

# 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](http://www.bostonglobe.com)
- [www.change.org](http://www.change.org)
- [www.foodsense.is](http://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 <li> and <table>)

## RWC CSS style definitions

For the latest version of the code, see [www.clickstart.net](http://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><span class="desktop">Click</span><span class="tablet phone">Tap</span>OK.</p>

## **RWC sample files**

See [www.clickstart.net](http://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](http://www.lulu.com/clickstart).

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