Samuel Mcebo Xaba
samuel.mcebo@gmail.com
067 006 2938

Pros of using both Bootstrap and Manual Media Queries

- Bootstrap comes with many pre-built components in addition to responsive layout.
- With Manual Media Queries there's complete control of breakpoints that helps when bootstrap can't control it.
- Bootstrap can be extended with my own css and including media queries or any CSS preprocessor I want (SCSS, Stylus, LESS etc).
- Bootstrap can be customized with LESS mixins for additional flexibility.
- Bootstrap media queries are pre-written for common screen size and they are also controllable using your own manual media queries.
- Manual Medial Queries you have the full understanding of everything your code does because you wrote it all yourself.
- On Manual media Queries no need to override default setting and there's no bloat.
- The main key I took from bootstrap is that it encourages *mobile-first* design and that's a good practice in responsive web design.
- Bootstrap has lots of documentation and community support available.

Cons of using both Bootstrap and Manual Media Queries

- On bootstrap the advanced customization requires LESS, and it is much harder to modify if you have SASS or Stylus workflow instead.
- Manual media queries require a both technical and design understanding of media queries and breakpoints.
- On Manual Media Queries you have to count for all possible use cases.
- Bootstrap has a lot of CSS / Large CSS libraries, that contain many features you will never use.
- Building a solid grid system or adding those solid grid on your own is hard, it requires a lot of math and a thorough understanding of breakpoints.
- On bootstrap the columns are on defaults of twelve. Great if that's what you want but labour-intensive to change if you don't.
- Encourages you to think of breakpoints by common screen sizes; it is often better to set breakpoints based on what best suits the content rather than on device type.