Instructor N

Instructor Notes:

Add instructor notes here.

Lesson Objectives

➢ **RWD MediaQueries**

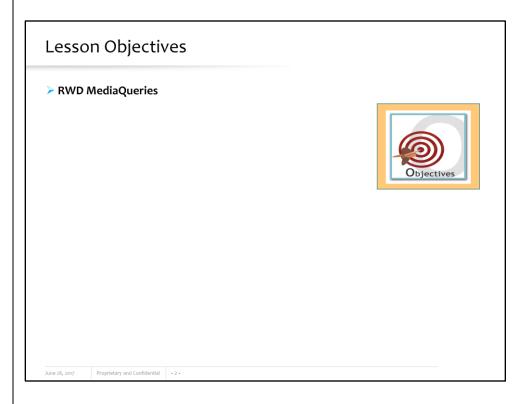June 28, 2017 | Proprietary and Confidential | - 2 -

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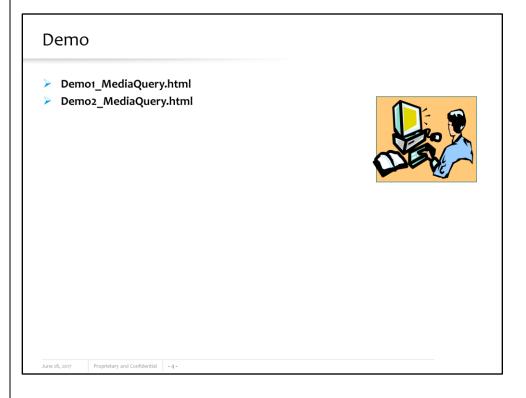
Media Queries

What is a Media Query?

➤ Media query is a CSS technique introduced in CSS3.

➤ It uses the @media rule to include a block of CSS properties only if a certain condition is true.

Example

➤ If the browser window is smaller than 500px, the background color will change to lightblue:

```
@media only screen and (max-width: 500px) {
    body {
        background-color: lightblue;
    }
}
```

Instructor Notes:

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here.

Demo

➤ **Demo1_MediaQuery.html**
➤ **Demo2_MediaQuery.html**

Instructor Notes:

Add instructor notes here.

Grid View

Mobile First Design

➢ Mobile First means designing for mobile before designing for desktop or any other device (This will make the page display faster on smaller devices).

➢ This means that we must make some changes in our CSS.

➢ Instead of changing styles when the width gets smaller than 768px, we should change the design when the width gets largerthan 768px. This will make our design Mobile First:

```
@media only screen and (min-width: 768px) {
  /* For desktop: */
  .col-1 {width: 8.33%;}
  .col-2 {width: 16.66%;}
  … }
```

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here.

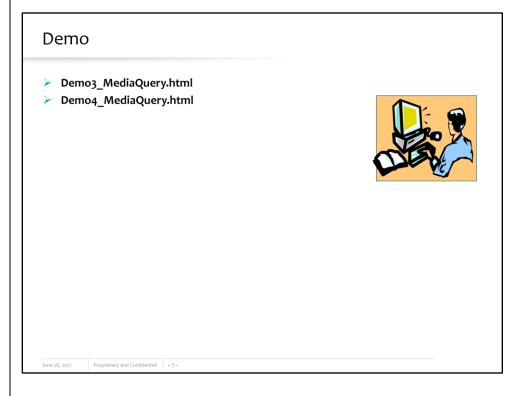## Grid View

HTML Example

For desktop:

➢ The first and the third section will both span 3 columns each. The middle section will span 6 columns.

For tablets:

➢ The first section will span 3 columns, the second will span 9, and the third section will be displayed below the first two sections, and it will span 12 columns:

```
<div class="row">
<div class="col-3 col-m-3">...</div>
<div class="col-6 col-m-9">...</div>
<div class="col-3 col-m-12">...</div>
</div>
```

Instructor Notes:

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Demo

- ➢ **Demo3_MediaQuery.html**
- ➢ **Demo4_MediaQuery.html**

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Grid View

Orientation: Portrait / Landscape

➢ Media queries can also be used to change layout of a page depending on the orientation of the browser.

➢ You can have a set of CSS properties that will only apply when the browser window is wider than its height, a so called "Landscape" orientation:

Example:

➢ The web page will have a lightblue background if the orientation is in landscape mode:

```
@media only screen and (orientation: landscape) {
   body {
      background-color: lightblue;
   }
}
```

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Instructor Notes:

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here.

Demo

➢ **Demo5_MediaQuery.html**