

# [ACTIVE]

# FreeCodeCamp

idk man just taking the stuff and puttin it here

- [Building a cat photo app: Responsive web design](#)
- [Learn Basic CSS by Building a Cafe Menu](#)
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# Building a cat photo app: Responsive web design

## CatPhotoApp

### Cat Photos

See more cat photos in our gallery.  
A cute orange cat lying on its back.

### Cat Lists

#### Things cats love:

- cat nip
- laser pointers
- lasagna  
A slice of lasagna on a plate.

Cats *love* lasagna.

#### Top 3 things cats hate:

1. flea treatment
2. thunder
3. other cats  
Five cats looking around a field.

Cats **hate** other cats.

# Cat Form

Is your cat an indoor or outdoor cat?

☒ Indoor ☐ Outdoor

What's your cat's personality?

☒ Loving ☐ Lazy ☐ Energetic

Submit

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# Learn Basic CSS by Building a Cafe Menu

## CAMPER CAFE

Est. 2020

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### Coffee

coffee icon

French Vanilla  
3.00

Caramel Macchiato  
3.75

Pumpkin Spice  
3.50

Hazelnut  
4.00

Mocha  
4.50

### Desserts

pie icon

Donut  
1.50

Cherry Pie  
2.75

Cheesecake

3.00

Cinnamon Roll

2.50

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123 Free Code Camp Drive

did you know you can use the style tag in the doc to not need a css file for  
bookstack?

Dark Mode

notes, (needs to be manually updated from time to time)

-Key:

- Red: Important Concepts to understand
- Pink: Important technical keywords
- Blue: Sections of notes
- Green: Examples and explanations

## HTML 5

### Elements and Syntax

#### Heading

- Syntax
  - `<h#>Content</h#>`
  - The lower header has the highest value ( $h1 > h2$ )
  - There can be multiple headers of the same value

Important: The implication of

## Paragraph

- - Syntax*
    - `<p>Content</p>`

## Commenting

- - Syntax*
    - `<!-- Content ?`

## Main

- - Syntax*
    - `<main>`  
Content  
`</main>`
    - Propose: Represents the main body of an HTML document, helps make it easier to read and helps with SEO (Search Engine Optimization)

Important: All content within main (Headings, Paragraphs, Comments, etc) should be nested (indented two spaces further to the right of the element they are nested in)

Ex: `<main>`  
    Content  
`</main>`

## Images

- - Syntax*
    - ``
    - Images utilize a self closing tag (A tag without a closing tag)

- The src (source) attribute specifies the images URL, aka where it is located
- The alt attribute displays text that improves user understanding and accessibility if the image fails to load

## Anchor

- *Syntax*
  - `<a href="(URL)" target="(Target)">(Text)</a>`
- An anchor element adds a link to another page
- The text is a message that will embody the link on the page of a website and will be placed between the opening and closing tags on an anchor element
- href (hypertext reference) is a hyperlink to another web address
- target specifies where to open the contents of the hyperlink (\_blank specifies the link should open in a new tab or window)

*Important:* You can utilize anchor within other elements

Ex: `<p>See more <a href="(URL)">photos</a> in our gallery.</p>`

*Explanation:* In the above example, the hyperlink is embedded into the word "photos" within the paragraph.

Ex: `<a href="example-link">  
   
</a>`

*Explanation:* In the above example, the image is wrapped in the anchor element, making it so the image embodies the hyperlink



## Section

- - Syntax*
    - `<section>`  
Content  
`</section>`
- The section element is used to define the sections in a document, such as chapters, headers, footers, or any other sections of the document (helps with SEO and accessibility)

## Ordered List/Unordered List

- - Syntax*
    - `<ul>`  
`<li>list contents</li>`  
`</ul>`
    - `<ol>`  
`<li>list contents</li>`  
`</ol>`
- ul specifies an unordered list while ol specifies an ordered list, li specifies elements within the list

## Figure/Fig Caption

- - Syntax*
    - `<figure>`  
``  
`<figcaption>Text</figcaption>`  
`</figure>`
- The figure element is used to specify self contained content

## Emphasis/Strong

- - Syntax*
    - `<em>Text</em>`

- `<strong>Text</strong>`
- The em puts emphasis on specific words or phrases with *italics*, strong specifies text that is **bold** font

## Form and the types of input

- *Syntax*
  - `<form action="/submit-url"></form>`
- The form element is a container for different types of input elements
- form goes hand in hand with input
  - *Syntax*
    - `<input type="(type)" name="(name)"  
placeholder="(PlaceholderText) required>`
  - Attributes of input:
    - type is what specifies the kind of input
      - Different input types:
        - button
        - checkbox
        - color
        - date
        - datetime-local

- email
- file
- hidden
- image
- month
- number
- password
- radio
- range
- reset
- search
- submit
- tel
- text
- time
- url
- week

checked makes it so an input option is selected by default

- name gives the input a name
  - Adding the same name to two different input types makes it so only one can be selected at a time
- placeholder puts placeholder text until text is put in the textbox
- id assigns a specific identification value to specific HTML elements
- value assigns a value to an input
  - The default value is (name)=on, thus it is good practice to make the value the same as the id
- required prevents the user from submitting anything without entering the required field
- The label element is used to associate the text of an input with the input itself
  - Ex:  
`<label><input type="radio"> Indoor</label>`
  - Explanation: The above example makes it so clicking on the word "Indoor" also selects the radio button as if the user clicked on the button as well
  - Wrapping just the text in a label using the for attribute is an alternative method
    - Ex:
      - `<input id="(id)" type="(type)"> <label for="(id)"> text</label>`

- There is also the button element
  - *Syntax*
    - `<button>Text</button>`
  - The button element gives the user a button to submit their input
  - button can use attributes like type as well
- The fieldset element is used to group related inputs and labels together in a web form
  - *Syntax*
    - `<fieldset>`  
`<label><input type="(type)">(text)</label>`  
`</fieldset>`
- The legend element acts as a caption for the content in the fieldset element
  - *Syntax*
    - `<fieldset>`  
`<legend>text</legend>`  
`<label><input type="(type)">(text)</label>`  
`</fieldset>`

## Footer

- *Syntax*
  - `<footer>`  
`Contents`  
`</footer>`

-

The footer element is used to define the footer of a document or section, typically contains info about the author, copyright data, links to terms of use, contact info, etc

## Head

- - Syntax*
    - ```
<head>  
  Contents  
</head>
```
- The head element contains metadata about the page (title, scripts, stylesheets)
- You can set browser behavior by adding self-closing meta elements in the head
  - - Ex:

```
<head>  
  <meta attribute="value">  
  <title>title</title>  
</head>
```
- Explanation: The above example is an instance of describing metadata within an HTML document
  - - Meta attributes in HTML:
      - charset
      - name
      - content

## HTML

- - Syntax*
    - ```
<html>  
  <head>
```

```
</head>
<body>
</body>
<footer>
</footer>
</html>
```

- The html element is the root element of an HTML page which the entire pages contents will be wrapped in

**IMPORTANT: All documents should begin with <!DOCTYPE html> because it acts as a declaration and ensures the browser tries to meet industry-wide specifications. <!DOCTYPE html> also tells the browser that the document is HTML 5**

## CSS