Template Construction

Install location of templates:

[Install HTML Code Templates](#)

Identify the core components to be used in all umbraco page templates to give cross browser consistency.
Assumption: IE8 must be supported.

1. HTML5 Bolierplate v4.3.0
   a. http://html5boilerplate.com/
   b. Proivides
      i. Normalise : makes browsers render all elements more consistently and in line with modern standards (modern alternative to a CSS reset).
         1) Tip: use clearfix class to ensure an element always contains its floated children.
         2) TBD: Bin the default media queries as we want to define our own.
         3) Useful default print settings - e.g. switching off all background colours.
         4) Add the microsites reset.less file to override some Normalise settings.
      ii. Modernizr : Create HTML5 elements in IE and does feature detection.
         1) TBD: Bin as we will not be using feature detection - improve performance.
         2) Use html5shiv instead (note this script is included in modernizr).
      iii. Jquery : Includes the latest Jquery version - use the 1.x version as the 2.x version drops support for IE8,7,6. Use version 1.10.2 (GAM uses IE8 so must support it).

         TBD: Use a CDN for jquery and backup for our server.
         This may help with mobile performance (as the CDN may already be cached by the user visiting popular sites).

      iv.
      ```
      <script src="//ajax.googleapis.com/ajax/libs/jquery/1.8.0/jquery.min.js"></script>
      <script>window.jQuery || document.write('<script src="js/vendor/jquery-1.8.0.min.js"><\/script>')</script>
      ```
      v.

2. Polyfils
   a. TBD: Target all browsers or just < IE9?
      There will be older versions of the other browsers out there - do we want to support them?
   b. Html5shiv (3.7.0) : adds missing HTML5 elements to IE, and allows them to be styled.

      http://code.google.com/p/html5shim/

      ```
      <!--[if lt IE 9]>
      <script src="dist/html5shiv.js"></script>
      <![endif]-->
      ```

      Add to the HEAD.

      Modernizr doesn't appear to polyfill HTML5 elements that are loaded via AJAX - it only works on content that was present on initial page load. Html5Shiv DOES work on content loaded via AJAX, but it's also only a small subset of modernizr's feature set.

      Note: There is an HTML5 printing shiv - hold off on using it - until we see a need.

   c. Selectivizr (1.0.2) - CSS3 selectors for IE

      http://selectivizr.com/

1)

	jQuery 1.3 / 1.4
[attr]	✔
[attr=]	✔
[attr~=]	✔
[attr|=]	✔
[attr^=]	~
[attr$=]	~
[attr*=]	~
:nth-child	✔
:nth-last-child	✖
:nth-of-type	✖
:nth-last-of-type	✖
:first-child	✔
:last-child	✔
:only-child	✔
:first-of-type	✖
:last-of-type	✖
:only-of-type	✖
:empty	~
:enabled	✔
:disabled	✔
:checked	✔
:hover	✔
:focus	✔
:target †	✔
:not	✔
:root	✖
::first-line	✔
::first-letter	✔

website

A table of JavaSc

d. Respond.js (v1.4.0):

A fast & lightweight polyfill for min/max-width CSS3 Media Queries (for IE 6-8, and more)

As you might guess, this implementation is quite dumb in regards to CSS parsing rules. This is a good thing, because that allows it to run really fast, but its looseness may also cause unexpected behavior. For example: if you enclose a whole media query in a comment intending to disable its rules, you'll probably find that those rules will end up enabled in non-media-query-supporting browsers.

Respond.js doesn't parse CSS referenced via @import, nor does it work with media queries within style elements, as those styles can't be re-requested for parsing.

Pasted from <https://github.com/scottjehl/Respond>

Alternative to the script http://code.google.com/p/css3-mediaqueries-js/ supports other media queries that we are not currently planning on using.

Demo : https://rawgithub.com/scottjehl/Respond/master/test/test.html

Add within the head element after CSS loaded.

<head>

    <meta charset="utf-8" />

    <title>Respond JS Test Page</title>

    <link href="test.css" rel="stylesheet"/>

    <link href="test2.css" media="screen and (min-width: 37.5em)" rel="stylesheet"/> <!-- 37.5em = 600px @ 16px -->

    <script src="../dest/respond.src.js"></script>

    </head>

Pasted from <https://rawgithub.com/scottjehl/Respond/master/test/test.html>

Document type

<!DOCTYPE html>

Pasted from <http://www.w3schools.com/tags/tag_doctype.asp>

Character Set

05 December 2013

```
<meta charset="utf-8">
```

X-UA-Compatible

05 December 2013
14:20

Specify standards mode in IE - wrap around conditional IE comment

 <!--[if IE]>

```
<meta http-equiv="X-UA-Compatible" content="IE=Edge,chrome=1" />
```

  <![endif]-->

We can add this into the web.config so it triggers before the user's settings in the IE browser.

IE Specific header - chrome refers to chrome frame used within the IE browser.

Viewport

05 December 2013
14:33

Generally, only use in a responsive or mobile web sites.

Used to tell the device that the website will adapt to the device width.

<meta name="viewport" content="width=device-width, initial-scale=1.0">

Leave the website zoomable, so the user can say zoom in to fill out form input controls and then zoom back out again.
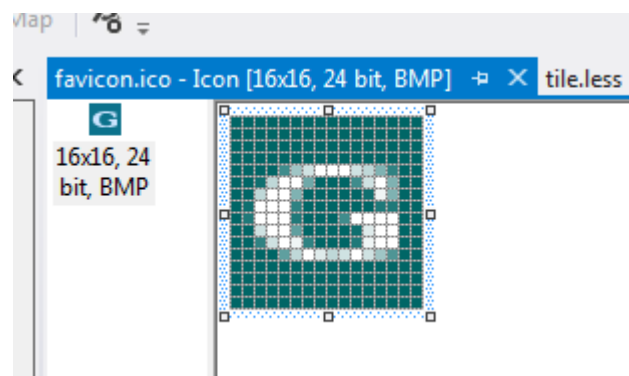
Favicon

05 December 2013
14:42

 The format for the image you have chosen must be 16x16 pixels or 32x32 pixels, using either 8-bit or 24-bit colors. The format of the image must be one of [PNG](#) (a W3C standard), GIF, or ICO.

Most browsers will look for a favicon.ico at the root of the website.

Re-use the favicon.ico from the microsites.

```
<link rel="icon" href="/images/favicon.png" type="image/png" /> - if we want to
use a png.
<link rel="shortcut icon" href="/favicon.ico" /> - only supported in IE, can use
if we want to rename, type not required.
```

See mobile icons [Apple](#)

Apple

```html
<link rel="apple-touch-icon" href="apple-touch-icon.png">
```

```
Make it 152x152 and let older apple devices use this and do automatic resizing.

Not using precomposed will allow apple devices to modify look and feel e.g. add
rounded corners and add sheen where needed.

To prevent this add the following:
```

```html
<link rel="apple-touch-icon-precomposed" href="apple-touch-icon-precomposed.png">
```

```
If these icons are missing the device may just use the webpage screenshot for the
the icon.
```

HTML5Boilerplate is now taking is to use only the 152x152 icon and call it `apple-touch-icon-precomposed.png`, and let other iDevices resize that as needed

On apples website the `apple-touch-icon.png icon is 152x152`

Note: No precomposed image on apples own website www.apple.com

Pasted from <http://stackoverflow.com/questions/11761864/how-to-define-the-website-screen-shortcut-icon>

Apple devices will search for the following on the website if not specified in HTML (Android devices need it specified in HTML).

```
apple-touch-icon-57x57-precomposed.png
apple-touch-icon-57x57.png
apple-touch-icon-precomposed.png
apple-touch-icon.png - used for a Home screen link.
```

Pasted from <http://stackoverflow.com/questions/11761864/how-to-define-the-website-screen-shortcut-icon>

144 × 144 pixels for an iPad Retina display.
114 × 114 pixels for an iPhone Retina display - iphone 4.
57 × 57 pixels for almost anything else
One thing to watch out for is that iOS 4.2+ will simply ignore the size attribute, so you can just link them with out it. I'd suggest putting the size within the icon's file name just for organizational purposes.

Pasted from <http://stackoverflow.com/questions/11761864/how-to-define-the-website-screen-shortcut-icon>

```html
<link rel="apple-touch-icon" sizes="72x72"
href="http://yourdomain.com/path/icon72.png" />
<link rel="apple-touch-icon" sizes="114x114"
href="http://yourdomain.com/path/icon114.png" />
```

```
<link rel="apple-touch-icon" sizes="144x144"
href="http://yourdomain.com/path/icon144.png" />
```

Older devices don't understand the sizes attribute and use whatever is last so make the following last in the html.

```
<link rel="apple-touch-icon" href="http://yourdomain.com/path/icon57.png" />
```

Pasted from <http://stackoverflow.com/questions/11761864/how-to-define-the-website-screen-shortcut-icon>

Html element

<html lang="en">

TBD: Add the lang attribute and specify the language en or de?

This is meant to assist search engines.

CSS classes for mobile

Bootstrap 2 conventions

10 December 2013
09:01

```css
.hidden {
  display: none;
  visibility: hidden;
}

.visible-phone {
  display: none !important;
}

.visible-tablet {
  display: none !important;
}

.hidden-desktop {
  display: none !important;
}

.visible-desktop {
  display: inherit !important;
}




@media (min-width: 768px) and (max-width: 979px) {
  .hidden-desktop {
    display: inherit !important;
  }
  .visible-desktop {
    display: none !important ;
  }
  .visible-tablet {
    display: inherit !important;
  }
  .hidden-tablet {
    display: none !important;
  }
}



/* Below Portrait iPad
Hide desktop.
Tablet?

*/

@media (max-width: 767px) {
  .hidden-desktop {
```
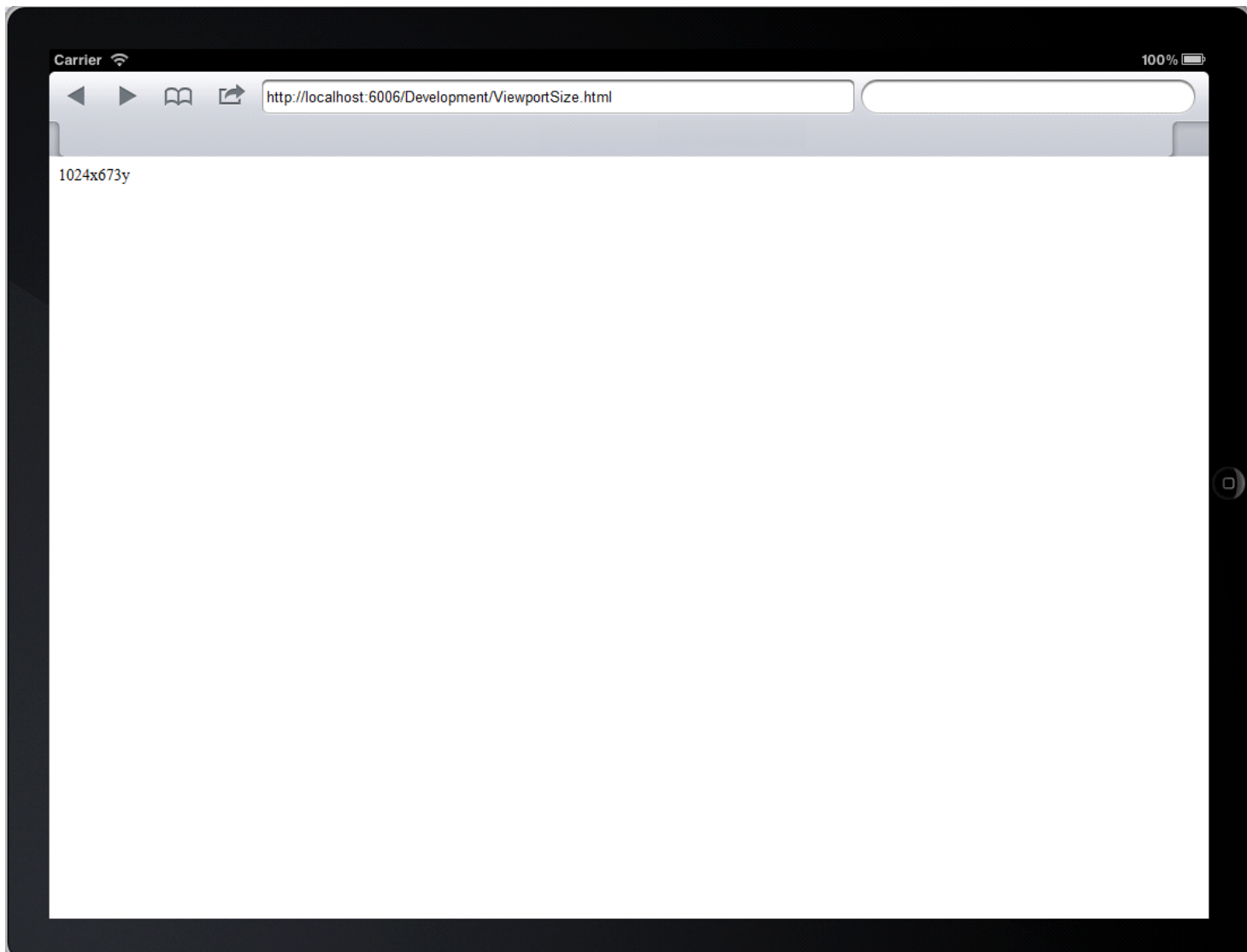
```css
    display: inherit !important;
  }
  .visible-desktop {
    display: none !important;
  }
  .visible-phone {
    display: inherit !important;
  }
  .hidden-phone {
    display: none !important;
  }
}
```
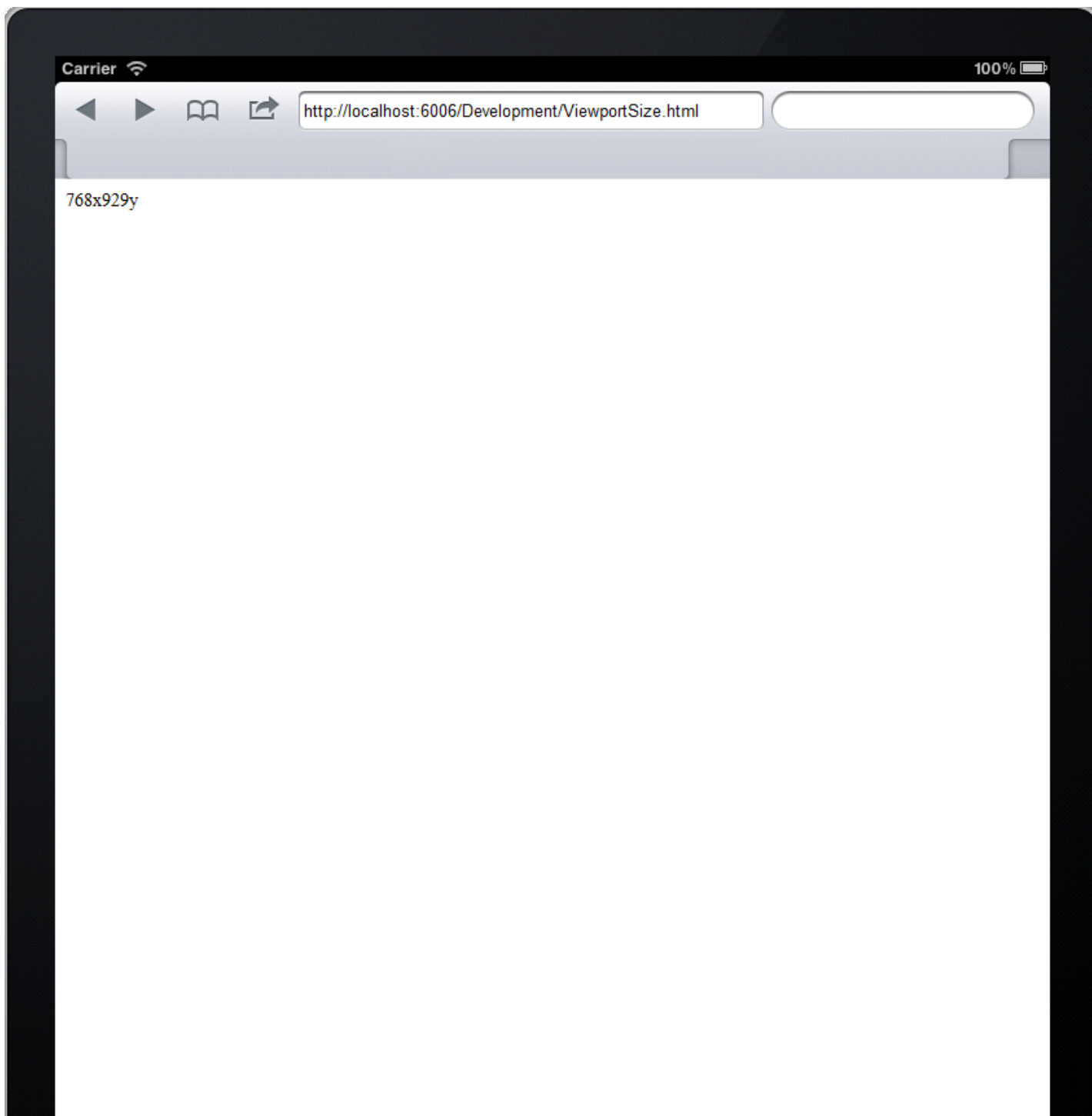
iPad Landscape

10 December 2013
09:51

http://localhost:6006/Development/ViewportSize.html

1024x673y

iPad Portrait

10 December 2013
09:51

http://localhost:6006/Development/ViewportSize.html

768x929y

iPhone Landscape

10 December 2013
09:52

iPhone Portrait

10 December 2013
09:53

320x416y