Gode. Hub

The first Hub for Developers
Ztoupis Konstantinos

HTML - CSS

Code.Learn Program:
React

What is the WWW?

- A distributed document delivery system
- Uses a client-server model
- Main presentation language is HTML

Client-Server Model

Two processes (possibly networked):

- The client
 - Sends requests to the server
 - Blocks until reply is received
- The server
 - Processes requests from clients
 - Never blocks
 - Can reply to several clients simultaneously



HTML Background

- Many "markup" languages in the past
- SGML: Standard Generalized Markup Language
 - HTML (Hypertext Markup Language) based on SGML
- XML (eXtensible Markup Language) "replaces" SGML
 - XHTML is replacing HTML

HTML

- <u>Hypertext Markup Language</u>
- Intended to be maximally portable
 - Logical markup
 - Graceful degradation of presentation

HTML Documents

- HTML documents are text documents
 - We use simple ASCII text files
 - Html file extensions: .html or .htm
- You can create html documents using:
 - Notepad in Windows and TextEdit (MAC OS X)
- You can also use HTML Editors

Markup Languages

- Markup:
 - Embedded codes in documents
 - Codes are called `tags`
 - Codes
 - Describe the structure documents
 - Include instructions for processing
- Markup language:
 - Computer language for describing syntax of tags
 - May be used with other tools to specify rendering



Logical Markup

- Describes parts of document
- Does not specify how to render
- Presentation is client's `decision`
- When client cannot present then there is graceful degradation

HTML

- is a fairly simple language made up of elements
- can be applied to pieces of text to give them different meaning in a document (Is it a paragraph? Is it a bulleted list? Is it part of a table?)
- structure a document into logical sections (Does it have a header? Three columns of content? A navigation menu?)
- embed content such as images and videos into a page

CSS

Cascading Stylesheets or CSS is the first technology you should start learning after HTML. While HTML is used to define the structure and semantics of your content, CSS is used to style it and lay it out. For example, you can use CSS to alter the font, color, size, and spacing of your content, split it into multiple columns, or add animations and other decorative features.

BOOTSTRAP

is an open source toolkit for developing with HTML, CSS, and JS. Quickly prototype your ideas or build your entire app with a responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

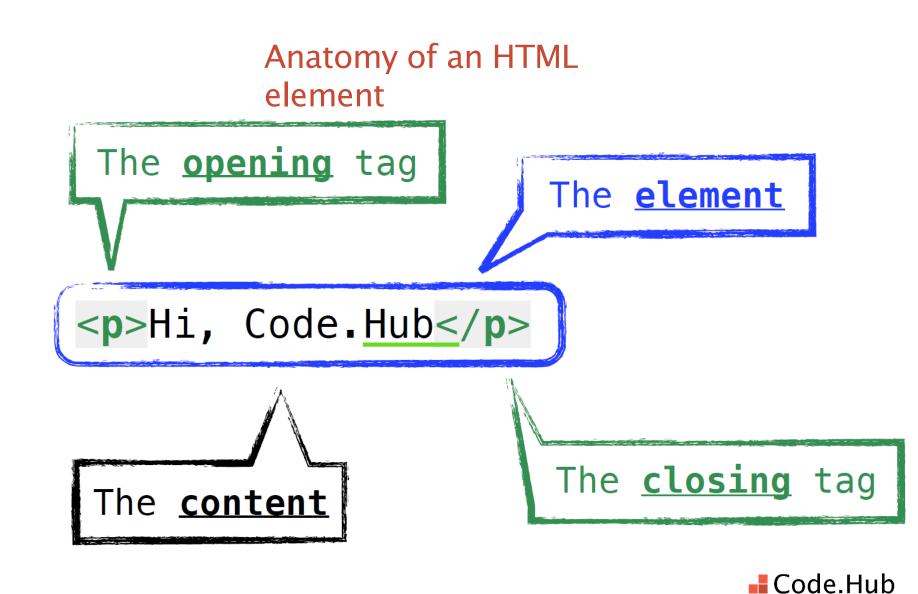
JAVASCRIPT

is a programming language that allows you to implement complex things on web pages. Every time a web page does more than just sit there and display static information for you to look at - displaying timely content updates, or interactive maps, or animated 2D/3D graphics, or scrolling video, and so on - you can bet that JavaScript is probably involved.



HTML element

The paragraph element



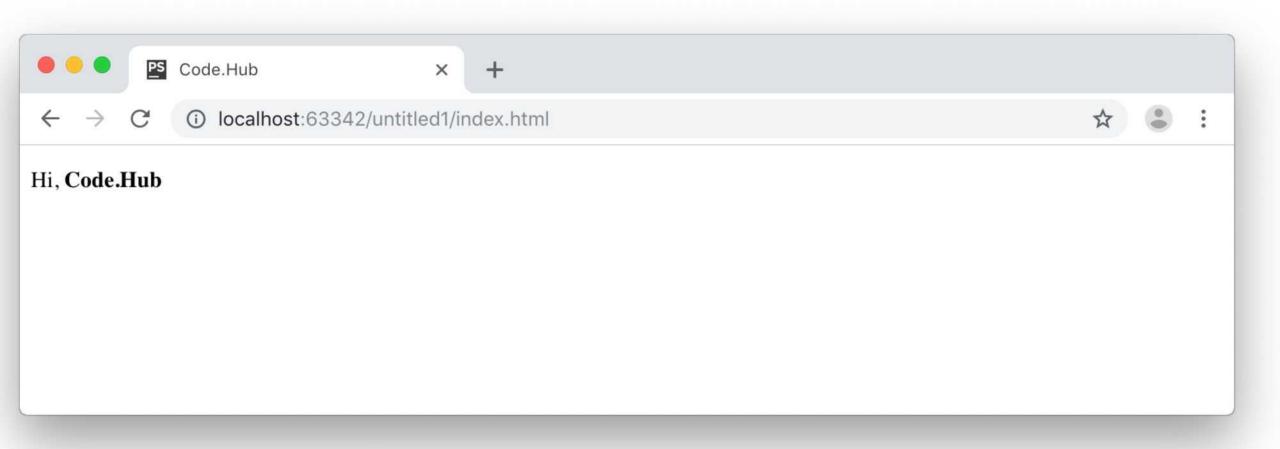
HTML nested elements

A nested HTML element

```
     Hi, <strong>Code.Hub</strong>
```



HTML Document



Common HTML Elements

```
<!-Comment->
<h1>Heading 1</h1> <h2>Heading 2</h2>
<h3>Heading 3</h3> <h4>Heading 4</h4>
<h5>Heading 5</h5> <h6>Heading 6</h6>
Paragraph
<a href="http://www.google.com"</pre>
 title="Title of the link">Click here</a>
<span>Plain inline text</span>
<strong>Bold</strong> or <b>Bold</b>
<i>Italics</i>
<em>Emphasis
<br>
<hr>>
```

Common HTML Elements

```
<div>
  <h6>Heading6</h6>
  Paragraph
</div>
<button>Click me!</button>
<iframe src="https://www.w3schools.com"></iframe>
<img src="profile.jpg" alt="John Doe" height="42" width="42">
<video width="320" height="240" controls>
     <source src="movie.mp4" type="video/mp4>
  <source src="movie.ogg" type="video/ogg">
    Your browser does not support the video
</video>
```

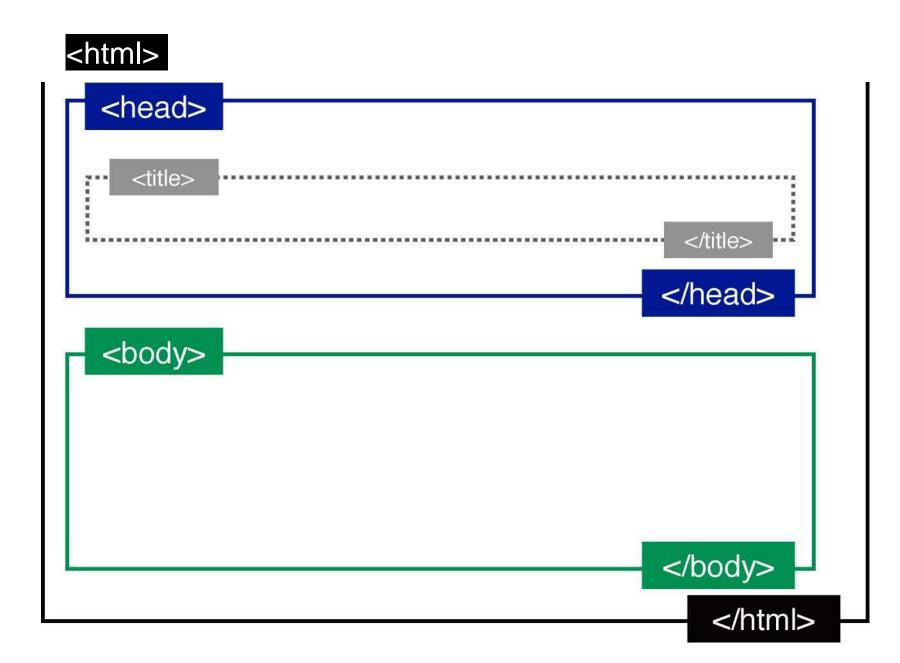
LISTS



HTML Basics

- 3 Parts HTML document
 - DOCTYPE
 - What DTD are you using
 - Head
 - Meta information
 - Only <title> is required
 - Body
 - Text to render

Contents of an HTML Document



HTML Basics

- Tags
 - Elements
 - Attributes
- Entities
 - <,>,&,''
 - Ö,ð,÷,©, etc.
 - See example at CS4173 website
- Comments

HTML Document

HTML
Document
(index.html)

```
<!DOCTYPE html>
  <html>
  <body>
    <!-this is a paragraph element ->
    Hi, Code.Hub
  </body>
</html>
```

HTML <!DOCTYPE> Declaration

<!DOCTYPE html>

- It's is not an HTML tag
- Indicates what version of HTML the page is written in it goes before the
 <html> tag
- The latest version is HTML5
- HTML elements/tags supported in HTML5 are listed here



<html>

```
<!DOCTYPE html>
<html lang="en">
</html>
```

- Tells the browser that it is an HTML document
- Represents the root element of the document
- The container for all other HTML elements



<head>

Provides general information (metadata) about the document, including its title and links to its scripts and style sheets

<head>

```
<!DOCTYPE html>
<html lang="en">
  <head>
   <meta charset="UTF-8">
   <title>Homepage</title>
   <link rel="stylesheet" type="text/css" href="./styles.css"/>
   <script src="./app.js"></script>
   </head>
</html>
```

Elements that can be used inside:
<title>, <base>, <link>, <style>, <meta>, <script>,
<noscript>

Links are self-closed tags



HTML <meta> tag (viewport)

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <link rel="stylesheet" href="./app.css">
</head>
<body>
    <!-this is a paragraph element-> Hi, Code.Hub
</body>
</html>
```

<body>

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Homepage</title>
</head>
<body>
</body>
</html>
```

Elements

- Block-level and in-line elements
 - TABLE, P, BLOCKQUOTE, DIV, etc.
 - CODE, Q, H1, SPAN, etc.
- Grouping Elements
 - DIV
 - SPAN
- One-part elements
 - BR, etc

Basic Tags

- Text display:
 - ,
- Structure:
 - <h1>, <h2>, <h3>
 - •
 - <blockquote>
- Attributes:
 - Align, text, bgcolor, etc.



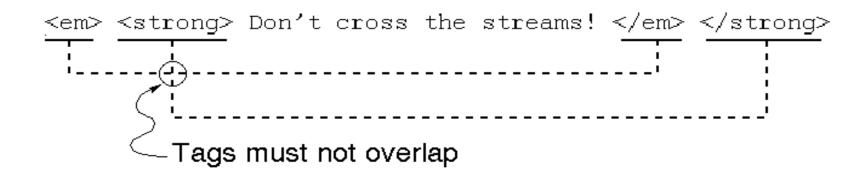
Text Formatting Tags

- Bold Face
- <i> /i></i>
- <u>> Underline</u>></u>
- New Paragraph
-
 Next Line

Tags

- Tags may be *nested*
- Tags may not overlap
- What happens when a browser doesn't recognize a tag?

Overlap versus Nesting



Links

- 'A' element
 - HREF
 - NAME
 - CLASS
 - REL
 - TYPE

- TITLE
- ID
- STYLE
- Anchor Text
- TABINDEX

HTML attributes

```
Hi, <strong>Code.Hub</strong>
 PS Code.Hub
     (i) localhost:63342/untitled1/index.html
Hi, Code.Hub
```



Global attributes

```
<section id="video">
     <h1 class="red">Video title</h1>
     <button title="Music video">Play</button>
</section>
```



data-* attributes

```
<section data-video-id="2459">
     <video src="./video.mp4"></video>
     <button title="Music video">Play</button>
</section>
```

- The data-* attributes gives us the ability to embed custom data attributes on all HTML elements.
- Usually, the stored (custom) data can be used in the page's JavaScript to create a more engaging user experience.
- The data-* attributes consist of two parts:
 - The attribute name should not contain any uppercase letters, and must be at least one character long after the prefix "data-"
 - The attribute value can be any string

Element specific attributes

```
<img src="image.jpg" width="500" height="600">
```

- All HTML elements can have attributes
- Attributes are always specified in the start tag
- Attributes usually come in name/value pairs like: name="value"



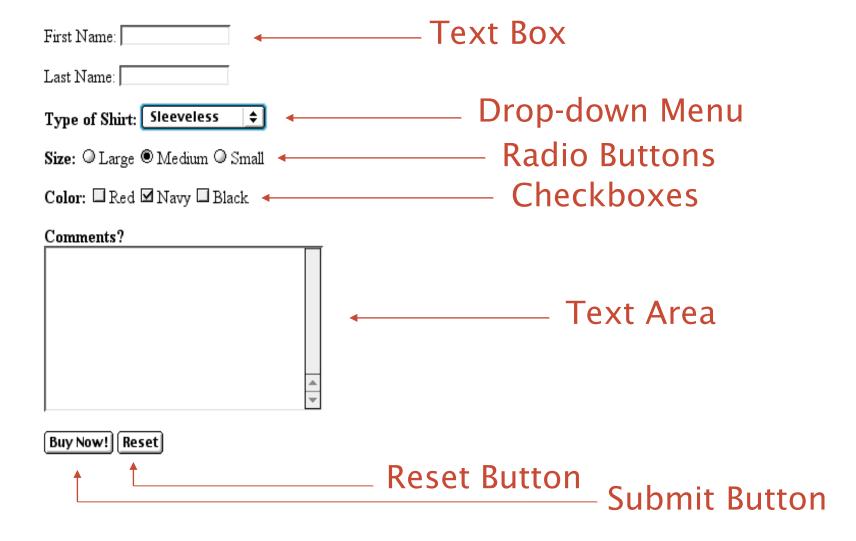
Forms

- What are forms?
 - An HTML form is an area of the document that allows users to enter information into fields
 - A form may be used to collect personal information, opinions in polls, user preferences and other kinds of information

Forms

- There are two basic components of a Web form: the shell, the part that the user fills out, and the script which processes the information
- HTML tags are used to create the form shell. Using HTML you can create text boxes, radio buttons, checkboxes, drop-down menus, and more...

Example: Form



The Form Shell

A form shell has three important parts:

- the <form> tag, which includes the address of the script which will process the form
- the form elements, like text boxes and radio buttons
- the submit button which triggers the script to send the entered information to the server



Forms

```
<form id="contact">
    <input type="text" name="firstname" value="">
     <input type="text" name="lastname" value="">
        <input type="submit" value="Submit">
        </form>
```

Simple form which will send a GET request to the server

Request URL: (.....)/index.html?firstname=John&lastname=Doe



HTTP Requests

HTTP is a protocol for transmitting hypermedia documents, such as HTML. It was designed for communication between web browsers and web servers, but it can also be used for other purposes.

A client (e.g. browser) opens a connection to make a request, then waiting until it receives a response.

HTTP Requests

Common HTTP Methods:

- GET is used to send data to a server
- POST is used to create/update a resource
- PATCH is used to partially update a resource
- PUT is used to update a resource
- DELETE is used to delete a resource

Forms

```
<form id="contact" action="/submit" method="get" >
    <input type="text" name="firstname" value="">
     <input type="text" name="lastname" value="">
     <input type="submit" value="Submit">
    </form>
```

Simple form which will send a GET request

Request URL: (.....)/submit?firstname=John&lastname=Doe



Tables

```
Company
                    Company
   Contact
                    Alfreds Futterkiste
   Country
                    Centro comercial Moctezuma
 Alfreds Futterkiste
   Maria Anders
   Germany
 Centro comercial Moctezuma
   Francisco Chang
   Mexico
```

```
CompanyContactCountryAlfreds FutterkisteMaria AndersGermanyCentro comercial MoctezumaFrancisco ChangMexico
```

Layout semantic elements

```
<section>
<div></div>
</section>
```

```
<aside>
<div></div>
</aside>
```

```
<main>
<article></article>
</main>
```

Media/Objects

```
<img src="./image.jpg" alt="An image title">
<video src="./video.mp4"></video>
<iframe src="https://www.w3schools.com"></iframe>
```

Comments

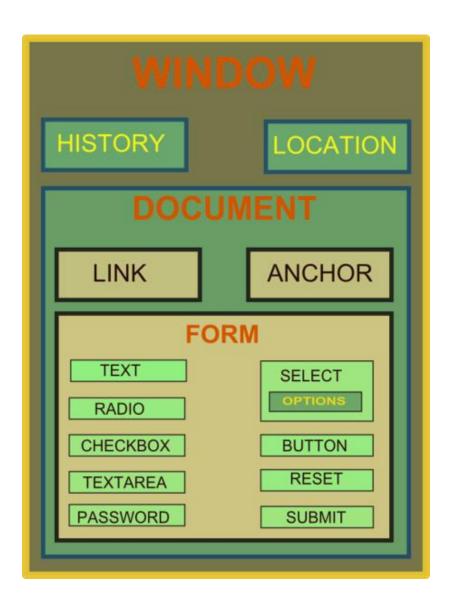
- Browser will NOT display text in between
 <!-- This is a comment -->

 - <!-- This is another
 - comment
- I. E. uses the following tag as a comment:<comment> this a comment </comment>

Document Object Model (DOM)

- An model for describing HTML documents (and XML documents)
 - A standard (ok, standards)
 - Independent of browser, language
 - A common set of properties/methods to access everything in a web document
- APIs in JavaScript, for Java, etc.

DOM



What are Cascading Style Sheets?

- Stands for Cascading Style Sheets
- Defines the visual style and appearance of our web pages
- Describes how HTML elements are to be displayed on screen, paper, or in other media
- Saves a lot of work. It can control the layout of multiple web pages all at once
- Uses selectors, properties and values to achieve its purpose

HISTORY OF CSS

- HTML was NEVER intended to contain tags for formatting a web page! It was created to **describe the content** of a web page.
- When tags like , and color attributes were added to the HTML 3.2, it started a *nightmare* for web developers. Development of large websites, where fonts and color information were added to every single page, became a long and expensive process.
- CSS removed the style formatting from the HTML page!
- The style definitions are normally saved in external .css files: you can change the look of an entire website by changing just one file!

What are Cascading Style Sheets?

 Why the term "cascading"? In CSS, multiple styles can be applied to a
particular document (usually a web page or XML file). The browser will • Style rules set up site-wide are overridden by styles located within

individual pages

- Style rules located within individual pages are overridden by styles inside an individual tag
- In addition, the end user can set up styles in the browser that will override the author's styles

What are Cascading Style Sheets?

All matching rules for a particular selector will be applied, except where they conflict with each other. If rules are in conflict, the last rule to be declared is applied.

Why learn CSS?

- Control
- Customization
- Do something unique
- You want to understand why something in your web site doesn't look right in browser, and fix it

Pros and Cons of Using CSS

- Pros
 - Greater designer control of the appearance of the page
 - Easier management of site-wide changes
 - Greater accessibility to web sites by non-graphical browsers and web-page-reading software
- Cons
 - Different browsers may interpret Style Sheets in different ways
 - Some styles may not be seen at all on some browsers

How to use CSS

- Connecting CSS to HTML
- Linked stylesheets
- Embedded stylesheets
- Inline style declarations

Linked Stylesheets

```
<link rel="stylesheet" type="text/css" href="mystyle.css">
```

- The preferred way. An external .css file contains your CSS code, and can be referenced by multiple HTML documents. Maximizes reusability
- HTML document can reference multiple .css files, and take on styling from each of them
- link> goes in the <head> element



Embedded Stylesheets

```
<style><!--
/*your CSS here */
-->
<style>
```

- Not very reusable, since the CSS rules can only be utilized by the HTML document it is embedded within.
- Useful in the event that you need to make sure the HTML file stays with its CSS markup.
- Devious "css injection" possibilities... (don't allow <style> tag in web forums, or users will do bad things to your site.)
- <style> is w3c-valid only in <head> but most browsers will accept it in <body>
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Inline style attribute

```
style="declaration1; declaration2; "
```

- Nearly any HTML element can take a style attribute
- Inline styles are more specific; that is, they will override rules declared in external or embedded stylesheets.
- Inline styles are good for ad hoc or temporary solutions, but at the expense of the re-usability of the HTML/content. They're fine for posting comments to discussion boards.



CSS document

```
/* styles.css */
body {
  background: white;
  color: blue;
}
```

Anatomy of a CSS ruleset

```
Selector
         color: red;
           Property
                      Property value
                Declaration
```

Why take a class?

- Advanced CSS can be pretty hard
- Complex CSS can be hard to work with
- Dealing with browser inconsistencies can be a pain
- Keeping up to date with CSS as it develops takes effort as well as patience

Selector Strings

Single element type:

```
p {
  font-size: smaller;
  letter-spacing: 1em;
}
```

All element types:

```
* { font-weight: bold; }
```

• Single element type:

```
p, span, a {
  color: red;
}
```

Specific elements by id:

```
#video-19 {
  background: blue;
}
```

Selector Strings

• Elements belonging to a style class:

```
#p4, .takeNote {font-style: italic;}
```

- Referencing a style class in HTML:

- Elements of a certain type and class:

```
#span.special {font-style: x-large;}
```



Selector Strings

Source anchor elements:

```
a:link {color: black;}
a:visited {color: yellow;}
a:hover {color: green;}
a:active {color: red;}
```

Element types that are descendents:

```
ul lo li {letter-spacing: 1em;}
```

Different types of selectors

```
p { color: blue; }
#video-19 { background: blue; }
.video-wrapper { background: blue; }
[data-video-player], [src] { background: blue; }
* { font-weight: bold; }
a:hover { color: purple; }
div:first-child { color: purple; }
div:nth-child(3) { color: purple; }
div:last-child { color: purple; }
```

- Element selector (sometimes called a tag or type selector)
- ID selector
- Class selector
- Attribute selector
- Pseudo-class selector

Combining selectors

```
All descendants */
form input[type=text] {
 background-color: yellow;
  Immediately following selector */
div + .video-player {
  background-color: yellow;
'* Direct descendants, children */
#video-89 > .video-container {
 background-color: yellow;
```

CSS Specificity

```
Start at 0,
add 1000 for style attribute,
add 100 for each ID,
add 10 for each attribute, class or pseudo-class,
add 1 for each element name or pseudo-element. */
h1 {
 color: blue;
#title h1 {
  color: red;
  <div id="title">
    <h1 style="color: green">Heading</h1>
  </div>
```

CSS Rule Cascade

Specificity of selector: more specific selectors will override more general ones. Pseudo-elements and pseudo-classes are counted as normal elements and classes, respectively.



CSS Rule Cascade

```
Specificity:
1.style attribute
```

- 2.rule with selector: 1.ID
 - 2.class/pseudo-class
 - 3.descendant/element type
 - 4.Universal
- 3.HTML attribute



CSS Inheritance

- What if no style declaration applies to a property of an element?
- Generally, the property value is inherited from the nearest ancestor element that has a value for the property
- If no ancestor has a value (or the property does not inherit) then
 CSS defines an initial value that is used

CSS Inheritance

```
body {font-weight: bold;}
li {font-style: italic;}
p {font-size: larger;}
span {font-weight: normal;}
```

```
Inherit.html - Mozilla

• List item outside and inside a span.

Embedded paragraph outside and inside a span.
```

```
<body>
 <l
   <
     List item outside and <span>inside</span> a span.
     >
       Embedded paragraph outside and <span>inside</span> a span
     <
 </body>
```

Fonts and text

Font

```
html {
   font-size: 10px;
   font-family: "Open Sans", sans-serif;
   line-height: 1.4;
   font-style: italic;
   font-weight: bold;
}
```

CSS Text properties

```
p {
    color: blue;
    text-align: center;
    text-decoration: underline;
    text-transform: uppercase;
}
```

CSS Text Formatting

TABLE 3.6: Primary CSS text properties.

Property	Values							
text-decoration	none (initial value), underline, overline, line-through,							
	or space-separated list of values other than none.							
letter-spacing	normal (initial value) or a length representing additional							
	space to be included between adjacent letters in words.							
	Negative value indicates space to be removed.							
word-spacing	normal (initial value) or a length representing additional							
	space to be included between adjacent words. Negative							
	value indicates space to be removed.							
text-transform	none (initial value), capitalize (capitalizes first letter of							
	each word), uppercase (converts all text to uppercase),							
	lowercase (converts all text to lowercase).							
text-indent	length (initial value 0) or percentage of box width, possi-							
	bly negative. Specify for block elements and table cells to							
	indent text within first line box.							
text-align	<pre>left (initial value for left-to-right contexts), right,</pre>							
	center, or justified. Specify for block elements and							
	table cells.							
white-space	normal (initial value), pre. Use to indicate whether or not							
	white space should be retained.							
	•							

CSS Text Color

TABLE 3.7: Alternative formats for specifying numeric color values.

Format	Example	Meaning		
Functional, integer argu-	rgb(255,170,0)	Use arguments as RGB		
ments		values.		
Functional, percentage	rgb(100%,66.7%,0%)	Multiply arguments by		
arguments		255 and round to obtain		
		RGB values (at most one		
		decimal place allowed in		
		arguments).		
Hexadecimal	#ffaa00	The first pair of hexadec-		
		imal digits represents the		
		red intensity, second and		
		third represent green and		
		blue, respectively.		
Abbreviated hexadeci-	#fa0	Duplicate the first hex-		
mal		adecimal digit to obtain		
		red intensity, duplicate		
		second and third to ob-		
		tain green and blue, re-		
		spectively.		

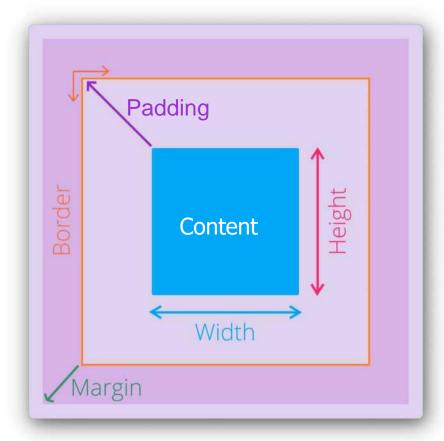
CSS distance units

Absolute	
2px	pixels
1 mm	millimeters
2cm	centimeters
0.2in	inches
3pt	printer point 1/72 inch

Relative	
2em	2 times the element's current font size
3rem	3 times the root element's current font size



Structure of CSS Box Model



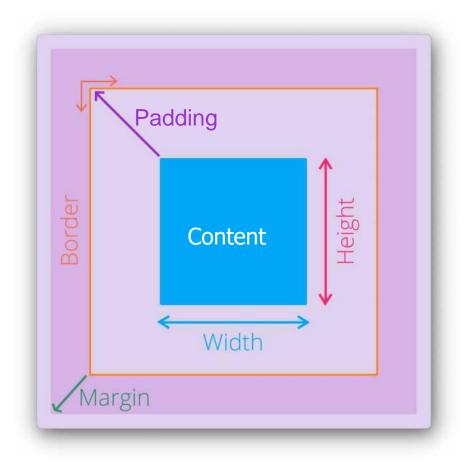
Every piece of content on a web page, or in other words, every HTML element is formed by a rectangle. Each of these rectangles has 5 main aspects that it's built around

Size Properties

width: Override element defaults height padding-top padding-right padding-bottom padding-left margin-top margin-right margin-bottom margin-left

border-bottom-color border-bottom-style border-bottom-width border-left-color border-left-style border-left-width border-right-color border-right-style border-right-width

Inline vs block level elements



For inline elements, width and height gets ignored

CSS Background properties

```
background: white;
background: rgb(255, 255, 255);
background: #FFFFFF;
background: black url("./image.png") no-repeat center-right;
background-image: url("./image.png");
background-position: center right;
background-size: cover;
background-color: red;
```

CSS Border properties

```
border: 1px solid #0D3349;
border-width: 1px;
border-style: solid;
border-color: #0D3349;
border-top: none;
border-left: none;
border-width: 0 4px 5px 1px;
border-radius: 30px;
```

CSS Width/Height properties

```
width: 100px;
width: auto;
width: 80%;
width: 100 \text{vm}; /* Relative to 1% of the width of the viewport */
width: 100vmin; /* Relative to 1% of viewport's smaller dimension (width
or height) */
width: 100vmax; /* Relative to 1% of viewport's <u>larger</u> dimension (width
or height) */
height: 100px;
height: auto;
height: 80%;
height: 100vh; /* Relative to 1% of the height of the viewport */
```

Position property

Position property	
position: static;	(default) - Position in document flow
position: relative;	Position relative to default position via top, right, bottom, and left properties
position: fixed;	Position to a fixed location on the screen via top, right, bottom, and left properties
position: absolute;	Position relative to ancestor absolute element via top, right, bottom, and left properties

Fixed position (0,0) is top left corner



Element visibility control properties

Element visibility control properties						
display: none;	Element is not displayed and takes no space in layout					
display: inline;	Element is treated as an inline element					
display: block;	Element is treated as a block element					
display: flex;	Element is treated as a flex container					
display: grid;	Element is treated as a grid container					

visibility: hidden;	Element is hidden but space still allocated
visibility: visible;	Element is normally displayed



CSS Alignment Cases

```
div {
    width: 100px;
    height: 200px;
    margin: 0 auto;
div {
  width: 100px;
  height: 200px;
  float: right;
```

CSS Alignment Cases

```
width: 100px;
  height 200px;
  float: left;
div {
  display: inline-block;
  vertical-align: middle;
```

Flexbox and Grid layout

- display: flex; (Flexbox)
- display: grid; (Grid) new layout methods
 - Items flex to fill additional space and shrink to fit into smaller spaces
 - Useful for web app layout:
 - Divide up the available space equally among a bunch of elements
 - Align of different sizes easily
 - Key to handling different window and display sizes

Flexbox and Grid layout

- Flexbox Layout one dimension (row or column) of elements
- Grid Layout in two dimensions (rows and columns) of elements



How to use Bootstrap? (CDN)

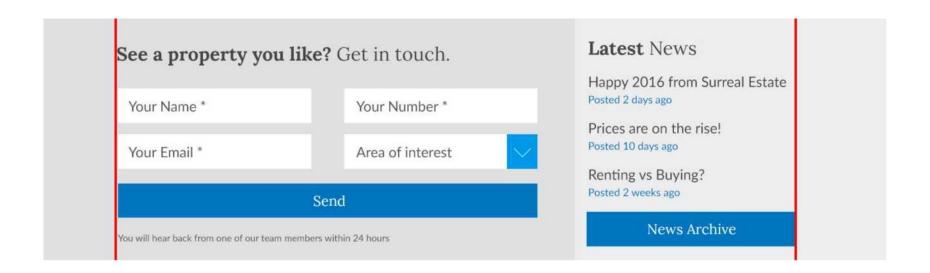
```
<head>
   <!--CDN-->
   <link rel="stylesheet" href="https://</pre>
maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/
bootstrap.min.css">
</head>
<body>
  <script
    src="https://maxcdn.bootstrapcdn.com/bootstrap/
4.3.1/js/bootstrap.min.js"></sc ript>
```

How to use Bootstrap? (locally)

```
<head>
     <!-locally->
        <link href="./css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
     <script src="./js/bootstrap.min.js"></script> </body>
```

Container

Bootstrap requires a containing element to wrap site contents and house our grid system





Container

Bootstrap requires a containing element to wrap site contents and house our grid system

```
<div class="container">...</div>
<div class="container-fluid">...</div>
```



Grid System

Bootstrap includes a responsive, mobile first fluid grid system that appropriately scales up to 12 columns.

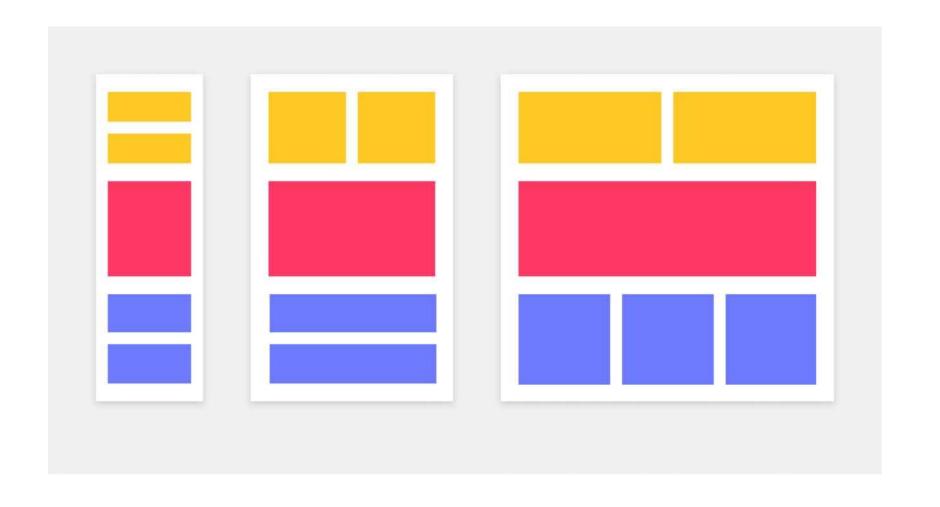
.col- md-1	.col- md-1	.col- md-1	.col- md-1	.col- md-1	.col- md-1	.col- md-1	.col- md-1	.col- md-1	.col- md-1	.col- md-1	.col- md-1
.col-md-8								.col-md-4			
.col-md-4 .col-md-4					.col-md-4						
.col-md-6						.col-md-6	}				



Grid System

- Bootstrap includes a responsive, mobile first fluid grid system that appropriately scales up to 12 columns
- Use rows to create horizontal groups of columns
- Grid columns are created by specifying the number of twelve available columns
 you wish to span
 ■Code.Hub

Responsive Grid System



Grid System - Viewports

```
<div class="container">
   <div class="row">
      <div class="col-12 col-sm-6 col-md-8"> Mobile
         12 columns,
         Tablet 6 columns,
         Desktop 8 columns,
      </div>
   </div>
</div>
```

User appropriate column prefix to change the column size for specific viewports (Mobile, Tablet, Desktop)

Grid System - Class prefix

	Extra small <576px	Small >576px	Medium >768px	Large >992px	Extra large >1200px	
Max container width	None (auto)	None (auto) 540px		960px	1140px	
Class prefix	. col-	.col-sm-	.col-md-	.col-lg-	.col-xl-	



Auto-layout columns

```
<div class="row">
     <div class="col-12 col-sm">
        1 of 2
     </div>
     <div class="col-12 col-sm">
        2 of 2
     </div>
</div>
```

```
<div class="row">
  <div class="col">
     1 of 3
  </div>
  <div class="col">
    2 of 3
  </div>
  <div class="col">
    3 of 3
 </div>
</div>
```

```
1 of 2 2 of 2 1 of 3 2 of 3 3 of 3
```

Nesting columns

```
<div class="container">
   <div class="row">
      <div class="col-12 col-sm-6 col-md-8">
          <div class="row">
             <div class="col-12 col-sm-6 col-md-8">
             </div>
          </div>
     </div>
   </div>
</div>
```

Text format

```
Left aligned text.
Center aligned text.
 class="text-right">Right aligned text.
 class="text-justify">Justified text.
 class="text-nowrap">No wrap text.
 class="text-lowercase">Lowercased text.
 class="text-uppercase">Uppercased text.
Capitalized text.
```



Text color styles

Muted: This text is grayed out.

Primary: Please read the instructions carefully before

proceeding.

Success: Your message has been sent successfully.

Info: You must agree with the terms and conditions to complete

the sign up process.

Warning: There was a problem with your network connection.

Danger: An error has been occurred while submitting your data.

Text color styles

```
...
...
...
...
...
...
```

Buttons





Buttons styles

```
<!- Standard button ->
<button type="button" class="btn btn-default">Default</button>
<!- Provides extra visual weight and identifies the primary action in a
set of buttons ->
<button type="button" class="btn btn-primary btn-lg">Primary</button>
<!- Indicates a successful or positive action ->
<button type="button" class="btn btn-success">Success</button>
```

Buttons styles

```
<!- Contextual button for informational alert messages ->
<button type="button" class="btn btn-info">Info</button>
<!- Indicates caution should be taken with this action ->
<button type="button" class="btn btn-warning">Warning</button>
<!- Indicates a dangerous or potentially negative action ->
<button type="button" class="btn btn-danger">Danger</button>
<!- Deemphasize a button by making it look like a link while maintaining
button behavior ->
<button type="button" class="btn btn-link">Link</button>
```

Buttons sizes

```
>
 <button class="btn btn-primary btn-lg">Large button</button>
 <button class="btn btn-default btn-lg">Large button</button>
>
 <button class="btn btn-primary">Default button</button>
 <button class="btn btn-default">Default button</button>
>
 <button class="btn btn-primary btn-sm">Small button</button>
 <button class="btn btn-default btn-sm">Small button</button>
>
 <button class="btn btn-primary btn-xs">Extra small button</button>
 <button class="btn btn-default btn-xs">Extra small button/button>
```

Forms

```
<form action="./sign-in">
 <div class="form-group">
   <label for="exampleInputEmail1">Email address</label>
   <input type="email" class="form-control" id="exampleInputEmail1"</pre>
  placeholder="Email">
 </div>
 <div class="form-group">
   <label for="exampleInputPassword1">Password</label>
   <input type="password" class="form-control"</pre>
 id="exampleInputPassword1" placeholder="password">
 </div>
 <button type="submit" class="btn btn-primary btn-lg">Submit</button>
</form>
```