Who Am I?*

*Besides a handsome devil
Responsive Web Design: The idea that your website will automatically adapt to the device it’s being viewed on.
Why?
How?

❖ EM-Based Breakpoints
❖ Breakpoints based on Content
❖ Consider Connection Speeds
WURFL Database

- Device Detection
- Feature Detection
- Open Source
- Scientia Mobile
<table>
<thead>
<tr>
<th></th>
<th>Free</th>
<th>Basic</th>
<th>Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Price</strong></td>
<td>$0 per month</td>
<td>$10 per month</td>
<td>$500 per month</td>
</tr>
<tr>
<td><strong>Capabilities</strong></td>
<td>5 capabilities</td>
<td>5 capabilities</td>
<td>Unlimited capabilities</td>
</tr>
<tr>
<td><strong>Detection</strong></td>
<td>5,000 detections</td>
<td>50,000 detections</td>
<td>10 million detections</td>
</tr>
<tr>
<td><strong>IPs/Domains</strong></td>
<td>1 IP, 1 domain</td>
<td>1 IP, 1 domain</td>
<td>25 IPs, 3 domains</td>
</tr>
<tr>
<td><strong>Price/Extra</strong></td>
<td>$5/mo per extra capability</td>
<td>$5/mo per extra capability</td>
<td>Sign Up</td>
</tr>
</tbody>
</table>

[rwdwp.com/20]
wp_is_mobile()
function jlc_is_mobile_device($apikey) {
    try{
        $config = new WurflCloud_Client_Config();
        $config->api_key = $apikey;
        $client = new WurflCloud_Client_Client($config);
        $client->detectDevice();

        return $client->getDeviceCapability('is_wireless_device');
    }catch (Exception $e){
        return wp_is_mobile();
    }
}

define( 'ISMOBILE', jlc_is_mobile_device());
if(ISMOBILE){
    //display one way
}else{
    //not mobile device
    //display different way
}
Responsive Workflow

❖ Sketch
❖ Code
❖ Test
❖ Repeat
Mobile First!
I use the web completely differently on mobile devices.

- No One
Design in the Browser
General Notes for Page Weight
When You Can’t Use a new Design

❖ Do a Content Audit
❖ Ask What’s the most important (to your users)
❖ Start Shrinking
❖ Test…a lot.
Make it Work with WordPress
Navigation

❖ Do Nothing
❖ Hide n' Cry
❖ Jump to

❖ Select Box
❖ Responsive Nav
❖ Off-Canvas
<nav id="main">
  <?php
    if(!ISMOBILE){
      wp_nav_menu( array('menu' => 'Main', 'container_id' => 'top-menu'));
    }else{
      echo '<a href="#footernav">Jump to Nav</a>';
    }
  ?>
</nav>
<php if(ISMOBILE){ ?>
    <nav id="footer-nav">
        <php wp_nav_menu( array('menu' => 'Main'))); ?>
    </nav>
</php } ?>
Comments

- Incremental Loading (http://rwdwp.com/45)
- Paginated
- Separate Page (http://rwdwp.com/46)
Responsive Images
picturefill.js

2.0 is out: http://rwdwp.com/96
<picture>
  <!--[if IE 9]><!--></video style="display: none;"><!--><![endif]-->
  <source srcset="extralarge.jpg" media="(min-width: 1000px)"
  >
  <source srcset="large.jpg" media="(min-width: 800px)"
  >
  <source srcset="medium.jpg">
  <!--[if IE 9]></video><![endif]-->  
  <img srcset="medium.jpg" alt="A giant stone face at The Bayon temple in Angkor Thom, Cambodia">
</picture>
Updating Plugin

❖ Replace Featured Images
❖ Check for `<picture>` element first, fallback to picturefill.js
$(function()
{
    $('.post img').removeAttr("width").removeAttrAttr("height");
});
Images Are Hard!
@media (-webkit-min-device-pixel-ratio: 2), (min-resolution: 192dpi) {
    /* Retina-specific stuff here */
}

<span data-src="retina.jpg" data-media="(-webkit-min-device-pixel-ratio: 2) and (min-resolution: 192dpi)"/>

rwdwp.com/95
Helpful Updates to Core

- HTML 5 Elements (figure, figcaption)
- Better Media Embeds (consider for themes)
HTML5 Galleries!

```
add_theme_support( 'html5', array('gallery' 'caption') );
```

[http://rwdwp.com/97](http://rwdwp.com/97)
Testing
- iPhone 4, 5
- iPad 2 or new iPad
- Android 4.0+ Phones: Galaxy Nexus, Galaxy Note II, S3 or S4, Droid Incredible (one of them), Droid DNA or Razor Maxx
- Android pre-4.0 Phones: Moto DroidX, Evo4G
- Android Tablets: Nexus 7, 10, Samsung Galaxy Note 10, Galaxy Tab 8.9, Kindle Fire, Moto XOOM
- At least one Blackberry (Q10, Z10)
- At least one Windows Phone (Lumia or HTC 8x)
- For fun: a Kindle or some other eReader
Connectivity

- Broadband (wired or wifi connection)
- 4G (on multiple carriers if possible)
- 3G (on multiple carriers if possible)
- 4G and 3G while traveling
❖ The device’s native browser (Safari, Browser, etc)
❖ Chrome on Android and iOS
❖ Mobile Opera
❖ Dolphin
❖ Mobile Firefox
Slides will be at casabona.org/events

Questions?

Discount Code: RWDWP with you order from peachpit.com