# Responsive CSS
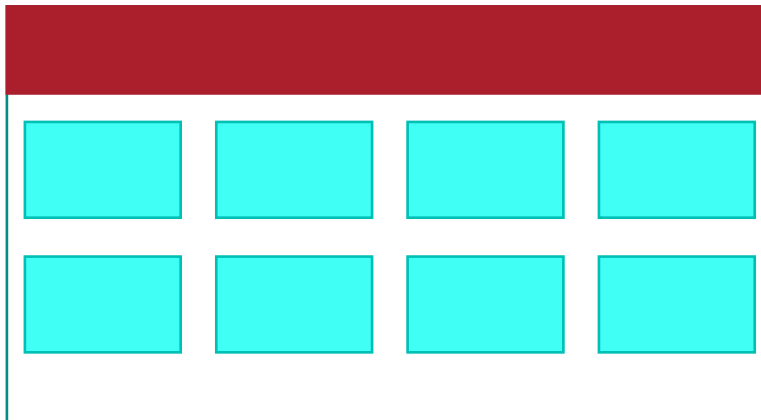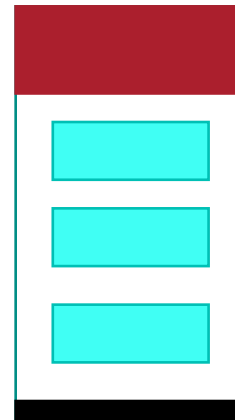
COMS10012 / COMSM0085

Software Tools

# Responsive

Desktop

Mobile

# General

Bad: `main { width: 800px; }`

OK:  `main { max-width: 800px;`
`        margin: 0 auto; }`

centers content horizontally

# Media queries

```
@media ... {
    h1 {
        font-size: 20px;
    }
}
```

# Media queries

```
@media (min-width: 600px)
   and (max-width: 800px) { ... }


@media screen and ...
```

Dimensions: iPhone 6/7/8 Plus ▼    414  ×  736    100% ▼    No throttling ▼

Elements    Network    Sources    Performance    Memory    ⊕ 14    ⚙    …    ✕

```
<!DOCTYPE html>
<html class="showJSNav" lang="en">
  ▶ <head>…</head>
  ▼ <body> == $0
    ▶ <noscript>…</noscript>
    ▶ <div id="___gatsby">…</div>
      <script id="gatsby-script-loader">/*<!
      [CDATA[*/window.pagePath="/";/*]]>*/</script>
    ▶ <script id="gatsby-chunk-mapping">…</script>
      <script src="/homepage/webpack-runtime-57d3244….js" async>
      </script>
      <script src="/homepage/app-9de6285….js" async></script>
      <script src="/homepage/commons-d2e5e45….js" async></script>
      <script src="/homepage/component---src-pages-index-tsx-b6e611
      0….js" async></script>
      <script src="/homepage/styles-dd6c991….js" async></script>
    </body>
</html>
```

html.showJSNav    body

Styles    Computed    Layout

Filter                    :hov    .cls    +    ▢

element.style {
}

@media (max-width: 800px)        (index):1
body {
    font-size: 1.6rem;
    line-height: 1.5;
}

body, button, input,             (index):1
select, textarea {
    font-family: Open
        Sans,Helvetica;
}

body {                           (index):1
    background-position: ▶ 50%;
}

*, :after, :before {             (index):1
    box-sizing: border-box;
}

* {                              (index):1
    margin: ▶ 0;
    padding: ▶ 0;
}

body {        user agent stylesheet
    display: block;
    margin: ▶ 8px;
}

Search    Changes    Rendering    Issues    Console    +    ✕

top ▼    Filter            Default levels ▼    ⊕ 14

☐ Hide network                    ☐ Log XMLHttpRequests
☐ Preserve log                    ☑ Eager evaluation
☐ Selected context only           ☑ Autocomplete from history
☑ Group similar messages in console    ☑ Evaluate triggers user activation

Discover your story                           HeroText.tsx:11
true                                          index.tsx:202
[Intervention] Images loaded lazily and replaced with placeholders. Load    www.bristol.ac.uk/:1
events are deferred. See https://go.microsoft.com/fwlink/?linkid=2048113
>

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