**W3C validator fixes.**

**HTML = FIXES**

When we last talked there were issues with the form in contacts as it interfered with accessibility. I fixed these issues by changing input to button and added back class submit for styling the button and type “submit” so the information in the form gets submitted and not interpreted as a link, or a non-assigned button as the button itself is more semantic.

When a screen reader is used the form screen reader says Send Message button”.

I also used screen reader for repairing or checking that all buttons that don’t have the button command have at least role assign to them so people with disabilities know what the non-semantic command is linked to which may be a menuitem or button. In addition, I made the title of the button more specific to convey better meaning and better user experience. This is done by changing the “email” button to “email me” which is more specific and tells the user to click button to email me and not just assign “a email button”. Then I used same logic to “Linkedin” which has role element to tell it’s a button and says “See my Linkedin”. Lastly I added more semantic meaning to “resume” button to “see my resume” which is more specific and speaks more to what the button does.

**CSS=Fixes**

The code itself had no errors to impair its function on must browsers, but I did find these warnings. After some research these older commands meant that some commands will not function on very old browsers like Internet Explorer or the command is so specific that some browsers would ignore the code as only being interpreted by say Firefox. So I got rid of a lot of unnecessary and redundant coding in my css for page header and animations linked to the berlin image. I pasted the old errors below in case any modification change is wrong. The following are “warnings” from W3C interpreting some css for compatibility issues, that may be problematic on certain browsers.

Warnings (34)

***URI : style.production.css***

|  |  |  |
| --- | --- | --- |
| 16 |  | -webkit-box-sizing is a vendor extension |
| 21 |  | -webkit-box is a vendor extension |
| 22 |  | -ms-flexbox is a vendor extension |
| 35 |  | -webkit-box-flex is a vendor extension |
| 36 |  | -ms-flex-positive is a vendor extension |
| 51 |  | -webkit-transition is a vendor extension |
| 52 |  | -o-transition is a vendor extension |
| 60 |  | -webkit-transition is a vendor extension |
| 61 |  | -o-transition is a vendor extension |
| 135 |  | -webkit-transition-duration is a vendor extension |
| 136 |  | -o-transition-duration is a vendor extension |
| 183 |  | -webkit-box is a vendor extension |
| 184 |  | -ms-flexbox is a vendor extension |
| 186 |  | -webkit-box-orient is a vendor extension |
| 187 |  | -webkit-box-direction is a vendor extension |
| 188 |  | -ms-flex-direction is a vendor extension |
| 194 |  | -webkit-box-flex is a vendor extension |
| 195 |  | -ms-flex is a vendor extension |
| 201 |  | -ms-grid-columns is a vendor extension |
| 215 |  | -moz-linear-gradient(135deg,hsl(183 62% 45% / 1) 0%,rgb(45, 55, 251) 100%) is a vendor extension |
| 221 |  | -webkit-linear-gradient(135deg,hsl(183 62% 45% / 1) 0%,rgb(45, 55, 251) 100%) is a vendor extension |
| 241 |  | -ms-grid-columns is a vendor extension |
| 280 |  | -ms-grid-columns is a vendor extension |
| 304 |  | Unrecognized at-rule @-webkit-keyframes |
| 328 |  | -webkit-animation-iteration-count is a vendor extension |
| 330 |  | -webkit-animation-direction is a vendor extension |
| 332 |  | -webkit-animation-timing-function is a vendor extension |
| 337 |  | -webkit-animation-duration is a vendor extension |
| 339 |  | -webkit-animation-name is a vendor extension |
| 344 |  | -webkit-animation-duration is a vendor extension |
| 346 |  | -webkit-animation-name is a vendor extension |
| 350 |  | Unrecognized at-rule @-webkit-keyframes |
| 363 |  | -webkit-transform is a vendor extension |
| 367 |  | -webkit-transform is a vendor extension |

[↑ TOP](https://jigsaw.w3.org/css-validator/validator#banner)

W3C CSS Validation Warning Fixes why I took the action that I did when it came to fixing repair.

Read message below or link.

[What are all of these W3C CSS Validation Warnings About? - Stack Overflow](https://stackoverflow.com/questions/52490004/what-are-all-of-these-w3c-css-validation-warnings-about)

*I have a website that was developed a few years back and I am trying to validate both the html and css using the W3C validation tools.*

*Aside from being told that W3C is obsolete and "don't worry about it", I would appreciate it if someone might explain to me all the warnings I see for such items as those listed below.*

*What I am curious to know is if I removed all of these would it have a significant adverse impact on my clients' websites? As my site was done years ago are these outdated?*

*-webkit-box-sizing is an unknown vendor extension*

*-moz-box-sizing is an unknown vendor extension*

*-webkit-border-radius is an unknown vendor extension*

*-moz-background-clip is an unknown vendor extension*

*-webkit-background-clip is an unknown vendor extension*

*-webkit-transition is an unknown vendor extension*

*-moz-transition is an unknown vendor extension*

*-o-transition is an unknown vendor extension*

*-webkit-box-sizing is an unknown vendor extension*

*-moz-box-sizing is an unknown vendor extension*

*-webkit-border-radius is an unknown vendor extension*

*-moz-background-clip is an unknown vendor extension*

*-webkit-background-clip is an unknown vendor extension*

*These CSS vendor extensions (like most) are from a time when browsers were beginning to implement newer CSS3 rules and had different enough implementations that the non-prefixed properties weren't always accepted yet for compatibility reasons.*

*At this point, these look like they'd all be safe to remove from your CSS, but there's no particular benefit in doing so.*

**I used HTML HINTER LINT and CSS Style LINT**

**The recent changings in html and css have not effected HTML linter nor CSS linter.**

Images in VS with HTML and CSS linter have indicated no style related errors nor coding errors in Visual Studio code. Also further screenshots indicate that both linter are installed and activated. Also gave enough refresh time to screenshot to each webpage and css file in case there were missing errors due to slow analysis. Screenshots confirm good to go on all files with images showing no errors and extensions clearly activated in background. The lessons I learned from previous attempts with this is take my time editing and carefully read instructions. With what I learned, from the previous attempts is that with html and CSS linters I got rid of a lot of wasted code that needed to be fixed such as commented out code, unnecessary slashes in commands not required to be there. A lot of these excess slashes were due to my previous work in Udemy when I activated and left on an extension called prettier which puts a slash with every termination command whether it was necessary for code functionality or not. That is why in older attempts I send sent with HTML still having unnecessary slashes as my VS simply won’t not allow me to get rid of the slash until Prettier extension was turn off. Other errors I fixed were errors like the labels and roles for accessibility are commands that I learned are important only to get most user happy customers with the website, but learning how to make sense of code that I did not see as important, but was.

Bonus-

* removed [tota11y.min.js](https://files.000webhost.com/) -reader aid tool javascript on all webpages as not needed as this stage
* made Sun animation in sync with cloud animation for less motion sickness.
* Removed bonus resume doc as have pdf of resume
* Fav icon not showing in tab and favorites fixed

**Cross Browsing Testing = Results**

In my previous attempt, I used Netlify to get websites to work. There were issue of animations and older internet browsers. New finding enforce that older browsers simply lack technology to implement new animations like in internet explorer.

For my exercise I could not find any issues when using desktop browsers issues. When I tried different operating systems and mobile platform things were different. When I used the form to submit contact information on my iPhone device I was unable to implement submitting the contact form. The reason was the telephone keypad on iPhone does not have a hyphen button unlike android. To solve this issue I simply change the pattern required command to leave out hyphens as a requirement for submission. I also had issues on different devices when it came to slow internet speeds. I have an old iphone 8 that would crash browser when I tried submitting the form. The solution to this problem was the main icon being the robot in top left corner which was using a whopping 6.4mb so I compressed the file to a still large, but manageable 739kb. On some devices I had issues of form submission on ipad and some mac devices when it came to pattern requirement command for emails. The solution was to remove the pattern command and ipad and other iphone devices were able to submit the form without being kicked out due to unknown requirement failure loop.