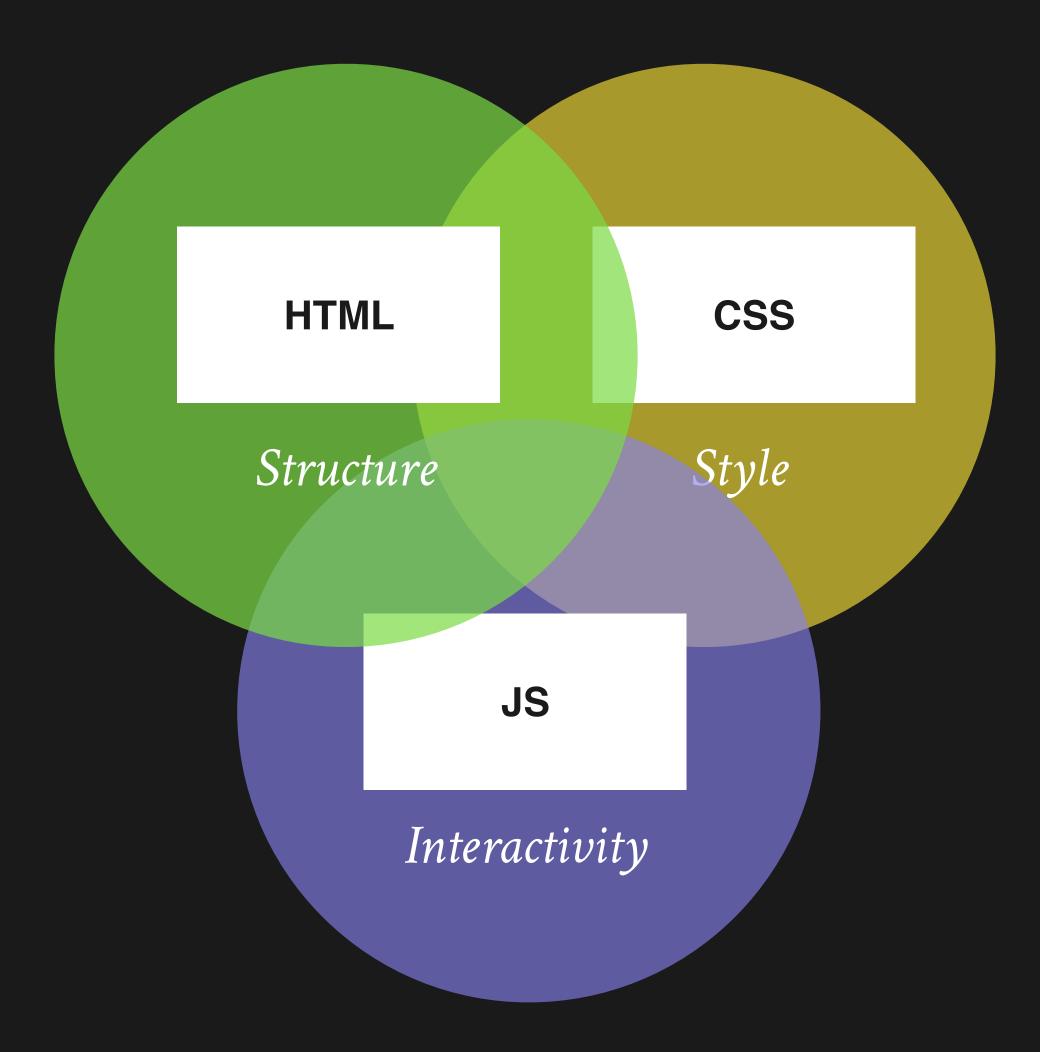


An introduction to CSS

How styles and structure work together





CSS in the full stack

Where does it fit into the picture?

HTML, CSS, JS FRONT END **Programming languages BACKEND APIs Databases**





Cascading

Style

Sheets



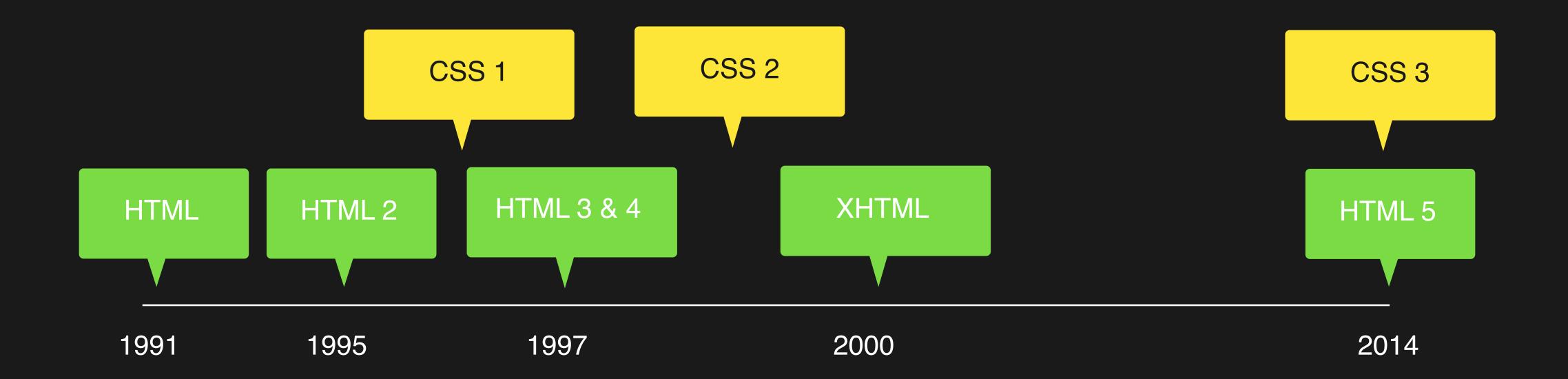
A brief history

In fact, it has been a constant source of delight for me over the past year to get to continually tell hordes (literally) of people who want to -- strap yourselves in, here it comes -- control what their documents look like in ways that would be trivial in TeX, Microsoft Word, and every other common text processing environment: "Sorry, you're screwed."

MARC ANDREESSEN
Founder, Netscape



A brief history







What can CSS do?



HTML only



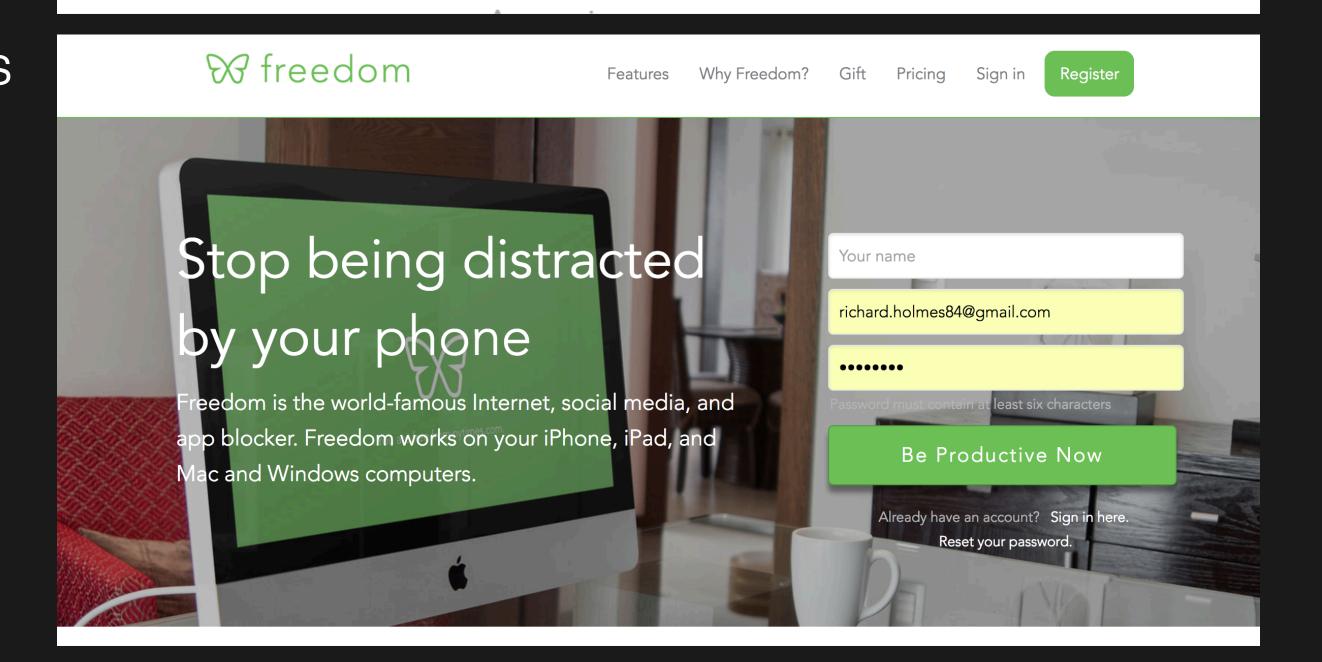
- Why Freedom?
- <u>Gift</u>
- Pricing
- Sign in
- Register



Block the Internet, Apps, and Websites

Used by over 250,000 people to improve focus and productivity. Try Freedom for free today - no credit card required.

HTML + CSS





The 2 functions of CSS

Applying styles

Positioning elements





- ъ.
- <u>Features</u><u>Why Freedom?</u>
- Gift
- Pricing
- Sign in
- Register

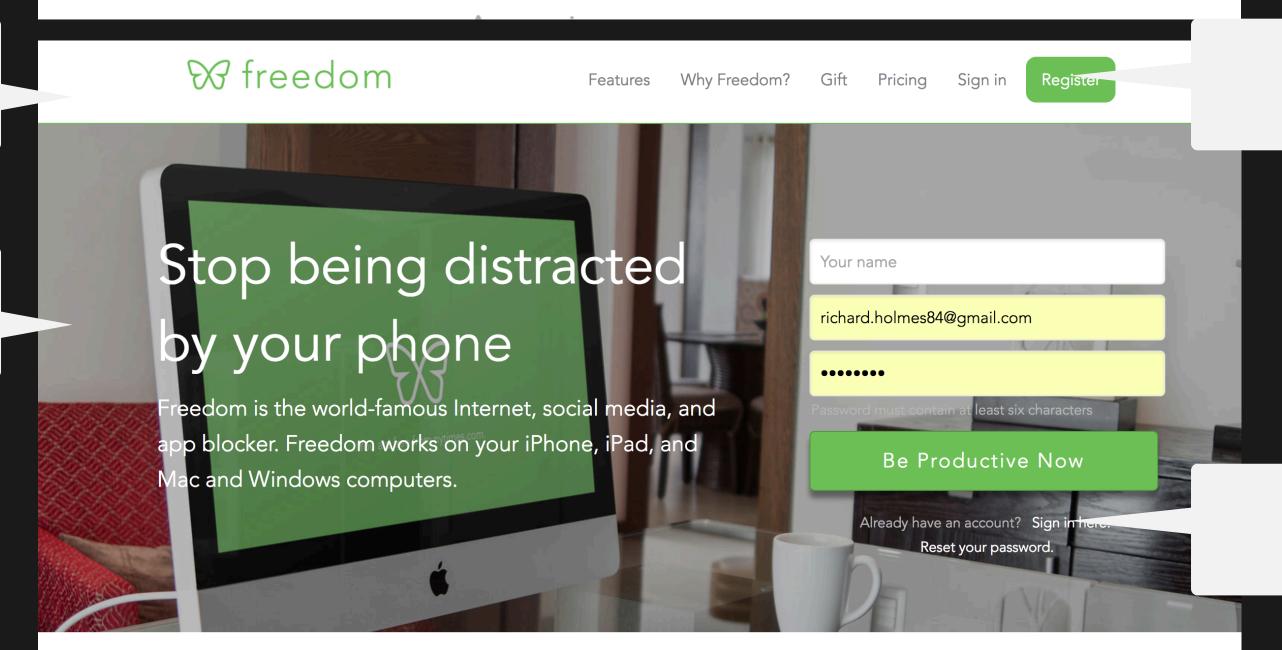


Block the Internet, Apps, and Websites

Used by over 250,000 people to improve focus and productivity. Try Freedom for free today - no credit card required.

CSS positioning

CSS background



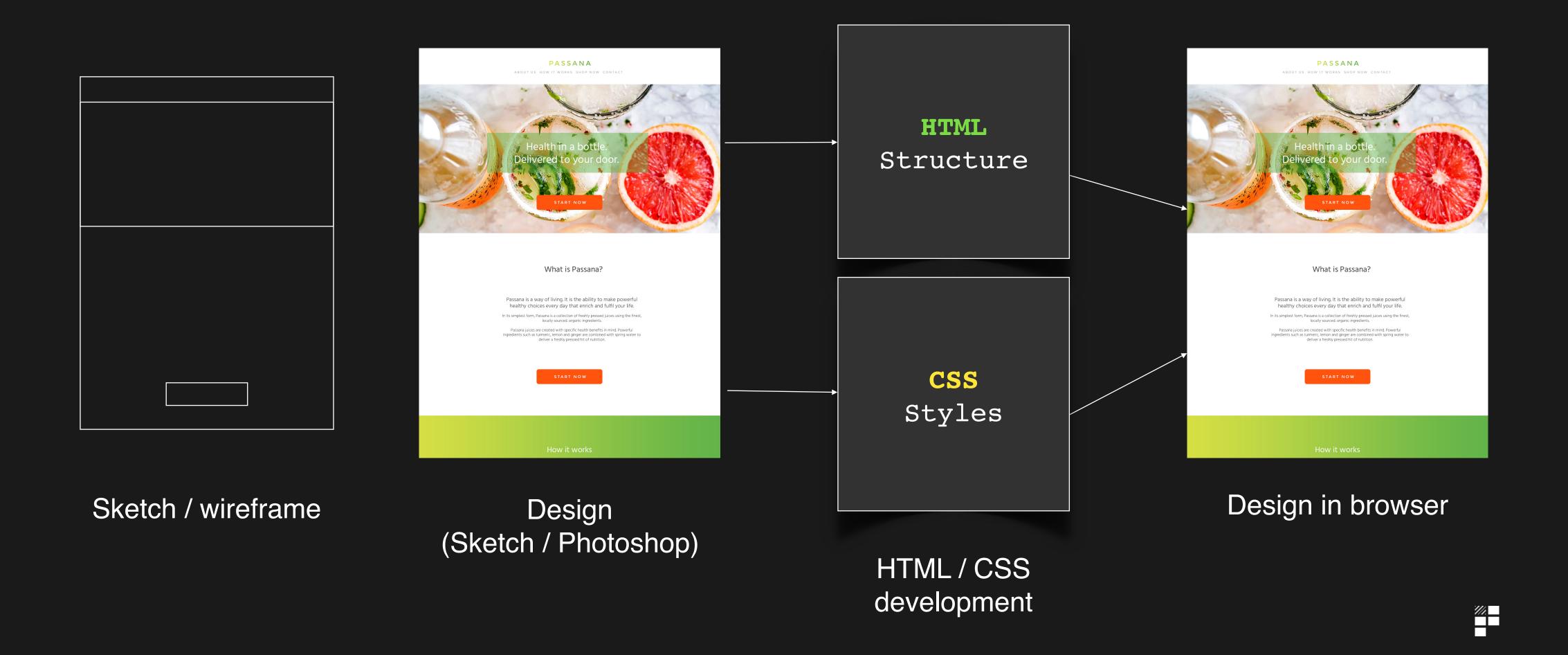
CSS buttons

CSS fonts

How is CSS applied?



The front end development process



How is CSS applied?

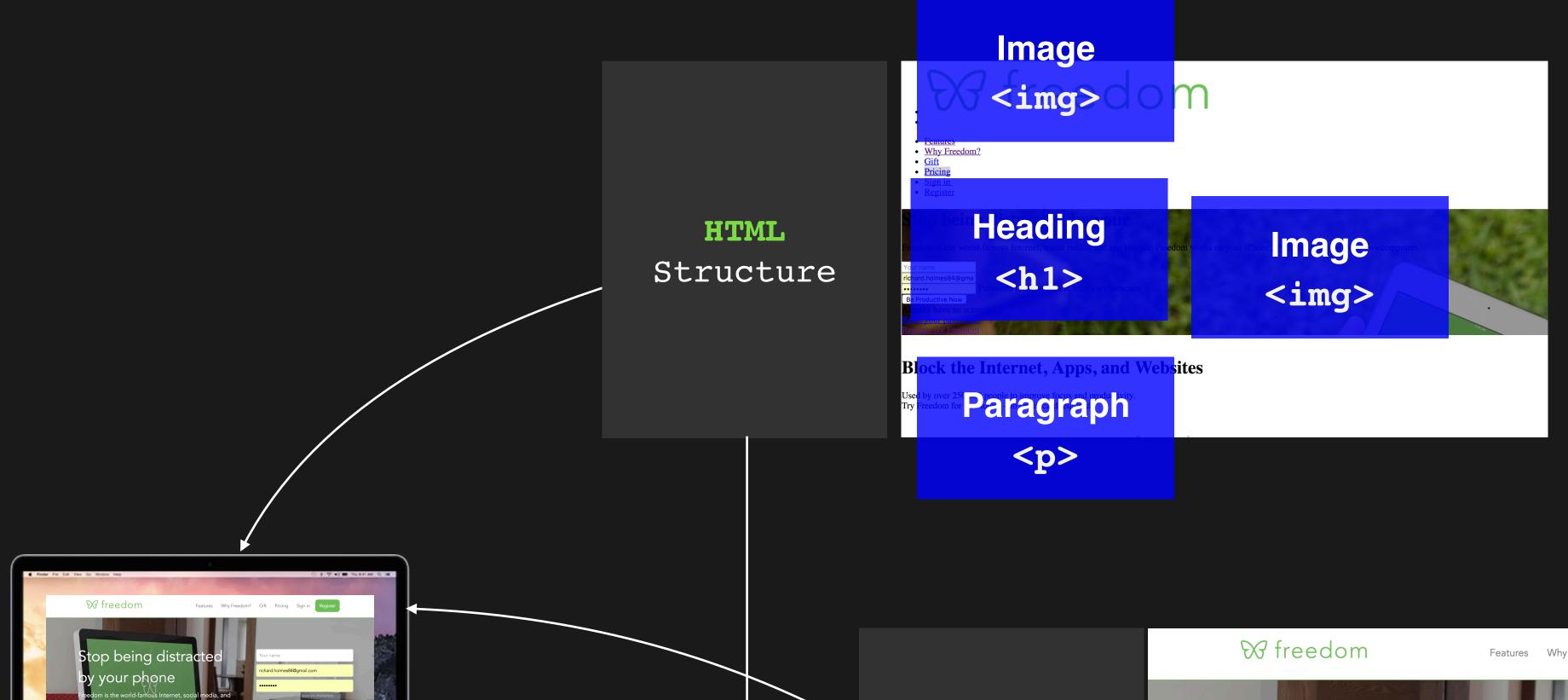
CSSStylesheets

Inline CSS



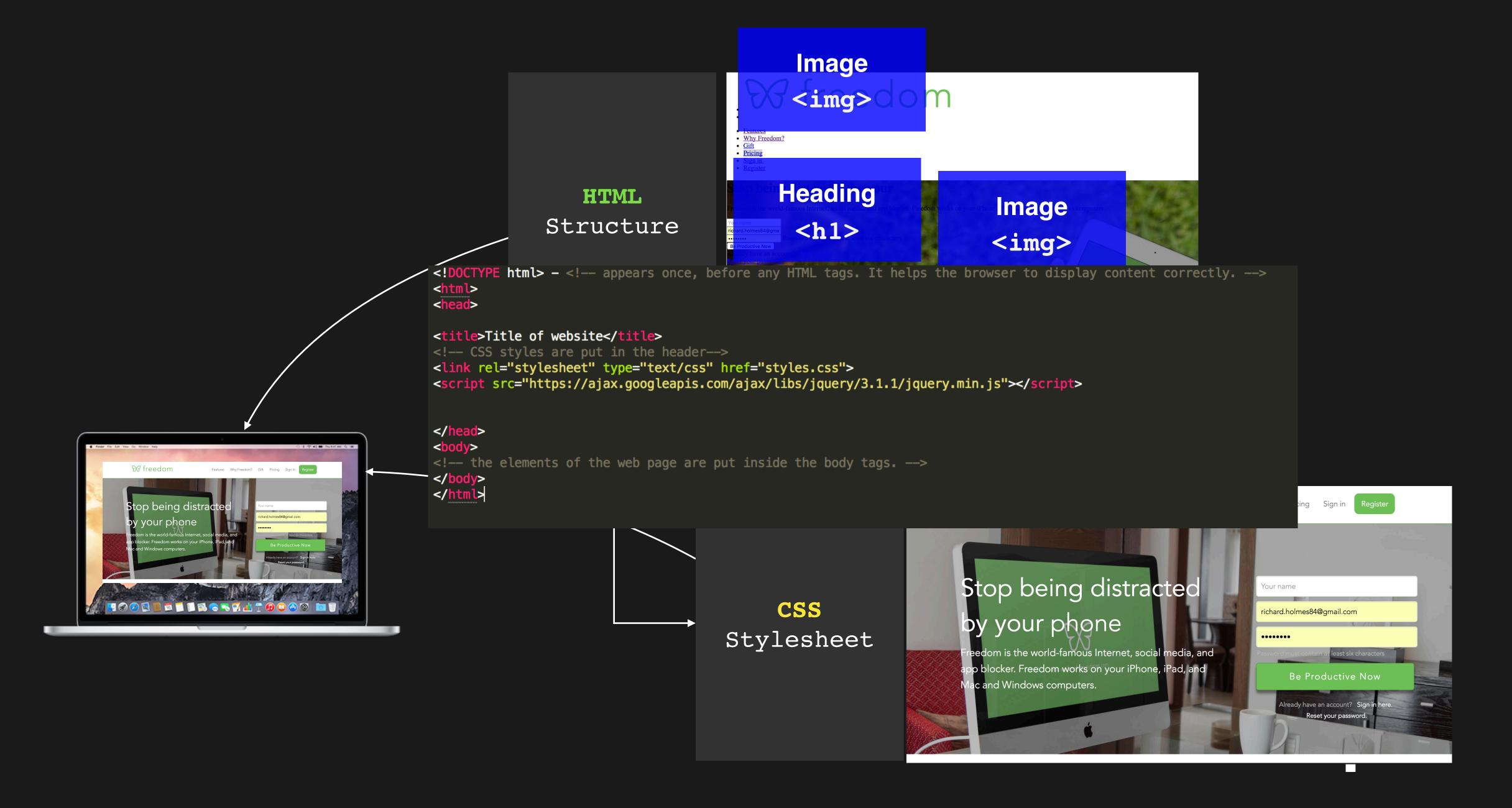
CSS stylesheets





CSSStylesheet





CSS stylesheet

```
/*-This is the finished stylesheet. This is how you add comments in CSS-*/
 #passana-container h1 {
font-size: 48px;
font-weight: 400;
                                                  Make the font size 36px
 #passana-container h2 {
    font-size: 36px;
    font-weight: 400;
 .center {
    text-align: center;
h1, p, body {
font-family: 'Hind';
                                                          Center the text
 .underline {
    text-decoration: underline;
line-height: normal;
       ----Header section----*/
.main-logo {
 display: block;
margin: 0 auto;
                                           Add space above the navigation
padding: 0 5% 0 5%;
 margin-top: 3%;
nav li {
display: inline;
list-style-type: none;
padding-right: 3%;
font-size: 14px:
```



HTML

Structure

```
<h1 style="color:blue;ma
                                                     ig</h1>
<h2>What does HTML do? <
<h3>Structure - </h3>
HTML enables you to describe the structure of a document so it can be interpreted
and displayed correctly by the browser and styled CSS.
It tells the browser what the page consists of. It tells the browser 'this is an
image, this is a table, this is a paragraph and so on'. These are known as elements.</
<l
Elements – the 'things' on a page are known as elements. 
Linking – one of the most important elements in HTML is the anchor tag – this
allows documents to be linked together. This was one of the primary reasons for HTML
when it was introduced; linking documents together to create a 'network' of documents
that scientists could use
<h3>Who uses HTML?</h3>
Your front end developers work with HTML, primarily to build the structure of web
pages. 
Backend programmers will sometimes use it but 
Marketing folks may using HTML for writing blog posts 
Example - tools like WordPress have a 'Visual' editor or a 'Text' editor - https://
/www.evernote.com/l/AHVsuBQpKP1Hu6lo5x0uErrXWxkr1mFbq-w 
<a href="http://www.link.com">Click</a>
<img src="http://www.link.com/img.jpg" alt ="description of the image" >
```

Stylesheet

/*-This is the finished styles

#passana-container h1 {

#passana-container h2 { font-size: 36px;

font-weight: 400;

text-align: center;

text-decoration: underline;

/*-----*/

h1, p, body {
font-family: 'Hind';

line-height: normal;

font-size: 48px; font-weight: 400;

.center {

.underline {

.main-logo { display: block;

nav {

nav li {

margin: 0 auto;

margin-top: 3%;

display: inline;

padding-right: 3%; font-size: 14px:

list-style-type: none;

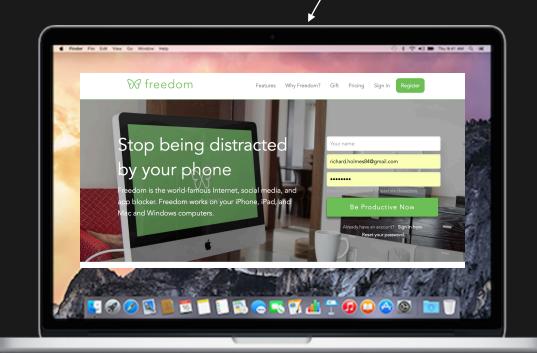
padding: 0 5% 0 5%;

CSS

n CSS-*/

Inline CSS





HTML

Structure

CSS
Styles

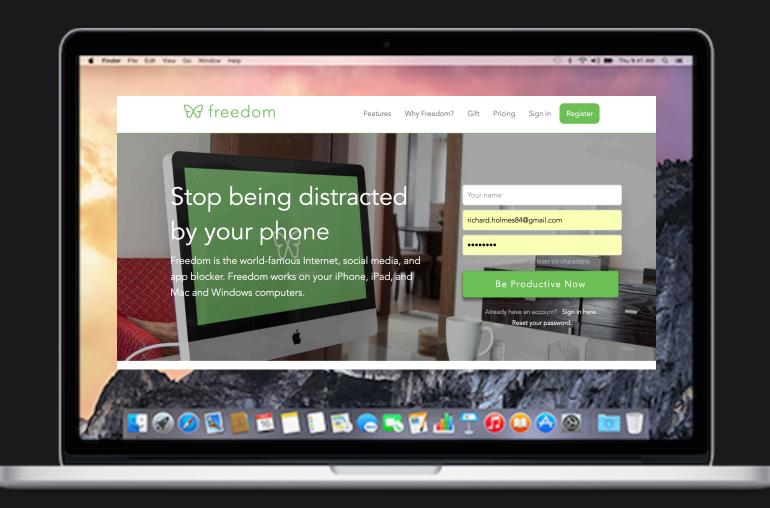


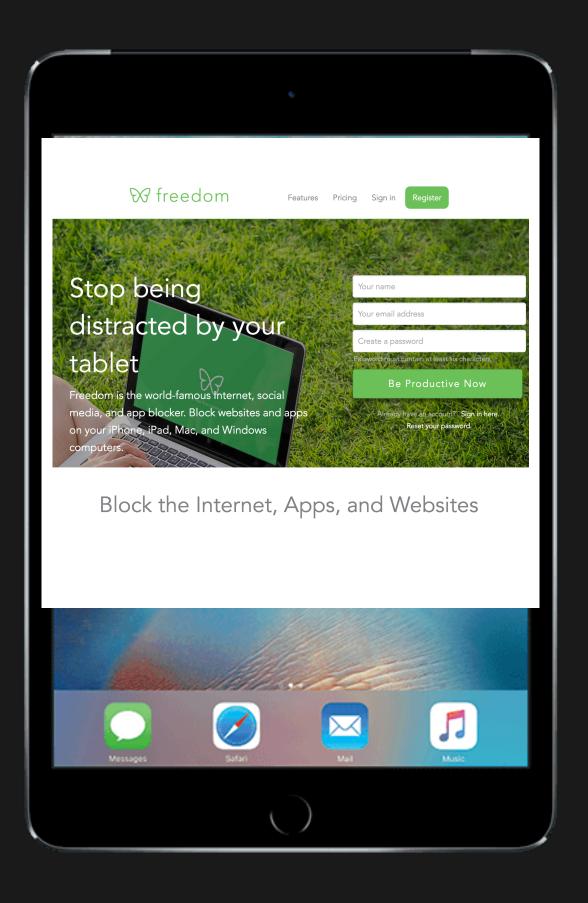
```
<h1 style="color:blue;margin-left:30px;">This is a heading</h1>
<h2>What does HTML do? </h2>
<h3>Structure - </h3>
HTML enables you to describe the structure of a document so it can be interpreted and displayed correctly by the browser and styled CSS.
It tells the browser what the page consists of. It tells the browser 'this is an image, this is a table, this is a paragraph and so on'.
These are known as elements.
<l
<\i>Elements - the 'things' on a page are known as elements. </\li>
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Example - tools like WordPress have a 'Visual' editor or a 'Text' editor - https://www.evernote.com/l/AHVsuBQpKP1Hu6lo5x0uErrXWxkr1mFbq-w
<a href="http://www.link.com">Click</a>
<img src="http://www.link.com/img.jpg" alt ="description of the image" >
```



CSS & mobile





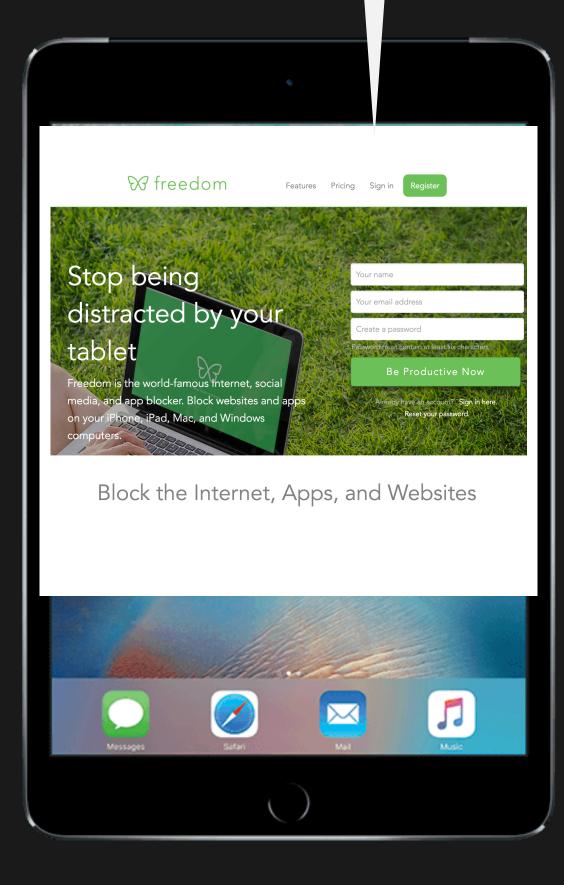




Desktop Tablet Mobile



Remove navigation elements



Tablet

If device is tablet, apply styles 2

Use navigation hamburger



Mobile

If device is phone, apply styles 3



W freedom

Stop being distracted

your phone

If device is desktop, apply styles 1

Examples of media queries

```
Stop being distracted by your phone

Feedom is the world-famous Internet, social media, and app blocker. Freedom works on your iPhone, iPad, and Mire and Windows computers.

Aleasy have an account? Signin here.

Root your password.
```

```
/* ----- iPad 3 and 4 ----- */
/* Portrait and Landscape */
@media only screen
 and (min-device-width: 768px)
 and (max-device-width: 1024px)
 and (-webkit-min-device-pixel-ratio: 2) {
/* Portrait */
@media only screen
 and (min-device-width: 768px)
 and (max-device-width: 1024px)
 and (orientation: portrait)
  and (-webkit-min-device-pixel-ratio: 2) {
/* Landscape */
@media only screen
 and (min-device-width: 768px)
 and (max-device-width: 1024px)
 and (orientation: landscape)
  and (-webkit-min-device-pixel-ratio: 2) {
```

```
/* ----- iPhone 6 ----- */
/* Portrait and Landscape */
@media only screen
 and (min-device-width: 375px)
 and (max-device-width: 667px)
 and (-webkit-min-device-pixel-ratio: 2) {
/* Portrait */
@media only screen
 and (min-device-width: 375px)
 and (max-device-width: 667px)
 and (-webkit-min-device-pixel-ratio: 2)
 and (orientation: portrait) {
/* Landscape */
@media only screen
 and (min-device-width: 375px)
 and (max-device-width: 667px)
 and (-webkit-min-device-pixel-ratio: 2)
 and (orientation: landscape) {
```

Desktop Tablet Mobile



A brief recap

- 1. CSS is a front end technology cascading style sheets
- 2. CSS is separated from HTML but works with it using stylesheets
- 3. CSS is responsible for styling and positioning