

T2 – More HTML/CSS EXERCISES

1 - Make Circular Images with a Border Radius

The screenshot shows a web browser window with the following content:

- Browser Tabs:** Texas HoldEm Poker on..., Make Circular Images wit..., CMAM332-AM32 1718-...
- Address Bar:** Secure | https://www.freecodecamp.org/challenges/make-circular-images-with-a-border-radius
- Page Header:** freeCodeCamp (logo) Community Map Donate [2]
- Instructions:**

In addition to pixels, you can also specify a `border-radius` using a percentage.

Give your cat photo a `border-radius` of `50%`.
- Buttons:** Run tests (ctrl + enter), Reset your code, Get a hint, Ask for help on the forum
- Code Editor:**

```
11
12 p {
13   font-size: 16px;
14   font-family: Monospace;
15 }
16
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 
35
```
- Preview:** A mobile phone screen displaying a "CatPhotoApp" interface. It features a circular image of a cat, a red heading "CatPhotoApp", and two paragraphs of red text: "Kitty ipsum dolor sit amet, shed everywhere shed everywhere stretching attack your ankles chase the red dot, hairball run catnip eat the grass sniff." and "Purr jump eat the grass rip the couch scratched sunbathe, shed everywhere rip the couch sleep in the sink fluffy fur catnip scratched."
- Task List:**
 - ✓ Your image should have a border radius of `50%`, making it perfectly circular.
 - ✓ Be sure to use a percentage instead of a pixel value.
- Taskbar:** Windows taskbar with icons for File Explorer, Firefox, Chrome, and VS Code. System tray shows MAPA, volume, network, and the date/time: 5:45 PM 12/3/2017.

2 - Link to External Pages with Anchor Elements

The screenshot shows a web browser window with the URL <https://www.freecodecamp.org/challenges/link-to-external-pages-with-anchor-elements>. The page title is "freeCodeCamp" and the navigation bar includes "Community", "Map", "Donate", and "[3]".

The challenge instructions are: "Create an `a` element that links to `http://freecatphotoapp.com` and has "cat photos" as its anchor text."

The code editor shows the following code:

```
13 font-size: 10px;
14 font-family: Monospace;
15 }
16
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 
35 <p> Here's a
36   <a href="http://freecatphotoapp.com">
37     cat photos </a> for you to follow. </p>
38 <p class="red-text">Kitty ipsum dolor
39   sit amet, shed everywhere shed everywhere
40   stretching attack your ankles
41   chase the red dot, hairball run
42   catnip eat the grass sniff. </p>
43 <p class="red-text">Purr jump eat the
44   grass rip the couch scratched sunbathe,
45   shed everywhere rip the couch sleep
46   in the sink fluffy fur catnip
47   scratched. </p>
48 </p>
```

The rendered output shows a mobile phone screen with the following content:

- Header: **CatPhotoApp**
- Image: A circular photo of a cat's face.
- Text: "Here's a cat photos for you to follow."
- Text: "Kitty ipsum dolor sit amet, shed everywhere shed everywhere stretching attack your ankles chase the red dot, hairball run catnip eat the grass sniff."
- Text: "Purr jump eat the grass rip the couch scratched sunbathe, shed everywhere rip the couch sleep in the sink fluffy fur catnip scratched."

The browser's taskbar at the bottom shows the time as 5:50 PM on 12/3/2017.

3 - Nest an Anchor Element within a Paragraph


freeCodeCamp (🔥) Community Map Donate [4]

- ✓ You need an `a` element that links to "http://www.freecatphotoapp.com".
- ✓ Your `a` element should have the anchor text of "cat photos".
- ✓ Create a new `p` element around your `a` element.
- ✓ Your `a` element should be nested within your new `p` element.
- ✓ Your `p` element should have the text "View more " (with a space after it).
- ✓ Your `a` element should *not* have the text "View more".
- ✓ Make sure each of your `p` elements has a closing tag.
- ✓ Make sure each of your `a` elements has a closing tag.

```
15 }
16
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p> View more <a
32   href="http://www.freecatphotoapp.com">c
33   at photos</a> for you to foolow. </p>
34
35 
39
40 <p class="red-text">Kitty ipsum dolor
41   sit amet, shed everywhere shed everywhere
42   stretching attack your ankles
43   chase the red dot, hairball run
44   catnip eat the grass sniff.</p>
45
46 <p class="red-text">Purr jump eat the
47   grass rip the couch scratched sunbathe,
48   shed everywhere rip the couch sleep
49   in the sink fluffy fur catnip
50   scratched.
51 </p>
52
```

CatPhotoApp

View more cat photos for you to foolow.



Kitty ipsum dolor sit amet, shed everywhere shed everywhere stretching attack your ankles chase the red dot, hairball run catnip eat the grass sniff.

Purr jump eat the grass rip the couch scratched sunbathe, shed everywhere rip the couch sleep in the sink fluffy fur catnip scratched.

5:58 PM 12/3/2017

4 - Make Dead Links using the Hash Symbol

elements to your website before you know where they will link.

This is also handy when you're changing the behavior of a link using `jQuery`, which we'll learn about later.

Replace the value of your `a` element's `href` attribute with a `#`, also known as a hash symbol, to turn it into a dead link.

Run tests (ctrl + enter)

Reset your code

Get a hint

Ask for help on the forum

✓ Your `a` element should be a dead link with a `href` attribute set to `#`.

```
13 font-size: 16px;
14 font-family: Monospace;
15 }
16
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p>Click here for <a href=# href=
"http://www.freecatphotoapp.com">cat
photos</a>.</p>
32
33 
34
35 <p class="red-text">Kitty ipsum dolor
sit amet, shed everywhere shed
everywhere stretching attack your
ankles chase the red dot, hairball run
catnip eat the grass sniff.</p>
36 <p class="red-text">Purr jump eat the
grass rip the couch scratched sunbathe,
shed everywhere rip the couch sleep in
the sink fluffy fur catnip scratched
```

CatPhotoApp

Click here for cat photos.

Kitty ipsum dolor sit amet, shed everywhere shed everywhere stretching attack your ankles chase the red dot, hairball run catnip eat the grass sniff.

Purr jump eat the grass rip the couch scratched sunbathe, shed everywhere rip the couch sleep in the sink fluffy fur catnip scratched.

6:35 PM 12/3/2017

5 - Turn an Image into a Link

Once you've done this, hover over your image with your cursor. Your cursor's normal pointer should become the link clicking pointer. The photo is now a link.

Run tests (ctrl + enter)

Reset your code

Get a hint

Ask for help on the forum

- ✓ Nest the existing `img` element within an `a` element.
- ✓ Your `a` element should be a dead link with a `href` attribute set to `#`.
- ✓ Make sure each of your `a` elements has a closing tag.

```
14 font-family: monospace;
15 }
16
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p>Click here for <a href="#">cat
32 photos</a>.</p>
33 <a href="#"></a>
38
39 <p class="red-text">Kitty ipsum dolor
40 sit amet, shed everywhere shed
41 everywhere stretching attack your
42 ankles chase the red dot, hairball
43 run catnip eat the grass sniff.</p>
44 <p class="red-text">Purr jump eat the
45 grass rip the couch scratched
46 sunbathe, shed everywhere rip the
47 couch sleep in the sink fluffy fur
48 catnip scratched.</p>
```

CatPhotoApp

Click here for cat photos.

Kitty ipsum dolor sit amet, shed everywhere shed everywhere stretching attack your ankles chase the red dot, hairball run catnip eat the grass sniff.

Purr jump eat the grass rip the couch scratched sunbathe, shed everywhere rip the couch sleep in the sink fluffy fur catnip scratched.

7:01 PM 12/3/2017

6 - Create a Bulleted Unordered List

elements and create an unordered list of three things that cats love at the bottom of the page.

Run tests (ctrl + enter)

Reset your code

Get a hint

Ask for help on the forum

- ✓ Create a `ul` element.
- ✓ You should have three `li` elements within your `ul` element.
- ✓ Make sure your `ul` element has a closing tag.
- ✓ Make sure your `li` elements have closing tags.

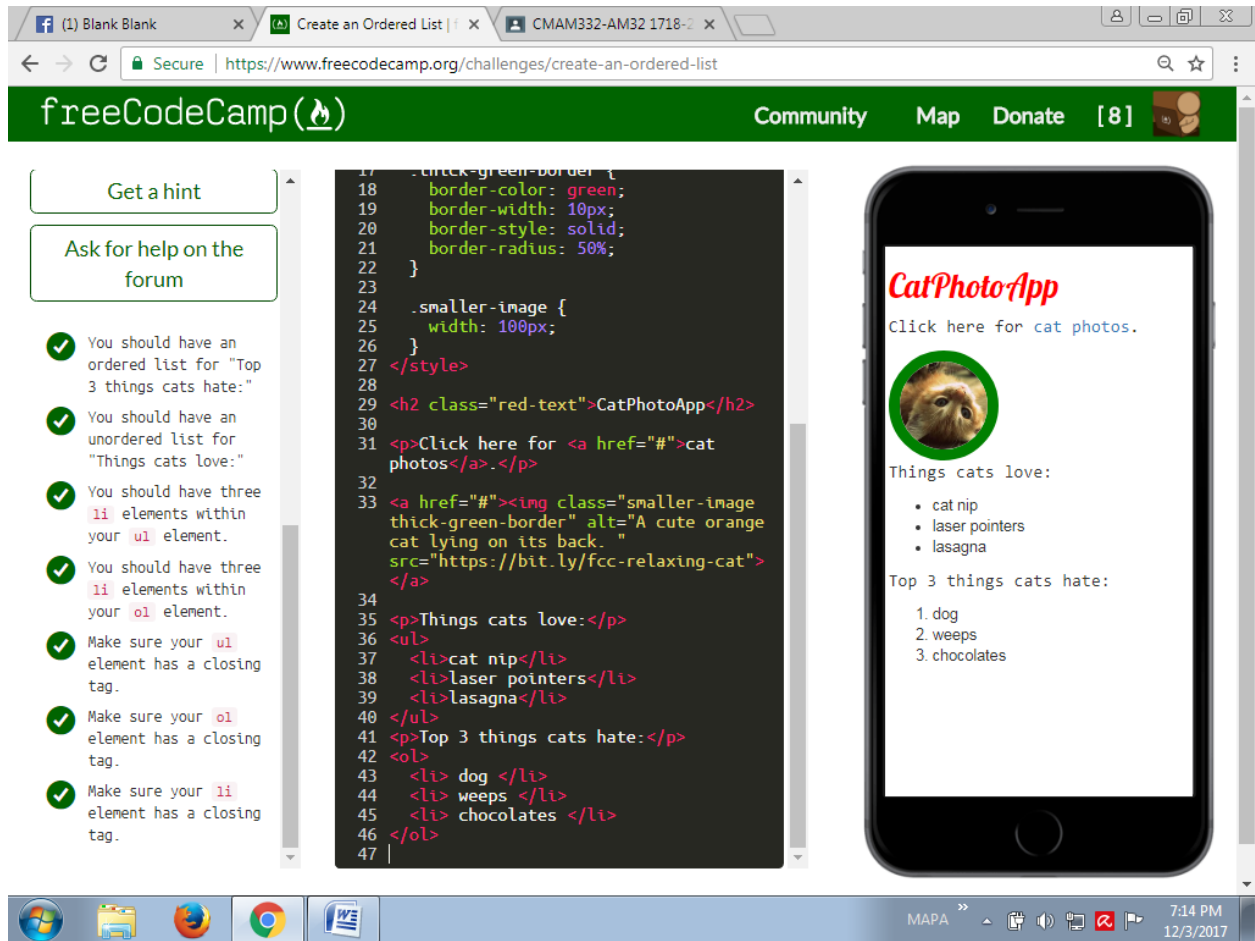
```
15 }
16
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30 <ul>
31 <li>Click here for <a href="#">cat
32 photos</a>.</li>
33 <a href="#"></a>
38 <li class="red-text">Kitty ipsum dolor
39 sit amet, shed everywhere shed
40 everywhere stretching attack your
41 ankles chase the red dot, hairball run
42 catnip eat the grass sniff.</li>
43 <li class="red-text">Purr jump eat the
44 grass rip the couch scratched sunbathe,
45 shed everywhere rip the couch sleep in
46 the sink fluffy fur catnip scratched.
47 </li></ul>
48
```

CatPhotoApp

- Click here for cat photos.
- Kitty ipsum dolor sit amet, shed everywhere shed everywhere stretching attack your ankles chase the red dot, hairball run catnip eat the grass sniff.
- Purr jump eat the grass rip the couch scratched sunbathe, shed everywhere rip the couch sleep in the sink fluffy fur catnip scratched.

7:09 PM 12/3/2017

7 - Create an Ordered List



freeCodeCamp (🔥) Community Map Donate [8]

Get a hint


Ask for help on the forum

- ✓ You should have an ordered list for "Top 3 things cats hate:"
- ✓ You should have an unordered list for "Things cats love:"
- ✓ You should have three `li` elements within your `ul` element.
- ✓ You should have three `li` elements within your `ol` element.
- ✓ Make sure your `ul` element has a closing tag.
- ✓ Make sure your `ol` element has a closing tag.
- ✓ Make sure your `li` element has a closing tag.

```
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p>Click here for <a href="#">cat
32   photos</a>.</p>
33
34 <a href="#">
38   </a>
39
40 <p>Things cats love:</p>
41 <ul>
42   <li>cat nip</li>
43   <li>laser pointers</li>
44   <li>lasagna</li>
45 </ul>
46 <p>Top 3 things cats hate:</p>
47 <ol>
48   <li>dog</li>
49   <li>weeps</li>
50   <li>chocolates</li>
51 </ol>
```

CatPhotoApp

Click here for cat photos.



Things cats love:

- cat nip
- laser pointers
- lasagna

Top 3 things cats hate:

1. dog
2. weeps
3. chocolates

MAPA 7:14 PM 12/3/2017

8 - Create a Text Field

The screenshot shows a web browser window with the URL `https://www.freecodecamp.org/challenges/create-a-text-field`. The page header features the freeCodeCamp logo and navigation links for Community, Map, Donate, and a notification badge [9].

The main content area is divided into three sections:

- Instructions:** Text inputs are a convenient way to get input from your user. You can create one like this: `<input type="text">`. Note that `input` elements are self-closing. Create an `input` element of type `text` below your lists.
- Code Editor:** A dark-themed editor showing the following code:

```
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p>Click here for <a href="#">cat
32   photos</a>.</p>
33
34 <a href="#">
38   </a>
39   <input type="text">|
40   <p>Things cats love:</p>
41   <ul>
42     <li>cat nip</li>
43     <li>laser pointers</li>
44     <li>lasagna</li>
45   </ul>
46   <p>Top 3 things cats hate:</p>
47   <ol>
48     <li>flea treatment</li>
49     <li>thunder</li>
50     <li>other cats</li>
51   </ol>
```
- Preview:** A mobile phone mockup displaying the 'CatPhotoApp'. The app has a red title, a link to 'cat photos', a circular image of a cat, and two lists: 'Things cats love' (cat nip, laser pointers, lasagna) and 'Top 3 things cats hate' (flea treatment, thunder, other cats). A text input field is visible next to the cat image.

On the left sidebar, there are buttons for 'Run tests (ctrl + enter)', 'Reset your code', 'Get a hint', and 'Ask for help on the forum'. A green checkmark icon indicates that the app should have an `input` element of type `text`.

The Windows taskbar at the bottom shows the time as 7:16 PM on 12/3/2017.

9 - Add Placeholder Text to a Text Field

The screenshot shows a web browser window with the URL `https://www.freecodecamp.org/challenges/add-placeholder-text-to-a-text-field`. The page header features the freeCodeCamp logo and navigation links for Community, Map, Donate, and a [10] badge. The main content area is divided into three sections:

- Instructions:** A text box explains that the `placeholder` value of the `input` text field should be set to "cat photo URL". Below this are buttons for "Run tests (ctrl + enter)", "Reset your code", "Get a hint", and "Ask for help on the forum".
- Code Editor:** A dark-themed code editor displays the following code:

```
19 border-width: 10px;
20 border-style: solid;
21 border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 /style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p>Click here for <a href="#">cat
  photos</a>.</p>
32
33 <a href="#">
  </a>
34
35 <p>Things cats love:</p>
36 <ul>
37   <li>cat nip</li>
38   <li>laser pointers</li>
39   <li>lasagna</li>
40 </ul>
41 <p>Top 3 things cats hate:</p>
42 <ol>
43   <li>flea treatment</li>
44   <li>thunder</li>
45   <li>other cats</li>
46 </ol>
47 <input type="text"
48   placeholder="cat photo URL">
49
```
- Preview:** A mobile phone mockup displays the rendered application. The app has a red title "CatPhotoApp", a link "Click here for cat photos." with a circular image of a cat, and two lists: "Things cats love:" (cat nip, laser pointers, lasagna) and "Top 3 things cats hate:" (flea treatment, thunder, other cats). At the bottom, there is a text input field with the placeholder text "cat photo URL".

The Windows taskbar at the bottom shows the system tray with the time 7:18 PM and date 12/3/2017.

10 - Create a Form Element

The screenshot shows a web browser window with the URL `https://www.freecodecamp.org/challenges/create-a-form-element`. The page features the freeCodeCamp logo and navigation links for Community, Map, and Donate. The main content area is divided into three sections:

- Instructions:** A list of three tasks with green checkmarks:
 - Nest your text input element within a `form` element.
 - Make sure your `form` has an `action` attribute which is set to `/submit-cat-photo`.
 - Make sure your `form` element has a closing tag.
- Code Editor:** A dark-themed editor showing the following code:

```
20 border-style: solid,  
21 border-radius: 50%;  
22 }  
23  
24 .smaller-image {  
25 width: 100px;  
26 }  
27 </style>  
28  
29 <h2 class="red-text">CatPhotoApp</h2>  
30  
31 <p>Click here for <a href="#">cat  
photos</a>.</p>  
32  
33 <a href="#">  
</a>  
34  
35 <p>Things cats love:</p>  
36 <ul>  
37 <li>cat nip</li>  
38 <li>laser pointers</li>  
39 <li>lasagna</li>  
40 </ul>  
41 <p>Top 3 things cats hate:</p>  
42 <ol>  
43 <li>flea treatment</li>  
44 <li>thunder</li>  
45 <li>other cats</li>  
46 </ol>  
47 <form action="/submit-cat-photo"><input  
type="text" placeholder="cat photo  
URL"></form>  
48
```
- Preview:** A mobile phone mockup displaying the rendered application. The app has a red title "CatPhotoApp", a link "Click here for cat photos.", a circular image of a cat, and two lists: "Things cats love:" (cat nip, laser pointers, lasagna) and "Top 3 things cats hate:" (flea treatment, thunder, other cats). At the bottom, there is a text input field with the placeholder "cat photo URL".

The Windows taskbar at the bottom shows the time as 7:31 PM on 12/3/2017.

11 - Add a Submit Button to a Form

Blank Blank x Add a Submit Button to x CMAM332-AM32 1718- x

Secure | https://www.freecodecamp.org/challenges/add-a-submit-button-to-a-form

freeCodeCamp (🔥) Community Map Donate [12]

Add a submit button to your form element with type submit and "Submit" as its text.

Run tests (ctrl + enter)

Reset your code

Get a hint


Ask for help on the forum

- ✓ Your form should have a button inside it.
- ✓ Your submit button should have the attribute type set to submit.
- ✓ Your submit button should only have the text "Submit".
- ✓ Make sure your button element has a closing tag.

```
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p>Click here for <a href="#">cat
32 photos</a>.</p>
33
34 <a href="#">
38 </a>
39
40 <p>Things cats love:</p>
41 <ul>
42   <li>cat nip</li>
43   <li>laser pointers</li>
44   <li>lasagna</li>
45 </ul>
46
47 <p>Top 3 things cats hate:</p>
48 <ol>
49   <li>flea treatment</li>
50   <li>thunder</li>
51   <li>other cats</li>
52 </ol>
53
54 <form action="/submit-cat-photo">
55   <button type="submit">Submit</button>
56   <input type="text" placeholder="cat
57 photo URL">
58 </form>
59
60
```

CatPhotoApp

Click here for cat photos.



Things cats love:

- cat nip
- laser pointers
- lasagna

Top 3 things cats hate:

1. flea treatment
2. thunder
3. other cats

Submit cat photo URL

MAPA 7:46 PM 12/3/2017

12 - Use HTML5 to Require a Field

Make your text `input` a `required` field, so that your user can't submit the form without completing this field.

Then try to submit the form without inputting any text. See how your HTML5 form notifies you that the field is required?

Note: This field does not work in Safari.

Run tests (ctrl + enter)

Reset your code

Get a hint


Ask for help on the forum

✓ Your text `input` element should have the `required` attribute.

```
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p>Click here for <a href="#">cat
32 photos</a>.</p>
33
34 <a href="#">
38 </a>
39
40 <p>Things cats love:</p>
41 <ul>
42   <li>cat nip</li>
43   <li>laser pointers</li>
44   <li>lasagna</li>
45 </ul>
46
47 <p>Top 3 things cats hate:</p>
48 <ol>
49   <li>flea treatment</li>
50   <li>thunder</li>
51   <li>other cats</li>
52 </ol>
53
54 <form action="/submit-cat-photo">
55   <input type="text" placeholder="cat
56 photo URL" required>
57
58   <button type="submit">Submit</button>
59 </form>
60
```

CatPhotoApp

Click here for [cat photos](#).



Things cats love:

- cat nip
- laser pointers
- lasagna

Top 3 things cats hate:

- flea treatment
- thunder
- other cats

cat photo URL

MAPA 7:47 PM 12/3/2017

13 - Create a Set of Radio Buttons

freeCodeCamp (🔥) Community Map Donate [14]

Get a hint


Ask for help on the forum

- ✓ Your page should have two radio button elements.
- ✓ Give your radio buttons the `name` attribute of `indoor-outdoor`.
- ✓ Each of your two radio button elements should be nested in its own `label` element.
- ✓ Make sure each of your `label` elements has a closing tag.
- ✓ One of your radio buttons should have the label `indoor`.
- ✓ One of your radio buttons should have the label `outdoor`.

```
25 width: 100px;
26 }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p>Click here for <a href="#">cat
32 photos</a>.</p>
33
34 <a href="#">
38 </a>
39
40 <p>Things cats love:</p>
41 <ul>
42 <li>cat nip</li>
43 <li>laser pointers</li>
44 <li>lasagna</li>
45 </ul>
46
47 <p>Top 3 things cats hate:</p>
48 <ol>
49 <li>flea treatment</li>
50 <li>thunder</li>
51 <li>other cats</li>
52 </ol>
53
54 <form action="/submit-cat-photo">
55 <input type="text" placeholder="cat
56 photo URL" required>
57 <button type="submit">Submit</button>
58 </form>
59
60 <label><input type="radio"
61 name="indoor-outdoor"> Indoor</label>
62 <label><input type="radio"
63 name="indoor-outdoor"> Outdoor</label>
```

CatPhotoApp

Click here for cat photos.



Things cats love:

- cat nip
- laser pointers
- lasagna

Top 3 things cats hate:

1. flea treatment
2. thunder
3. other cats

cat photo URL

Indoor Outdoor

MAPA 7:52 PM 12/3/2017

14 - Create a Set of Checkboxes

The screenshot shows a web browser window with the URL `https://www.freecodecamp.org/challenges/create-a-set-of-checkboxes`. The page features the freeCodeCamp logo and navigation links for Community, Map, and Donate. On the left, there are four buttons: "Run tests (ctrl + enter)", "Reset your code", "Get a hint", and "Ask for help on the forum". Below these buttons are four green checkmarks with corresponding instructions:

- ✓ Your page should have three checkbox elements.
- ✓ Each of your three checkbox elements should be nested in its own `label` element.
- ✓ Make sure each of your `label` elements has a closing tag.
- ✓ Give your checkboxes the `name` attribute of `personality`.

The central code editor shows the following HTML code:

```
30
31 <p>Click here for <a href="#">cat
    photos</a>.</p>
32
33 <a href="#">
    </a>
34
35 <p>Things cats love:</p>
36 <ul>
37 <li>cat nip</li>
38 <li>laser pointers</li>
39 <li>lasagna</li>
40 </ul>
41 <p>Top 3 things cats hate:</p>
42 <ol>
43 <li>flea treatment</li>
44 <li>thunder</li>
45 <li>other cats</li>
46 </ol>
47 <form action="/submit-cat-photo">
48 <label><input type="radio"
    name="indoor-outdoor"> Indoor</label>
49 <label><input type="radio"
    name="indoor-outdoor"> Outdoor</label>
50 <label><input type="checkbox"
    name="personality">Loving</label>
51 <label><input type="checkbox"
    name="personality">Laughing</label>
52 <label><input type="checkbox"
    name="personality">Caring</label>
53 <input type="text" placeholder="cat
    photo URL" required>
54 <button type="submit">Submit</button>
```

On the right, a mobile phone preview shows the rendered application. The app has a title "CatPhotoApp" and a link "Click here for cat photos." with a circular image of a cat. Below the image, it lists "Things cats love:" with a bulleted list: "cat nip", "laser pointers", and "lasagna". It also lists "Top 3 things cats hate:" with a numbered list: "1. flea treatment", "2. thunder", and "3. other cats". At the bottom, there are radio buttons for "Indoor" (selected), "Outdoor", and "Loving"; checkboxes for "Laughing" and "Caring"; a text input field for "cat photo URL"; and a "Submit" button.

15 - Check Radio Buttons and Checkboxes by Default

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** (1) Blank Blank, Check Radio Buttons and, freeCodeCamp Challeng, CMAM332-AM32 1718-2
- Address Bar:** Secure | https://www.freecodecamp.org/challenges/check-radio-buttons-and-checkboxes-by-default
- Page Header:** freeCodeCamp (🔥) Community Map Donate [16]
- Code Editor (Line 32-55):**

```
32  
33 <a href="#">  
</a>  
34  
35 <p>Things cats love:</p>  
36 <ul>  
37 <li>cat nip</li>  
38 <li>laser pointers</li>  
39 <li>lasagna</li>  
40 </ul>  
41 <p>Top 3 things cats hate:</p>  
42 <ol>  
43 <li>flea treatment</li>  
44 <li>thunder</li>  
45 <li>other cats</li>  
46 </ol>  
47 <form action="/submit-cat-photo">  
48 <label><input type="radio"  
name="indoor-outdoor" checked>  
Indoor</label>  
49 <label><input type="radio"  
name="indoor-outdoor"> Outdoor</label>  
50 <label><input type="checkbox"  
name="personality" checked>  
Loving</label>  
51 <label><input type="checkbox"  
name="personality"> Lazy</label>  
52 <label><input type="checkbox"  
name="personality"> Energetic</label>  
53 <input type="text" placeholder="cat  
photo URL" required>  
54 <button type="submit">Submit</button>  
55 </form>
```
- Instructions:**
 - Set the first of your **radio buttons** and the first of your **checkboxes** to both be checked by default.
 - Run tests (ctrl + enter)
 - Reset your code
 - Get a hint
 - Ask for help on the forum
- Test Results:**
 - ✓ Your first radio button on your form should be checked by default.
 - ✓ Your first checkbox on your form should be checked by default.
- App Preview:** A mobile phone displaying the 'CatPhotoApp' interface. It features a cat photo, a list of things cats love (cat nip, laser pointers, lasagna), a list of things cats hate (flea treatment, thunder, other cats), and a form with radio buttons for 'Indoor', 'Outdoor', 'Loving', and 'Lazy', and checkboxes for 'Energetic' and 'Lazy'. A text input field for 'cat photo URL' and a 'Submit' button are also visible.

16 - Nest Many Elements within a Single Div Element

The screenshot shows a web browser window displaying a freeCodeCamp challenge. The browser's address bar shows the URL: `https://www.freecodecamp.org/challenges/nest-many-elements-within-a-single-div-element`. The page header includes the freeCodeCamp logo and navigation links for Community, Map, Donate, and a user profile with 17 items. The challenge content is divided into three main sections:

- Instructions:** "Nest your 'Things cats love' and 'Things cats hate' lists all within a single `div` element."
- Controls:** Buttons for "Run tests (ctrl + enter)", "Reset your code", "Get a hint", and "Ask for help on the forum".
- Code Editor:** A dark-themed editor showing HTML code for a mobile app. The code includes a link to cat photos, two lists (one for things cats love, one for things cats hate), and a form with radio buttons for indoor/outdoor, checkboxes for personality (loving, lazy, energetic), and a text input for a cat photo URL.
- Preview:** A mobile phone mockup showing the rendered app. The app displays the title "CatPhoto App", a link to cat photos, a circular image of a cat, and the two lists. The form is also visible at the bottom of the preview.

At the bottom of the browser window, the Windows taskbar is visible, showing icons for the Start menu, File Explorer, Internet Explorer, Chrome, and Word. The system tray shows the time as 8:26 PM on 12/3/2017.

17 - Give a Background Color to a Div Element

freeCodeCamp (🔥) Community Map Donate [18]

```
.green-background {
  background-color: green;
}
```

Create a class called `silver-background` with the `background-color` of silver. Assign this class to your `div` element.

Run tests (ctrl + enter)

Reset your code

Get a hint


Ask for help on the forum

- Give your `div` element the class `silver-background`.
- Your `div` element should have a silver background.

```
25   width: 100px;
26 }
27 .silver-background {
28   background-color: silver;
29 }
30 </style>
31
32 <h2 class="red-text">CatPhotoApp</h2>
33
34 <p>Click here for <a href="#">cat
35 photos</a>.</p>
36 <a href="#">
40 </a>
41
42 <div class="silver-background">
43 <p>Things cats love:</p>
44 <ul>
45   <li>cat nip</li>
46   <li>laser pointers</li>
47   <li>lasagna</li>
48 </ul>
49 <p>Top 3 things cats hate:</p>
50 <ol>
51   <li>flea treatment</li>
52   <li>thunder</li>
53   <li>other cats</li>
54 </ol>
55 </div>
56
57 <form action="/submit-cat-photo">
58   <label><input type="radio"
59     name="indoor-outdoor" checked>
```

CatPhotoApp

Click here for [cat photos](#).



Things cats love:

- cat nip
- laser pointers
- lasagna

Top 3 things cats hate:

- flea treatment
- thunder
- other cats

Indoor Outdoor Loving Lazy

Energetic

Submit

8:42 PM 12/3/2017

18 - Set the ID of an Element

it is a widely agreed upon best practice. So please don't give more than one element the same `id` attribute.

Here's an example of how you give your `h2` element the id of `cat-photo-app`:

```
<h2 id="cat-photo-app">
```

Give your `form` element the id `cat-photo-form`.

Run tests (ctrl + enter)

Reset your code

Get a hint

Ask for help on the forum

Give your `form` element the id of `cat-photo-form`.

```
37 </a>
38 </div class="silver-background">
39 <p>Things cats love:</p>
40 <ul>
41 <li>cat nip</li>
42 <li>laser pointers</li>
43 <li>lasagna</li>
44 </ul>
45 <p>Top 3 things cats hate:</p>
46 <ol>
47 <li>flea treatment</li>
48 <li>thunder</li>
49 <li>other cats</li>
50 </ol>
51 </div>
52
53 <form id="cat-photo-form"
54   action="/submit-cat-photo">
55   <label><input type="radio"
56     name="indoor-outdoor" checked>
57   Indoor</label>
58   <label><input type="radio"
59     name="indoor-outdoor"> Outdoor</label>
60   <label><input type="checkbox"
61     name="personality" checked>
62   Loving</label>
63   <label><input type="checkbox"
64     name="personality"> Lazy</label>
65   <label><input type="checkbox"
66     name="personality"> Energetic</label>
67   <input type="text" placeholder="cat
68   photo URL" required>
69   <button type="submit">Submit</button>
70 </form>
```

CatPhotoApp

Click here for cat photos.

Things cats love:

- cat nip
- laser pointers
- lasagna

Top 3 things cats hate:

- flea treatment
- thunder
- other cats

Indoor Outdoor Loving Lazy

Energetic

Submit

MAPA 8:44 PM 12/3/2017

19 - Use an ID Attribute to Style an Element

The screenshot shows a web browser window with the URL `https://www.freecodecamp.org/challenges/use-an-id-attribute-to-style-an-element`. The page features the freeCodeCamp logo and navigation links for Community, Map, Donate, and a [20] badge. The main content area is divided into three sections:

- Instructions:** A list of four tasks with green checkmarks:
 - Give your `form` element the id of `cat-photo-form`.
 - Your `form` element should have the `background-color` of green.
 - Make sure your `form` element has an `id` attribute.
 - Do not give your `form` any `class` or `style` attributes.
- Code Editor:** A dark-themed code editor showing CSS and HTML code:

```
12 p {
13   font-size: 16px;
14   font-family: Monospace;
15 }
16
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 50%;
22 }
23
24 .smaller-image {
25   width: 100px;
26 }
27
28 .silver-background {
29   background-color: silver;
30 }
31 #cat-photo-form {
32   background-color: green;
33 }
34 </style>
35
36 <h2 class="red-text">CatPhotoApp</h2>
37
38 <p>Click here for <a href="#">cat
39 photos</a>.</p>
40
41 <a href="#">
45 </a>
46
47 <div class="silver-background">
```
- Preview:** A mobile phone mockup showing the rendered app. The app has a red title "CatPhotoApp", a link "Click here for cat photos.", a circular image of a cat, and two lists: "Things cats love:" (cat nip, laser pointers, lasagna) and "Top 3 things cats hate:" (flea treatment, thunder, other cats). At the bottom, there is a form with a "Submit" button.

The Windows taskbar at the bottom shows the time as 8:50 PM on 12/3/2017.

20 - Adjusting the Padding of an Element

the red box has more padding than the green box.

When you increase the green box's padding, it will increase the distance between the text padding and the border around it.

Change the padding of your green box to match that of your red box.

Run tests (ctrl + enter)

Reset your code

Get a hint

Ask for help on the forum

✓ Your green-box class should give elements 20px of padding.

```
1
2 <style>
3   .injected-text {
4     margin-bottom: -25px;
5     text-align: center;
6   }
7
8   .box {
9     border-style: solid;
10    border-color: black;
11    border-width: 5px;
12    text-align: center;
13  }
14
15  .yellow-box {
16    background-color: yellow;
17    padding: 10px;
18  }
19
20  .red-box {
21    background-color: red;
22    padding: 20px;
23  }
24
25  .green-box {
26    background-color: green;
27    padding: 2px;
28  }
29 </style>
30 <h5 class="injected-text">margin</h5>
31
32 <div class="box yellow-box">
33   <h5 class="box red-box">padding</h5>
34   <h5 class="box green-
35   box">padding</h5>
36 </div>
```

margin

padding

padding

8:52 PM
12/3/2017