00:00 Okay, for this ponder, we're going to be looking at accessibility and design. We're going to be looking at this movie review page.

00:10 It's going to, mobile first to begin with, and then we'll go ahead and add bigger device CSS through, media queries.

00:20 Alright, so, let's go ahead and think about these good design principles that we- are going to be learning about. So, not only do we need these good design principles like white space proximity, contrast, all those really good things that we'll talk about, but we also need to be aware of accessibility

00:39 for all of our users, even or that have visual impairments. So, let's go ahead and put this page together. We've been giving, been given most of the code here.

00:49 So, I'm going to copy the HTML. And in my ponder, I'm going to create a movie. It's HTML. Give it a shortcut with the exclamation tab.

01:01 And give it a meaningful title. And I'm also going to add a normalize file. And I also need to put, let me turn on my word wrap.

01:39 Okay, and then you always put your CSS below that you're going to create. I'm going to give it the same.

01:46 And also let it know it's a style sheet. and then I'll go ahead and create that CSS. access. And I student-paced, I still have.

02:04 Bye. This, um, HTML and my clipboard, so I'm gonna press and paste that. Didn't indent it, so I'm gonna go ahead and get that indented.

02:15 And I do. There's a few other indents. That it ignored. Umm, make sure inside of each article. That's all indented as well.

02:26 Okay, so. There we go. And I'm gonna go ahead and grab the CSS. And this is just more. One of first to begin with is all we have here.

02:39 Alright, so we can take a look and see what this looks like. It does have some hot linked images in there.

02:47 It should be at the point where it looks pretty good on. On a phone, with good design, we wanna make sure that as soon as the user comes to our site or our app.

02:57 That they know what the purpose of this is. And I think, as we kind of skim through this, we can kind of tell it's a list of movies and information about the movies, the ratings, and things like that.

03:09 So we need to keep our audience in mind in what they're going to think when they first come here. we would have, of course, had this all designed out of head of time, would have made wire frames, and presented this to maybe a client if that's who we were making it for, and all of that would have been

03:24 done ahead of time. But as we think about these design, these are really important, and I see a lot of, umm, software engineering, computer science students that maybe didn't have the art classes that some of the web students had that are missing some of these really fundamental design principles that

03:43 are so- so important because if the user comes to your site no matter how wonderful the code is, they will leave if it looks unprofessional.

03:52 like a novice made it. So, you really need to think about proximity. How close or far apart are I'm to make I make sure that our house is our elements to each other.

04:00 Is there enough white space? Um, does it have a balanced look about it? Alignment, how are the elements grouped properly?

04:08 You know, does the user have, it doesn't have a border between each movie so they don't get confused about which information you need which information goes with which movie?

04:16 How do their eyes follow down the page? Um, is there a good enough contrast? Are things going to be able to be seen by those with low vision or color blindness?

04:27 Do my colors look good together? Does the black and yellow and- red really fit Are my fonts appropriate for what this kind of a page is?

04:37 Those are the kind of things that are really important. And you do, You can go back and look at some information here, um, to review some of those design principles that feel like you haven't got a good grasp on those, because they are so, so important.

04:54 That out of the way, let's take a look at how we can make it so that when it gets to a larger screen, it's going to shift into this, um.

05:04 Different column area here, instead of just coming straight down the page. Notice the nav goes across, as well as some of the information comes to the side of the picture instead of just below it.

05:15 Okay, so let's take a look at our HTML and see what we're working with here. So in each one of these articles, this is really where we're going to be looking at all these children.

05:28 And we're going to be putting that into a grid. So if we look at our, our CSS, and we look at each of those areas which have the class of movie, we can see that we didn't have a grid set up yet.

05:42 So we're going to go ahead and do that in the media query. So once it gets to 600 pixels, or bigger, we want this to happen.

05:51 So I guess we should start with the navigation first, and then we'll get to the articles there. So here we have a navigation, and right now they're kind of going down on top of each other.

06:02 If we look at that, So, we're going to be adding those to go across from each other in our media query as well.

06:11 go ahead and start with that nav. So, inside here, I'm going to target this dot main nav. And I'm going to off.

06:26 Also, display it as a grid. And I'm going to put it as the grid template columns. And give each one of those allies or links inside there.

06:41 Let's see what it was. It was a U.L. So we're talking about the three children which are allies. And we're going to give each one of those 100 pixels.

06:50 Now I don't normally put a A non-responsive unit of measurement, like pixels here, that I know my screen really isn't gonna ever go under 300 pixels wide, even on quite a small phone.

07:04 So I think we'll be just fine there. And then I'm going to go ahead and make all those children are centered in the middle of the page.

07:11 Okay, so now I can take a look, and we can see that when it gets too bigger, it's gonna be coming going from down to, down to across on the menu there.

07:23 Alright, so now let's take a look at these, this article here. If we go to the very bottom of our ponder page, we do have a grid, view here that we can follow if we want to.

07:38 So we're going to bring it into two different, columns here. Okay, so that we're looking at the parent being each of these articles, which has a class of movie.

07:50 So we could say dot movie. And, open up a grid, and set up those two columns. This time I am going to do two equal fractions, which is responsive.

08:08 And I will also go ahead and center those as well. the items. Alright, so, we can take a look, and we'll see all of our children went into the grid just like we told her to.

08:21 First child, second child, third, fourth, fifth, sixth. That's not really how we want it to look here. So we are going to have to- explicitly place some of the children, and we can see that we want this image to span not just that, that first column, first row, like we have here.

08:38 In fact, we can take a look and see what's going on here. And if we look at each one of those movie articles.

08:45 we're on a small screen. The grid hasn't come in yet. There we go. Alright. We can see, it's a little hard to see with yellow, but we can see that this, the first row is really big because it's taking that whole big image and then the rest of the rows are smaller.

08:59 So we do need to want, we want this image to span several rows. Just like we see here. So let's go ahead and set up that grid like we want it.

09:10 So we're going to go ahead and say, hey, take that movie, the image that's inside of that movie, and I want to make sure it goes across, er, not across, down six.

09:26 One through six. Okay, now where did I get the six from? Because I know we're going to have one, two, three, four, five, six rows.

09:36 Okay. And we won't, we don't go say all the way to seven because we want this. Paragraph to go from six to seven.

09:44 So we just said one to six is where we want this image to go. Alright, and then we also will be very explicit here and we'll say make sure it stays and columns one to two.

09:58 So again, from here to here. So spanning those different one, two, three, actually five rows and going across one column.

10:08 Alright, and we can take a look and see what that did. Okay, looks pretty good. grid off and make sure it's- so looking good as we go from phone.

10:25 Okay, I think that's all we need to do. Alright, so that was just a little review on grid and it just kind of fits with this design, umm, ponder so I wanted to go over that pretty well.

10:37 Alright, so let's go ahead think about, again, a visual user that might come to this page. They're going to quickly look at this page, do a quick scan, visually, maybe not even read everything, but they're going to get a s sense of what the page is about.

10:52 but think about, if you were a user who was completely blind, how would you know what this page is about?

11:00 Umm, so let's take a look at this page. As if we were blind. So we're going to turn on our voiceover.

11:12 Welcome to voiceover. I'm gonna refresh the page and I want you to listen. Maybe even close your eyes. Banner. Heading level 1.

11:20 Flickpicks. List 3 items. Visit it. Link. Home. Visit it. Link. About. Visit it. Link. Contact. Movie reviews. Region. Heading level 2.

11:28 Spider-Man. Into the Spider-Verse. Miles Morales swinging through the city image. Release date. December 14th. 2018. Recommended age. 10 plus. Genre.

11:37 Action slash adventure. Rating. 5 yellow 5 pointed star. Miles Morales becomes the Spider-Man of his reality and crosses paths with others from the multiverse.

11:44 Heading level 2. The other side of heaven. A young couple and missionaries in a row vote on the ocean image.

11:48 Release date. December 14th. 2001 recommended age 10 plus genre drama slash religious rating for yellow 5 pointed star based on the true story of elder John age Grover, a missionary in Tonga in the 1950s.

12:00 This film tells a powerful story of faith, hardship and miracles copyright sign flick pics. You are currently on a. All right.

12:09 So maybe you noticed a few things here. Um, we already have a few things that helped out with accessibility. And I don't know if you guys know just.

12:18 But we did have this role main. So when it got done, going through the links of the nav, it did say main.

12:27 So it knows that you're at the main part of the page. It also said movie reviews, which is really. Nice.

12:35 Since they didn't get a scan the page quickly and they kind of know after they got through the menu what this whole page is kind of about.

12:42 And so those were two that were given to you that were pretty important here. and did you notice also we had some good.

12:49 All text for images. Did you notice how important that was if they couldn't see those images at all, it still described that image for them.

12:58 So a few things that we were doing pretty good but what I didn't like, and I don't know if you guys.

13:04 It may be noticed different things than I did, but even though it knows this is a nav and it is pretty, um, semantic, it didn't know it really was the main menu.

13:17 And so that was something I would. Would have added as well. So I would probably put an ARIA label of main.

13:27 So it will say main menu. When it gets to that point. So people know that that's not just three links because I think it just said something.

13:36 Like, list three items, link. And then it said link home, link about. So it will say main menu. And so that will be kind of nice.

13:47 Another thing that it, that was kind of odd is when it got to these five and four star ratings. Seeing emojis here, it said five yellow, five pointed stars.

13:57 It didn't really, um, explain what that was found. It sounded kind of weird. And I think visually impaired people are kind of used to this, but the more friendly you can make it for them to let them know.

14:08 The better it would be. So we really want it to say, like, five out of five stars, right? And not say, five yellow, five pointed stars.

14:18 So we're going to say, Arya, inside the span, label. And then say exactly what you want it to say, five out of five stars.

14:34 And we'll do the same thing with the other movie. However, this one, it will save four out of five, because it's not rated as high.

14:48 Alright, now let's take a look. Let's see how that changed. We'll listen to- Just maybe the first movie here. It's gonna have to listen to the whole page.

15:16 release date. Okay, so it did say 5 out of 5 stars. However, it still- Y'all be. I repeated that 5 yellow pointed stars.

15:35 And I did look this one up because I didn't know this one, but it did say, if you put a roll of image here, IMG, it will not see this.

15:43 It really sees. Umm, emojis is like text content, so it really wants to read that because that's normally what you would want your user to have what was in between your opening and closing tags, right?

15:54 But we just wanted to say 4 out of 5 stars. And we're gonna say, you know what, C, umm. That is an image instead of text content.

16:05 And then it's gonna treat it more like an image. It will, I think it will say, still say image, but at least it won't say 5 out of 5 pointed stars.

16:13 So I think it will read a little bit better. So we'll do again. I'll just, we probably should put that one also on this one.

16:26 Okay. So one more time. Let's go. Go ahead and listen and see how it that helped a little bit. Welcome to VoiceOver.

16:35 VoiceOver Chrome. banner, heading level one, flick pics, main menu, navigation, list three items, visited. See you in the next link.

16:41 Home. Visit it. Link. About. Visit it. Link. Contact. Movie reviews. Region. Heading level two. Spiderman. Into the Spiderverse. Miles Mora- So we saw, it did still say image, but at least it was a little shorter and a little more- one more time.

17:04 So there are different things, then, that you can do to help the users out who maybe cannot see the page.

17:13 And this is really important. not only is it a nice and moral thing to do, it's a it is also, um, also the law for these users as well.

17:25 But remember, even in a return on investment point of view, you have a lot of older, um, users who are starting to lose their sight.

17:35 And, A lot of these older users actually have a lot of money. They're the ones that are going to be buying big trips for the grandkids and all sorts of different things.

17:43 So, you really do need to cater to all your users, even in a monetary financial, um. So, I of view as well, let alone, you know, being accessible just as a moral, good thing to do for your website.

17:59 But there we have, um, our ponder, and looking at, not reviewing grid, also looking at design principles, and of course accessibility.

18:08 possibility.