

Responsive Web Content

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In this workshop, I will present CSS and jQuery-based approaches for providing responsive content. Responsive content (as opposed to responsive design) focuses on content that adapts for desktops, tablets, and phones. I will demonstrate how to show/hide, redesign, and reword/replace text, images, lists, tables, and other types of content based on the device. I will also share working examples that attendees can apply to their own projects, and we will explore options for extending this method for complex situations and multiple languages.

How going mobile changes design

Everything needs to respond to screen size:

- Text
- Tables
- Images
- Navigational elements

The design solution - responsive web design (RWD)

Ethan Marcotte 2010

Examples

- www.bostonglobe.com
- www.change.org
- www.foodsense.is

How going mobile changes content

Everything needs to respond to screen size:

- Terminology
- Writing style
- Content blocks
- Navigational elements
- Interactivity

The content solution - responsive web content (RWC)

- RWC media queries and style classes
- display property (plus additional properties for and <table>)

RWC CSS style definitions

For the latest version of the code, see www.clickstart.net.

```
/* phone */
@media (max-width: 767px) {
  body .phone { display: block; }
  body span.phone { display: inline; }
  body img.phone { display: inline; }
  body li.phone { display: list-item; height: auto; visibility: visible; }
  body table.phone { position: relative; visibility: visible; height: auto; width: auto; }
  body tr.phone { display: table-row; }
}

/* tablet */
@media (min-width: 768px) and (max-width: 1279px) {
  body .tablet { display: block; }
  body span.tablet { display: inline; }
  body img.tablet { display: inline; }
  body li.tablet { display: list-item; height: auto; visibility: visible; }
  body table.tablet { position: relative; visibility: visible; height: auto; width: auto; }
  body tr.tablet { display: table-row; }
}

/* desktop */
@media (min-width: 1280px) {
  body .desktop { display: block; }
  body span.desktop { display: inline; }
  body img.desktop { display: inline; }
  body li.desktop { display: list-item; height: auto; visibility: visible; }
  body table.desktop { position: relative; visibility: visible; height: auto; width: auto; }
  body tr.desktop { display: table-row; }
}

.phone { display: none; }
.tablet { display: none; }
.desktop { display: none; }

table.desktop { display: table; position: absolute; visibility: hidden; height: 0; width: 0; }
table.tablet { display: table; position: absolute; visibility: hidden; height: 0; width: 0; }
table.phone { display: table; position: absolute; visibility: hidden; height: 0; width: 0; }

li.phone { display: block; height: 0; visibility: hidden; }
li.tablet { display: block; height: 0; visibility: hidden; }
li.desktop { display: block; height: 0; visibility: hidden; }
```

RWC examples

During the workshop, I will demonstrate how to use these style definitions to dynamically show/hide words, paragraphs, lists, list items, tables, table rows, and images.

<p class="desktop">Sample sentence for desktops.</p>

<p>ClickTapOK.</p>

RWC sample files

See www.clickstart.net for sample files.

About the presenter

Scott DeLoach is the Founder of Click**Start**, where he provides training and consulting for MadCap Flare, embedded user assistance, CSS, and HTML5. He has been developing browser-based help systems for 20 years, and he has received four Best in Show awards for his work from STC.

Scott is a certified Flare instructor, and he is the author of *MadCap Flare Developer's Guide*, *CSS to the Point*, *HTML5 to the Point*, and *Word 2013 to the Point*. For more information about Scott's books see www.lulu.com/clickstart.

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