

Media Queries and Mobile First Approach

What are Media Queries?

Media queries are a feature of CSS that enable web content to adapt to different conditions such as screen sizes, resolutions, and orientations. They allow you to apply CSS styles based on a range of criteria, making them a fundamental tool in responsive web design.

Min-width vs Max-width in Mobile First Approach

In a Mobile First approach, the choice between min-width or max-width in media queries is significant:

1. Mobile First Design: This approach involves designing the web experience for mobile devices first before scaling up to larger screens like tablets and desktops.

Min-width:

Usage: When using min-width in media queries, the styles are applied for any screen that is wider than a specified width. The base styles are for mobile devices, and enhancements are added as screen size increases.

Example:

```
body {  
    font-size: 14px;  
}  
  
@media (min-width: 768px) {  
    body {  
        font-size: 16px;
```

```
}  
  
}  
  
@media (min-width: 1024px) {  
  
  body {  
  
    font-size: 18px;  
  
  }  
  
}
```

Max-width:

Usage: The max-width property is used to apply styles for screens that are narrower than a specified width. This approach is typical in Desktop First design.

Example:

```
body {  
  
  font-size: 18px;  
  
}  
  
@media (max-width: 1024px) {  
  
  body {  
  
    font-size: 16px;  
  
  }  
  
}  
  
@media (max-width: 768px) {  
  
  body {  
  
    font-size: 14px;  
  
  }  
  
}
```

Which is More Helpful for Mobile First?

For a Mobile First approach, min-width media queries are more beneficial. This method starts with essential styles for mobile devices and progressively adds enhancements for larger screens, ensuring performance and usability on mobile devices.