

1st Task:

- 1) Flexbox would be a perfect fit for its components responsive adjustment. With each breakpoint components will adjust itself. Components with fonts, UI, images and detailed design will still require responsive answer from a front end developer.
- 2) Would be nice to have solid sections from <header/> ← <main> ← <section> or <article> ← </main> ← <footer/> for basic HTML architecture to work with.
- 3) Default font-size should be implemented from the start to work further with the media query breakpoints for smaller devices. Media Query breakpoint should probably be adjusted once when the user enters the smartphone breakpoint by making font a bit smaller in %.
- 4) Media query breakpoint (\$bp) with specific devices resolution (SASS is a consideration to work with (not a requirement) and to give simple explanation here):
 - a. \$bp-desktop;
 - b. \$bp-tablet;
 - c. \$bp-smartphone;
- 5) Layout:
 - a. bp-desktop:
 - i. everything stays at the same level
 - b. bp-tablet:
 - i. "Wiki logo" at the top-left corner with the Dashboard menu component and the Search bar with the button stay inline now.
Consideration for flexible design options when we enter the tablet territory and beyond with the smartphones):
 - 1) *Create hamburger menu to hide components for (Page operations, Browse Space, etc. and even adding profile options like (Log Out and etc.) in a consistent way.*
 - ii. Component / Nav Bar on the left with Page operations, Browse space, and etc. should be moved down as flexible options that are right besides each other on the same line. (ex.: from block to inline)
 - iii. Profile component - "Welcome, history and log out" should also move down and adjust with itself on the same line
 - iv. Main component section with introduction and image should adjust itself with flexbox and things are going to be automatically centered. Consideration for flexible design options when we enter the tablet territory and beyond with the smartphones):
 - 1) Making header section with introduction element (Welcome to our wiki) more centered would be more welcome but not required
 - c. bp-smartphone:
 - i. All main sections should be flexible enough already thanks to flexbox and go down with each other. But we can go even further by making all our sections go with block route even further making a compact website for mobile platforms.
 - ii. Sections of the website ideally should be centered with the developer intervention

- iii. “Wiki Logo” can be alone and at the top of the center or it can stay at the same place with a search bar on the right. Consideration for flexible design options when we enter the smartphone territory):
 - 1) “Wiki Logo” on the left and search bar should be on the right as an SVG link button only to it’s own exclusive search bar while everything else is hidden until the user makes a search decision or decides to quit. There is also a “close icon”/ SVG for search bar to be closed and being returned to it’s original state (going back to main page) when pressed.
 - iv. “Dashboard” component (if required to be there to begin with) should be alone and in-line as before
 - v. “Welcome” and nav bar components that have (Page operations, Browse Space, etc.) should adjust itself to blocky centered mess. If the text is overall long for \$bp-smartphone resolution to handle, component should go with blocky route only. If not, they should still stay inline just like with bp-tablet resolution. Should be tested.
 - vi. Main component section should stay the same while being adjusted via flexbox layout
 - vii. The “Children” and “View hierarchy” should go blocky via flexbox with each other if the font is too long and they can’t stay together
 - viii. Comment section will adjust itself and be at the center
- 6) We should not forget for the responsive images. Image that was at the largest size that might be needed, needs to be scaled down in kb size.
- Ideally for small DPI resolution for smartphones there needs to be the same image, but smaller in size. We should have media queries like: media (min-resolution: 192dpi) {background-image: ../assets/img-SMALL.jpg } for these kind of things.