working Group. The look of an HTML form can be greatly improved with CSS: Use the width property to determine the width of the input field: First Name Try it Yourself
» The example above applies to all elements. If you only want to style a specific input type=number] - will only select text fields input[type=text] - will only select text fields input[type=text] - will only select text fields input[type=text] - will only select text fields input[type=number] - will only select text fields input[type=text] - will only select text fields input[type=number] - will only select text fields input[type=text] - will only select text fields input[type=number] - wil
you have many inputs after each other, you might also want to add more space outside of them: First Name Last Name input[type=text] { width: 100%; padding: 12px 20px; margin: 8px 0; box-sizing property to border-box. This makes sure that the padding
and eventually borders are included in the total width and height of the elements. Read more about the box-sizing property to add rounded corners: First Name If you only want a bottom border, use the
border-bottom property: First Name Colored Inputs Use the background-color property to add a blue outline around the input when it gets focus (clicked on). You can remove this behavior by adding outline: none; to the
input. Use the :focus selector to do something with the input field when it gets focus: Input with icon/image If you want an icon inside the input, use the background-position property and position it with the background-color:
 white; background-image: url('searchicon.png'); background-position: 10px; background-repeat: no-repeat; padding-left: 40px; } Try it Yourself » Animated Search Input In this example we use the CSS transition property later, in our
CSS Transitions chapter. input[type=text] { transition: width 0.4s ease-in-out;} input[type=text]: focus { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner): Some text... textarea { width: 100%; height: 150px; padding: 12px 20px; transitions chapter in the bottom right corner in the bottom
box-sizing: border-box; border-box; border-box; border-radius: 4px; background-color: #f8f8f8; resize: none; border-radius: 4px; background-color: #f1f1f1; } Try it Yourself » Styling Input Buttons input[type=button], input[type=submit],
 input[type=reset] { background-color: #04AA6D; border: none; color: white; padding: 16px 32px; text-decoration: none; margin: 4px 2px; cursor: pointer; }/* Tip: use width: 100% for full-width buttons */ Try it Yourself » For more information about how to style buttons with CSS, read our CSS Buttons Tutorial. Responsive Form Resize the
browser window to see the effect. When the screen is less than 600px wide, make the two columns stack on top of each other. Advanced: The following example uses media queries to create a responsive form. You will learn more about this in a later chapter. Try it Yourself »
```