

# Web Technologies

## Lecture Week Five

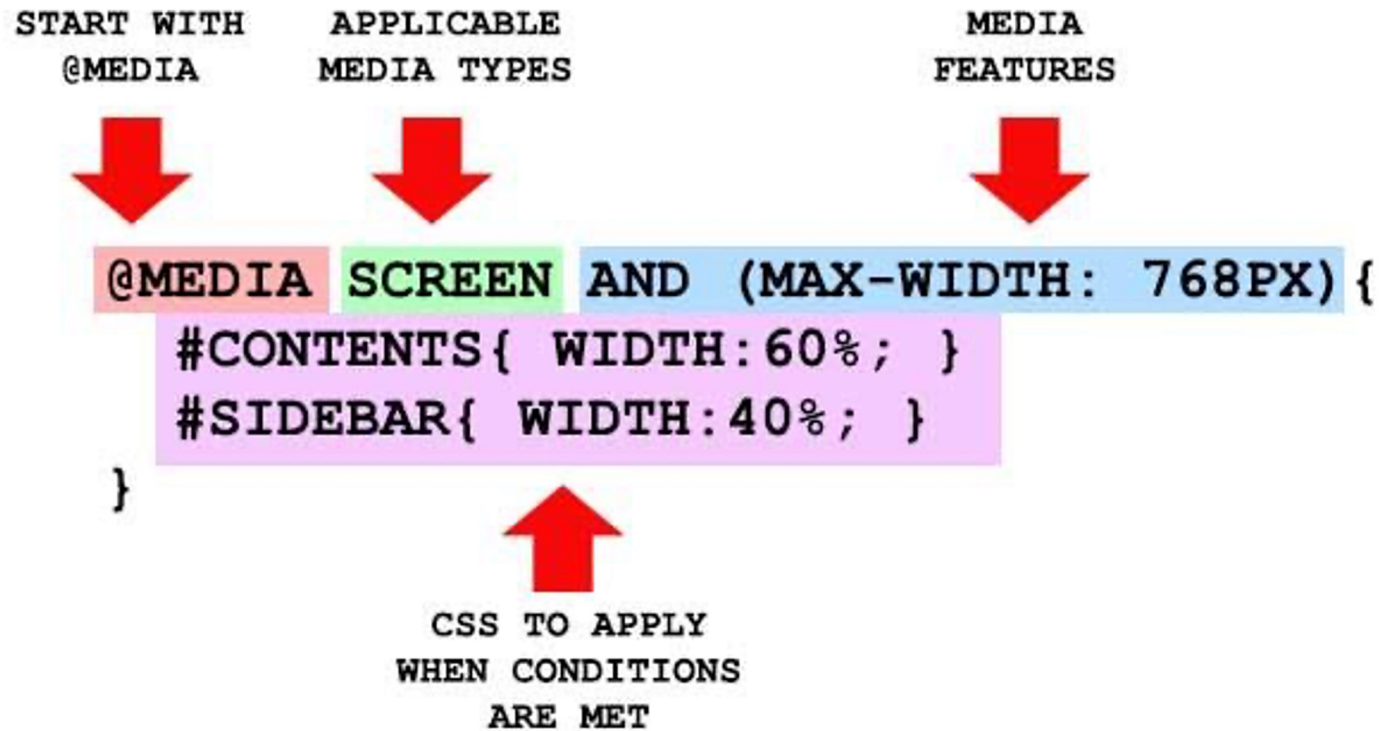
Getting Started with CSS 3



## This week's agenda

- Media Queries
- Understanding Mobile first approach
- Making your website responsive using media queries





## Media Queries...

- Media Query is a technique introduced in CSS3.
- It use the `@media` rule to include a block of CSS properties only if a certain condition is true.
- For mobile viewports to support media queries, you will require to include a `<meta>` tag in the `<head>` element.

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
@media only screen and (max-width: 600px) {  
  body {  
    background-color: lightblue;  
  }  
}
```



MOBILE FIRST APPROACH

## Mobile First Approach...

- Mobile First, as the name suggests, means that we start the design from the mobile end.
- The mobile-end has more restrictions on the design.
- Gradually expand its features to create a tablet and desktop version.
- While writing styles for mobile first approach. We start with designing for mobile version then use media queries to target larger devices.



# Mobile First Approach

```
.container{  
    width: 100%;  
    max-width: 450px;  
    margin: 0 auto;  
    padding: 0 15px;  
}  
  
@media screen and (min-width: 560px){  
    .container{  
        max-width: 530px;  
    }  
}  
  
@media screen and (min-width: 728px){  
    .container{  
        max-width: 700px;  
    }  
}
```







## Responsive Web Design...

- Responsive web design is an approach of creating your desktop version application accessible to various smart devices.
- With responsive design, we cut out the unnecessary elements or shrink the design to fit to the device.
- While writing styles for responsive web design. We start with designing for desktop version then use media queries to target smaller devices.



# Responsive Web Design

```
.container{  
    width: 100%;  
    max-width: 1140px;  
    margin: 0 auto;  
    padding: 0 15px;  
}  
  
@media screen and (max-width: 728px){  
    .container{  
        max-width: 600px;  
    }  
}  
  
@media screen and (max-width: 630px){  
    .container{  
        max-width: 500px;  
    }  
}
```



**MOBILE  
FIRST**

*Vs*

**RESPONSIVE  
WEB DESIGN**

## Mobile First Vs Responsive Design

Mobile First Design	Responsive Web Design
Minimalistic way of designing	Recommended by Google!
Can be leveraged and added more power in larger versions	Deliver better user experience for users using across devices
Faster to load and delivers flawless experience	Consistent brand experience
Idle for if your user base is widely based in mobile devices.	Idle for if your user base is widely based in desktop
The desktop versions are not readily available early	The mobile experience cannot be defined early

## Mobile First Vs Responsive Design...

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## Before you come for Lab, Research!!

- [Mozilla Developers Network: CSS](#)
- [CSS: W3C Schools](#)
- [CSS: Tutorial Points](#)
- [CSS3: Tutorial Points](#)
- [CSS Pseudo classes](#)



## Before you come for Lab, Research!!

- [Mobile First Approach](#)
- [Responsive Web Design Breakpoints](#)
- [Media Queries](#)



**Thank you!**

