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Week 1 Assignment

**Website Proposal**

**Objective**: To redesign the website <http://floridaenergy.ufl.edu/>, so that it is responsive and easy to use.

**Current State**

* Mobile Friendliness
  + This website isn’t mobile-friendly. I tried to pull up the page on my smartphone, but the site couldn’t load, therefore I wasn’t able to view the website on my mobile phone.
  + I got a lot of errors when I used Google’s Mobile Friendly website, such as: “elements are too close together”, “text is too small to read”, and “content wider than screen”.
  + <https://search.google.com/test/mobile-friendly?id=hpM1th4067m6Jty9DJqqjA>
* Performance
  + Loading time takes more than 5 sec when visiting different navigation tabs.
  + I used the site: [https://developers.google.com/speed/pagespee d/insights/](https://developers.google.com/speed/pagespee%20d/insights/); the site received an optimization score of ‘Medium 65/100’. Two interesting suggestions that I saw was to ‘minify’ both CSS & JS. I did a google search on the meaning for this, and it basically means to remove unnecessary code without changing the functionality of the project, meaning there’s code on the site that we can do without. By minifying the CSS we can save 1KiB with a 29% reduction; with JS, we can save 646B, a 30% reduction.
  + I used the site: <https://www.webpagetest.org/result/180408_3G_18f52d38e5ead423df4dacb8071bcb4b/>
* Functionality
  + Everything does seem to work. Load time can be better on a few of the tabs
* Ease of Use
  + No. The 'Contact Us' tab is very ugly and can use a lot of rearrangement on the formatting. <http://floridaenergy.ufl.edu/contact-us/>
  + Also, the sign up for newsletter should be placed on the homepage.

**User Research – Expected Users**

* Adults and students looking for jobs
* Highschool students looking for schools with solar energy based programs.
* Florida citizens who are looking for information on their states solar energy progress
* Students doing research on solar energy, climate change, and the like.
* The students using this website will probably use their mobile phones to browse the site at first and will be visiting the site when ‘on-the-go’. Such as in between classes or during a bus ride to school.

**Device Support Necessary**

**Recommendations**

* [The search tab should be placed on the bottom right corner of the header. It shouldn't be the first row of the website.](https://app.asana.com/0/0/623528103779833)
* [The social media icons on the homepage can be smaller.](https://app.asana.com/0/0/623528103779834)
* [Remove the chunk of white space surrounding the social media icons.](https://app.asana.com/0/0/623528103779835)
* [Add left and right margins so the website doesn't look so overwhelming with information. And it's easier to look at.](https://app.asana.com/0/0/623528103779836)
* [Use a background color for the left tabs. the left navigation tabs under the Contact Us tab aren't pleasing to look at. The blend in with the rest of the page, which is all white, including the tabs themselves. http://floridaenergy.ufl.edu/contact-us/. The left margin navigation should also be shortened to what's applicable for the Contact Us tab, since that's the tab we're on. There's way too many tabs on the left side margins.](https://app.asana.com/0/0/623528103779838)
* [The gradient colors behind the pictures of the homepage are just ugly, and are better off removed.](https://app.asana.com/0/0/623528103779841)
* [Make the YouTube video on the homepage auto-play.](https://app.asana.com/0/0/623528103779840)
* [The 'Download Brochure' button on the homepage is better off if relocated to the footer of the page. It doesn't look good sitting next to the video.](https://app.asana.com/0/0/623528103779839)
* Add flex box to the header and the navigation bar sections so that these sections are responsive on a mobile device. Or we can use Media Queries to change the size of the header and navigation bar when the site is pulled up on a non-desktop sized screen.