hello everybody welcome to the second video on the basics of HTML in this video we'll begin learning new HTML elements as well as the structure of an HTML element we'll also start building the project that we will work on over the duration of the entire introduction to web development course the project is to create a website for your favorite musician or band I will walk you through the exact steps needed to create the website and I'll explain all the concepts along the way as you follow along with this course I want you to choose your favorite musician or band and create the website for them instead of copying exactly what I do in this video we'll be creating the HTML for the about page of the fant website you may notice that it looks ugly now but remember that HTML is only for the content of the site later we'll use CSS to style the page let's get started by going over the structure of an HTML element most HTML elements are composed of a start tag and end tag and some content between these tags the content inside these tags can either be text or other HTML elements there are some tags however that have no content and thus have no end tag these are called empty elements the image tag and is an example of an empty element as you may notice the image tag has an attribute called source all HTML elements can have attributes set on them to define certain characteristics of the element such as the source for an image tag and that is all there is to an HTML element we will now jump into the actual coding of the about page for the website and what about many different types of HTML elements hello everybody welcome to the coding section of this video as you can see on the left side of my screen I have Visual Studio code open with the HTML from the previous video I also have an images folder containing all of the images that we're going to be used to create the about page of this website on the right of my screen you can see the final version of the about page created for a band called the generics for you this band will be completely different but you should be able to follow the same template that I am using on this right side in order to get started creating this band page let's first right-click on our about page and click open with live server this will allow us see our changes live as we now let's go back to the final band page and take a look at the different components of the page the first thing you may notice is that at the top of the page we have a header this header contains a navigation with three links going to the home page the store page and the about page as well as a title for the band the generics there's also a line in between the two separating them let me paste in some code that will render this for us now let me open this code in the browser as you can see we have our navigation links at the top of the page our title at the bottom and a horizontal line separating them and let me explain how this works first all of our content is wrapped with this header tag this header tag is just a way of telling the browser this is a header element it doesn't apply any styling to these elements it just says this block of code is the header for our page the next element inside of our page is the nav of it this is very similar to the header element in that it doesn't apply any styling but it tells the browser that this is the navigation section of our web page you could have multiple Navs throughout your page but most likely you're going to just have one nav either in the top of your page or on the side of your page next we have the UL element this stands for unordered list there are two types of lists that you can create in HTML in Oh L which is an ordered list and a yuo which is an unordered list in our case we are using an unordered list or a ul because the elements in our list have no particular order to them next we have three li elements li elements stanford list item and can only be used inside of a UL or an oo these denote the actual items of your list and as you can see on the right are styled with a bullet point when they're inside of an unordered list and they are styled with numbers when they're inside of an ordered list next we have an HR element this element as you can see has no closing tag which means it is an empty element this HR element supplies us this horizontal line in our page and stands for horizontal rule lastly we have an h1 element the h1 element is a heading element and there is six different sizes of a chav heading elements there's the h1 h2 h3 h4 h5 and h6 each one is progressively smaller than the last one with the h1 being the largest and the age 16 the smallest now let's go back to our final version of the webpage and look at the next section of code that we have this is the About section at the top you can see that we have a header element which is called about a grouping of text with an image and another group of text when they pasted over some code that will define this section and view this in the browser as you can see we have that about heading a grouping a text our image and another group in a text on the left here we can view the actual code and break it down the first thing you'll notice is that we have a section element that wraps all the other code in this section the section element is very similar to a header element and then it implies this is a grouping of stuff that is all inside of one section while the header element says this is the header of our page the section element says this is just a generic section of some form in which all the content is related next we have an h2 element for the about header this is very similar to our h1 header except for that an h2 header is always going to be smaller than an h1 header because h1 is the largest header h6 is the smallest as you remember so h2 is just one step below an h1 and as you can see on the right here our h1 for the genetics is larger than our h2 for about next we have a P element also known as a paragraph element a paragraph element defines a grouping of text that is usually long-form paragraph form text with many sentences and it is much smaller font than our headings next we have an image tag the image tag as you can see is an empty element and has no end tag it also has this source attribute that we talked about earlier the source attribute defines the path to the image to be displayed on the page in relation to the actual page you're on so as you can see we are in this about HTML page and in the images folder we have a image called bandmembers PNG so in order to get this image we go into the images folder and then get the image bandmembers dot PNG this must be a path related to the about HTML file so if we moved this about HTML file into our images folder for example then this path would have to be bandmembers dot PNG as opposed to images slash bandmembers dot PNG and if we reopen this in live server you'll see that this now works let's move that back to where it was them and then make this images slash bandmember top PNG and open it in live server again and there we go the image works now and lastly we have another paragraph element with another section of text now let's go back to our final page and look at the last element that we have the footer element as you can see in the footer we have the generics heading as well as a YouTube image a spotify image and a Facebook image let me paste over some code that will define this in HTML and view this in the browser as you can see we have that heading as well as our three images if we go over and look at the actual HTML code you'll notice that almost all the elements are something that we've already used before the footer element just like the header at section element defines a grouping of text and HTML but is going to be in the footer of the page which is almost always going to be at the very bottom of your page we then have our h3 element which just like the h2 and h1 is a large text heading for the page and it is going to be smaller than the h2 element we then have another unordered list with three list items in it and each one has an image which links to the Facebook logo Spotify logo and YouTube logo in our images folder and that's all there is to creating the HTML for this about page as you may notice our actual final page looks very different than what our current page looks like that is because this final page is styled using CSS as you remember from earlier videos hTML is only used to define the content of the page and this right here is all of the content that goes onto our page the styling for the fonts font size background colors and all these images that will all come later in CSS all the content though the HTML is complete for this about page some common problems that you may run into as you create the HTML for your own band about page is that you forget to include the ending tag for your HTML elements if you do this your HTML will not look correct or it may not even render at all in order to check that you have created all the ending tags for your HTML elements if you click on either the start type or the end tag visual studio code will automatically highlight the ending tag for you or the start tag if you selected the ending tag this is an easy way to check if you have actually created the ending tags and starting tags for all of your elements another common problem is with your images not displaying in order to get around this problem make sure that the path for your image is in relation to your actual HTML page that it is on for example our about page is in the same folder as the images folder so we must first navigate through the images folder to get to the images inside of it if you run into any other problems while creating the HTML for this page let me know down in the comments below also let me know which musician or band you decided to use for this project all the code for this project is available on my github account which is linked in the description below and don't forget to Like and subscribe if you're enjoying the content thank you very much for watching