

# Bootstrap Breakpoints

# Default Breakpoints

- Bootstrap hardcodes the breakpoints for different viewports.
- The intention is to use the mobile-first paradigm.
  - *Plan for the smallest screen and make adjustments size gets larger.*

## Custom, iPhone retina

- The smallest size deals with a width of 0 – 320px.
- Problematic since some browsers don't return a size this small (even when screen size is very small).

## Extra small Devices and Phones

- Referred to as xs-
- Any device that has a minimum width of 480px.
- Most phones fall into this category, even in landscape position.

# Small Devices and Tablets

- Referred to as sm-
- Any device that has a minimum width of 768px.
- Most tablets fall into this category, as well as desktop browsers that are opened in a smaller size.

# Medium Devices and Desktops

- Referred to as md-
- Any device that has a minimum width of 992px.
- This is beyond the size of most tablets or phones BUT it is possible that people have set their smaller devices to use a larger number (e.g. 992px) to trigger this viewport.

# Large Devices and Wide Screens

- Referred to as lg-
- Any device that has a minimum width of 1200px.
  - The trend toward smaller, smaller, smaller is often reversed to larger, larger, larger.
- Again some users may have settings to magnify content, this will trigger these larger views.

# Setting your own breakpoints

- It is possible to change these default values.
  - Customize before downloading
  - Modify the .css files
  - Write your own media queries

## Conclusion

- Knowing the *exact* values of the breakpoints isn't important.
- More important to know that Bootstrap refers to xs-, sm-, md-, and lg- screen sizes.
- You can always modify to your own needs.

# Acknowledgements/Contributions

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