



Introducing CSS

Setup



SSID: MakeShop
Password: workshops



Open sublime Text



www.webdev.therobotfoundry.net

Course Overview

1. Presentation (HTML/CSS)
2. Interaction (Scripts/Databases)
3. Hosting

HTML



HyperText Markup Language

Structures a web document

CSS



Cascading Style Sheets

Gives style to the structure

Javascript

Versatile programming language



Objective

Add style to the structure from week 1.

Four Challenges:

1. Style “history.html”
2. Create a Navigation Bar
3. Single Page site
4. Multi-page site

CSS

- Cascading → Closest to the code wins
- Style → Not a programming language
- Sheet → Standalone .css file

example

Opening →

```
selector{
```

Style →

```
attribute : value;
```

Closing →

```
}
```

Example →

```
body{  
    background-color: gray;  
}
```

Selectors

Styling elements by their tag names

```
html{  
    property: value;  
}
```

Classes & IDs

Classes - Groups of similar components, begins with ‘.’

```
.myClass{  
    property: value;  
}
```

IDs - Used for individual elements, begins with ‘#’

```
#myId{  
    property: value;  
}
```

Adding Style

<style> tags

```
<head>

<style>
body{
  background-color: green;
  color: white
}
</style>
</head>
```

<link> tag

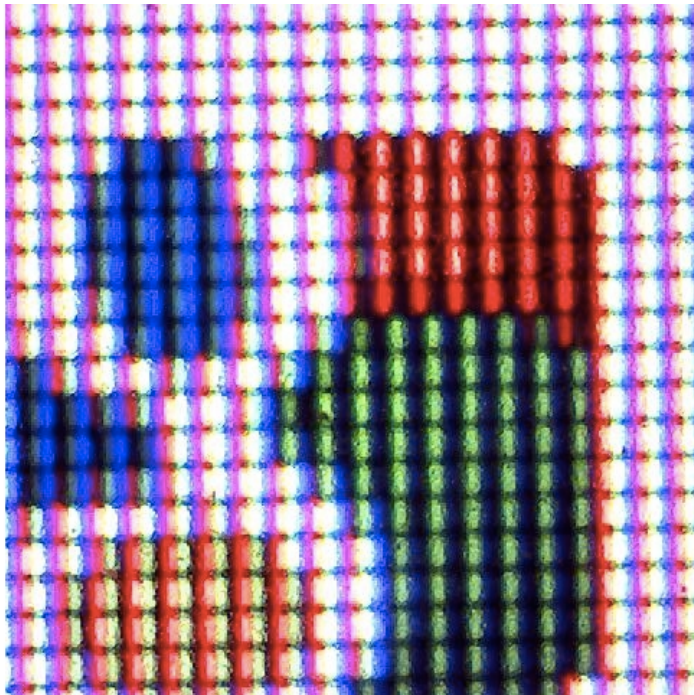
```
<head>

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

</head>
```

Colours

Hex and RGBa



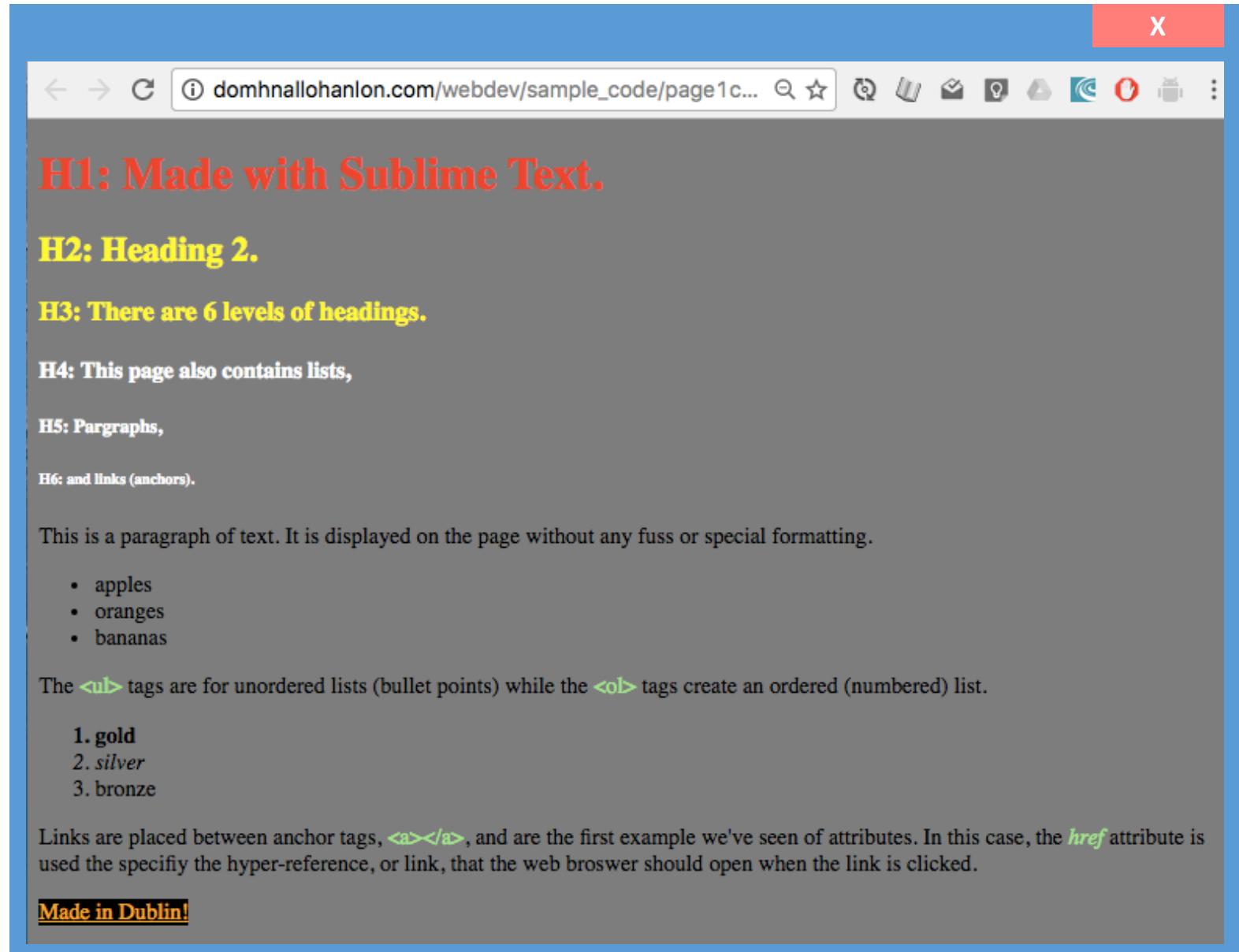
Backgrounds

```
body{  
  background-color: #fff;  
  background-image: url("../images/green_grad_tiny.png");  
  background-repeat: repeat-y;  
  background-attachment: top;  
  /*background-position: top right*/  
  /*background-size: cover;*/  
  /*background-size: contain;*/  
}
```

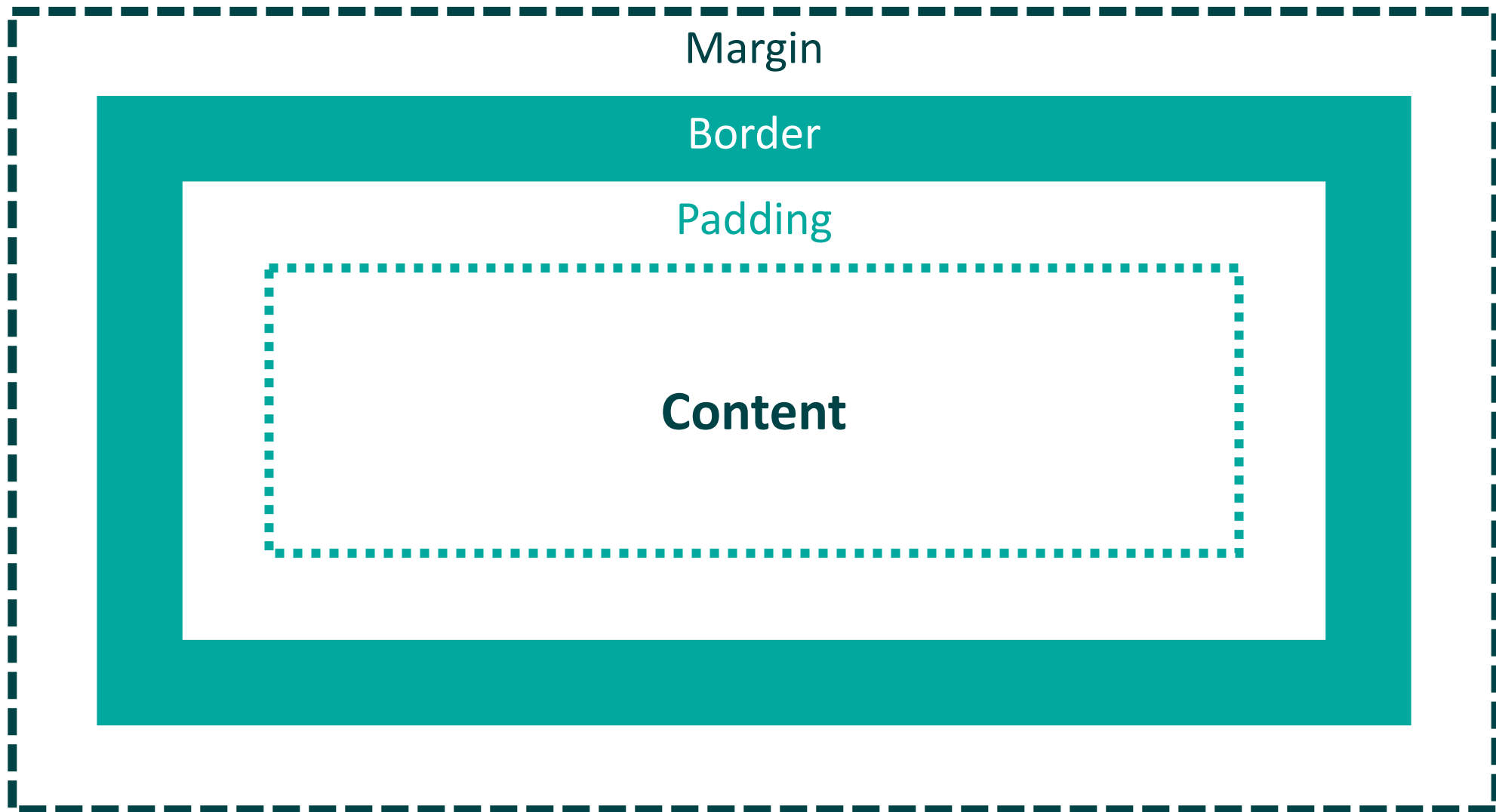
Challenge 1

Style your “history.html” document to change the colours of the background, headings, links, paragraphs and list items.

Add a background image.

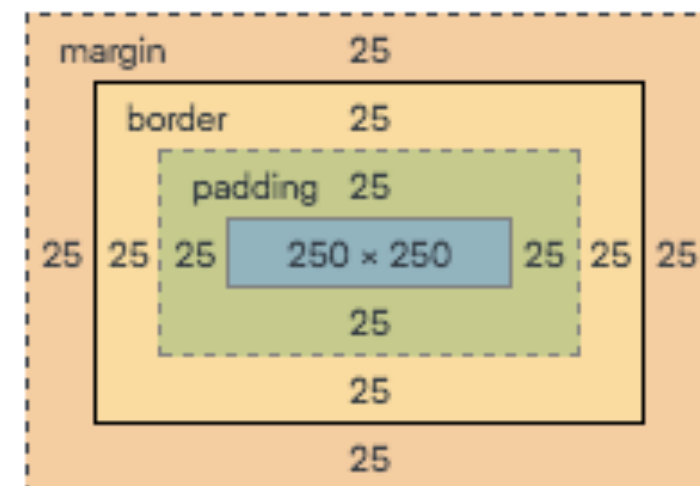


Box Model



Box Model

```
div{  
  width: 250px;  
  height: 250px;  
  border: 25px solid green;  
  padding: 25px;  
  margin: 25px;  
}
```



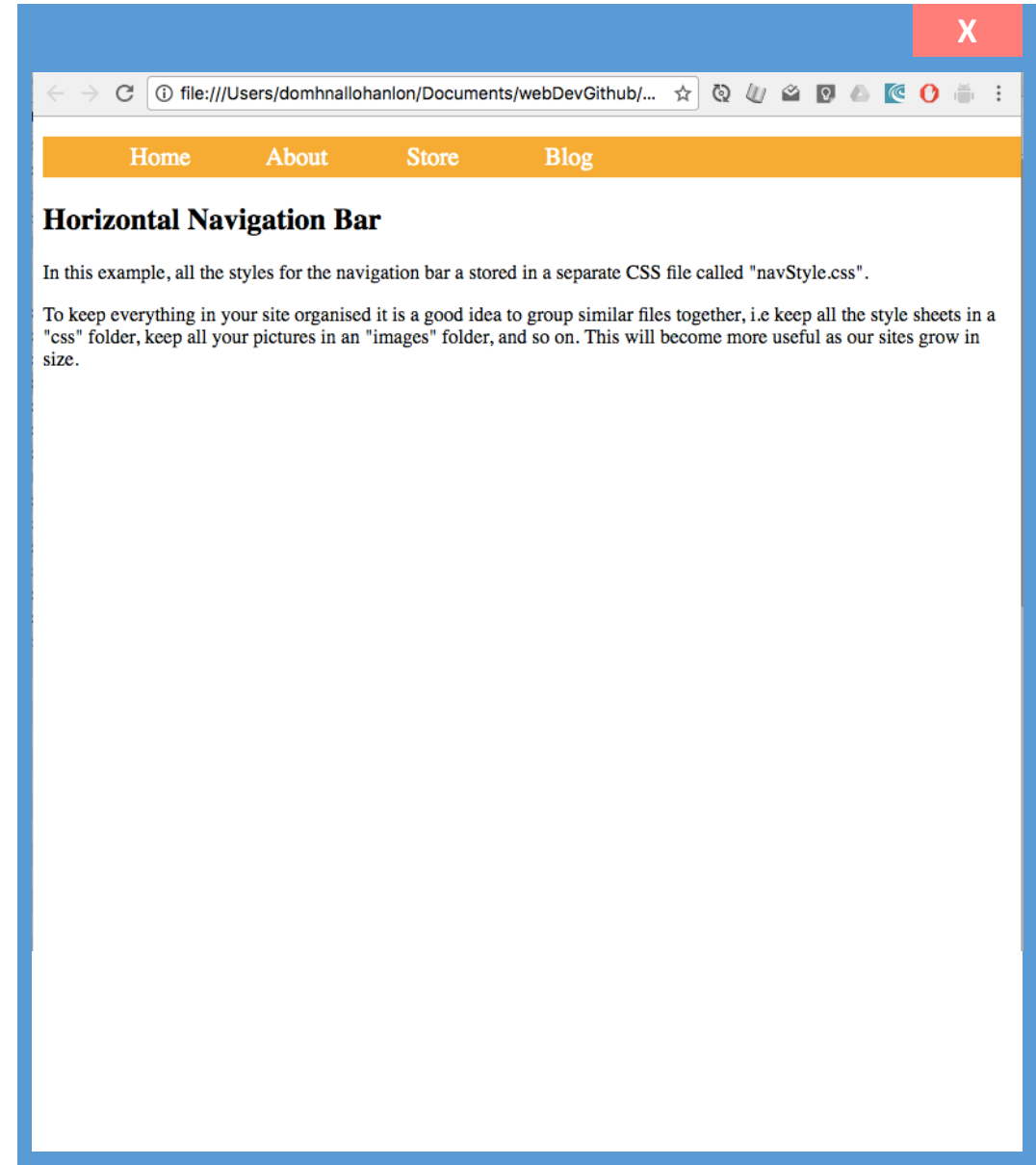
Positioning

```
div{  
  Position: relative  
  Display: block  
  Float: left  
}
```

Challenge 2

Create a CSS menu.

- Display
- Float
- Text-Decoration



Text Attributes

```
p{  
    text-align: center;  
    /*text-align: left;*/  
    /*text-align: right;*/  
    /*text-align: justify;*/  
  
    text-transform: uppercase;  
    /*text-transform: lowercase;*/  
    /*text-transform: capitalize;*/  
}
```

Text Attributes

```
p{
```

```
text-align: center;
```

```
text-transform: uppercase;
```

```
text-indent: 50px;
```

```
/*text-indent: 3em;*/
```

```
line-height: 1.2;
```

```
}
```

Font Attributes

```
p{  
    font-size: 20px;  
    font-weight: bold;  
    font-style: italic;  
    font-variant: small-caps;  
    font-family: 'Arial', sans-serif;  
}
```

Google Fonts

← → ↺

https://fonts.google.com

☆

Google Fonts

DIRECTORY FEATURED ABOUT

Viewing 809 of 809 font families

Roboto

Christian Robertson (12 styles)

All their equipment and instruments are alive.

Shrikhand

Jonny Pinhorn (1 style)

***A red flair
silhouetted the
jagged edge of a
wing.***

Try typing directly into the text fields. GOT IT

Open Sans

Steve Matteson (10 styles)

I watched the storm, so beautiful yet terrific.

Lato

Łukasz Dziedzic (10 styles)

Almost before we knew it, we had left

Slabo 27px

John Hudson (1 style)


A shining crescent far beneath the flying

Prociono

Barry Schwartz (1 style)

It was going to be a lonely trip back.

Font Awesome


 **Font Awesome**

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Blog

Font Awesome

THE ICONIC FONT AND CSS TOOLKIT


 **Download**

Version 4.7.0 · [GitHub Project](#) · [Old 3.2.1 Docs](#) · Created by [Dave Gandy](#)




Font Awesome 5
Dave Gandy


Font Awesome makes it easy to add vector icons and social logos to your website. And Pro gives 1,000+ more icons and SVG support!

 Cambridge, MA


1989%
funded

23
days to go


Subscribe to Font Awesome Updates 

 Star


46,231

 Fork

7,970

 Follow @fontawesome

27.2K followers

 Tweet

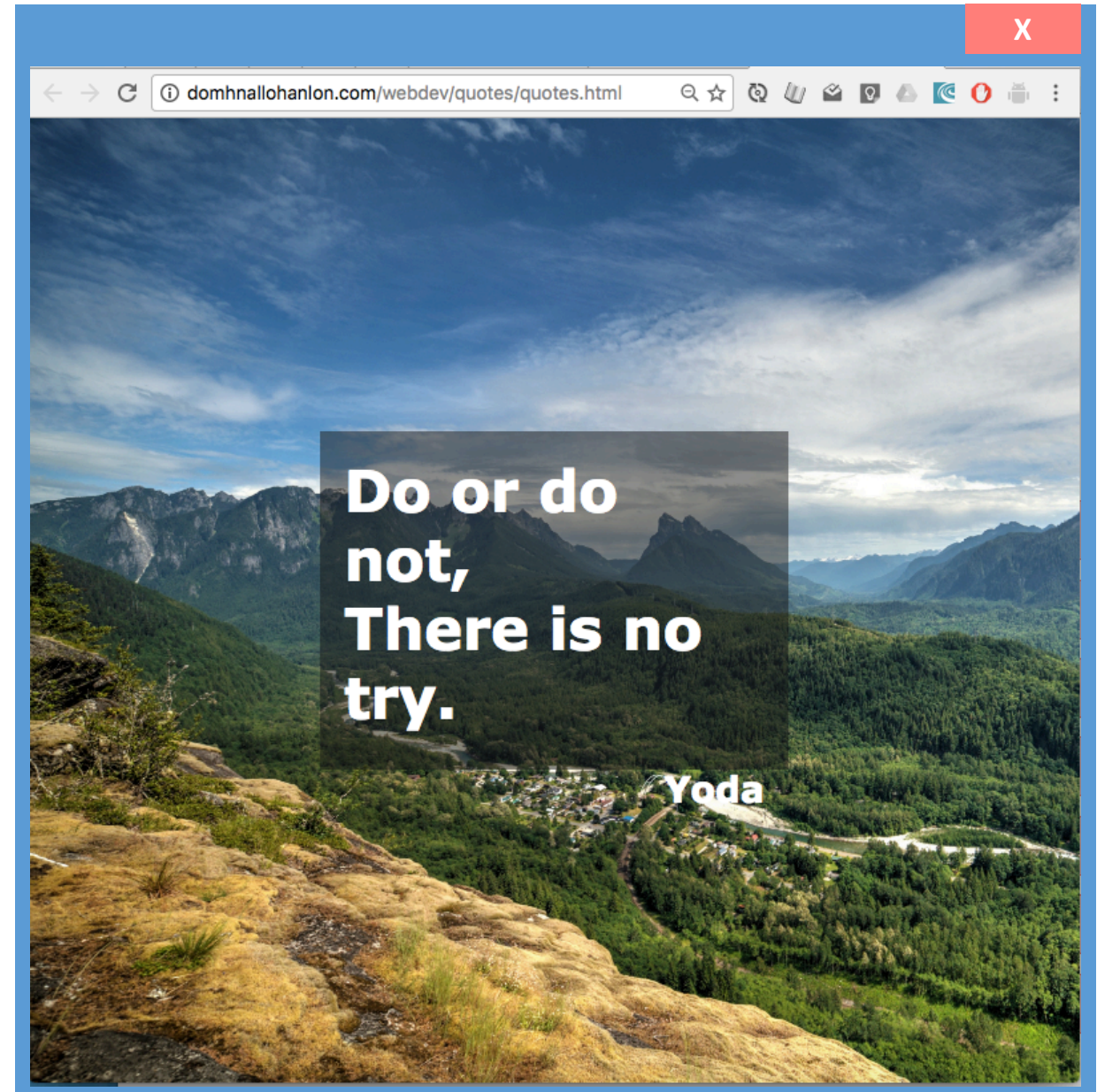
Font Awesome gives you scalable vector icons that can instantly be

All the tools your team

Challenge 3

Full screen, inspirational quotes.

Transparent DIVs



Pseudo Selectors

```
a{  
    background-color: black;  
    color: yellow;  
    text-decoration: none;  
    /*text-decoration: underline;*/  
    /*text-decoration: overline;*/  
    /*text-decoration: line-through;*/  
}
```

```
a:hover{  
    background-color: yellow;  
    color: black;  
    /*text-decoration: none;*/  
    text-decoration: underline;  
    /*text-decoration: overline;*/  
    /*text-decoration: line-through;*/  
}
```

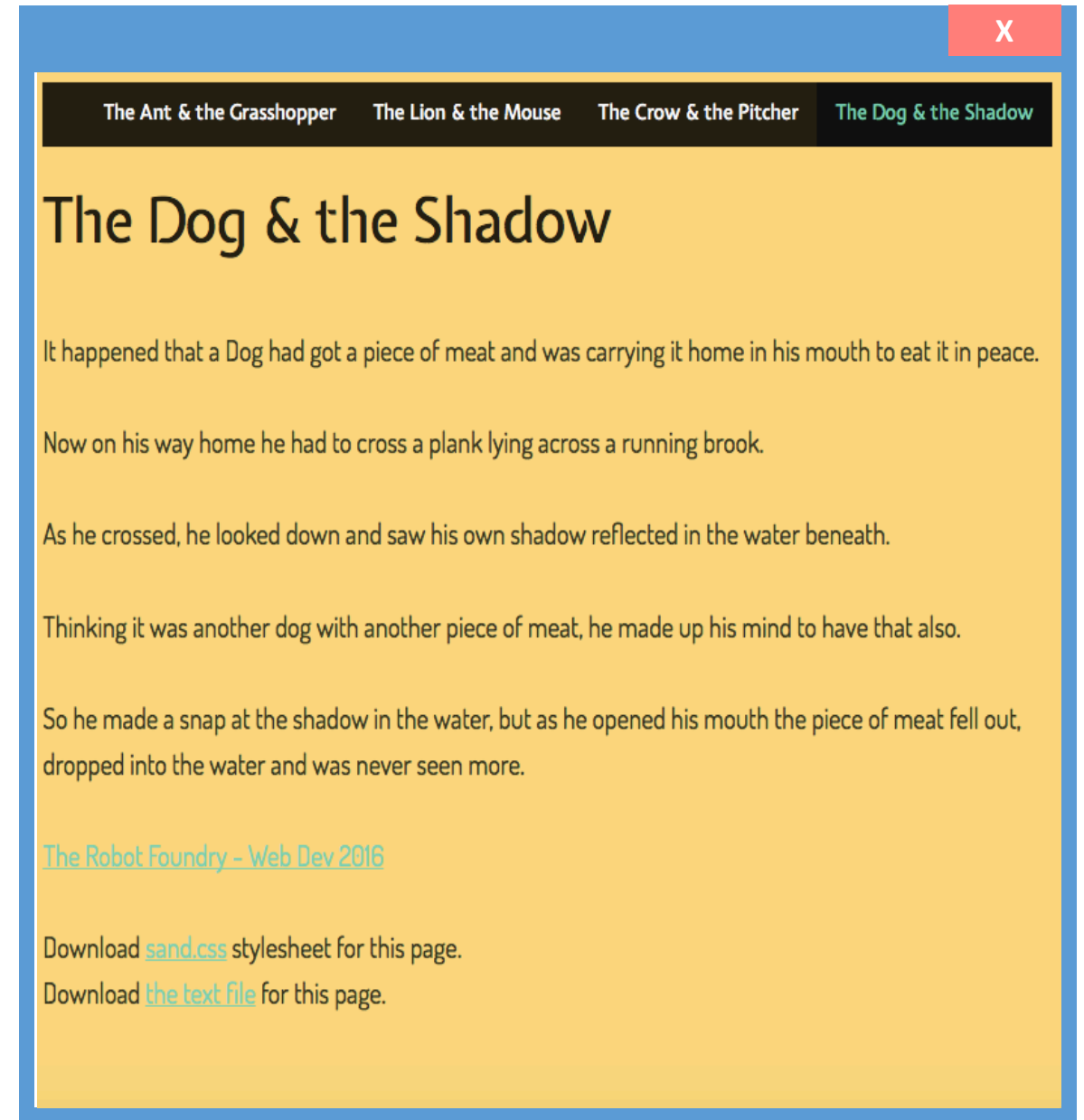
Sizing

Pixels

EMs

Challenge 4

Fully styled site.
Navigation Bar.
Web Fonts.

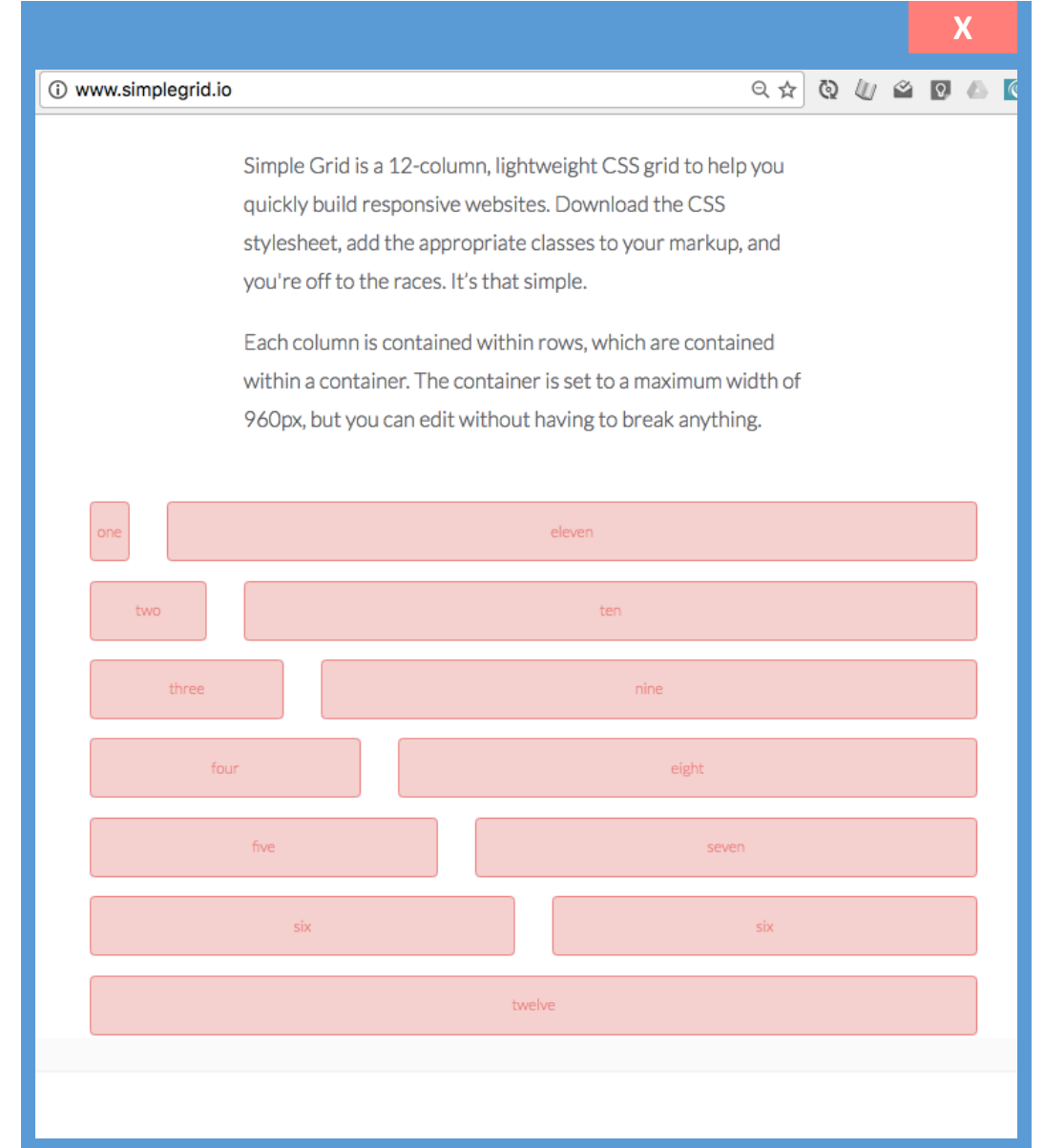


Grid Systems

Bootstrap

960

SimpleGrid



Demos

