

T1-2 – More HTML/CSS Exercises

1. Make circular images with a Border Radius

The screenshot shows a web browser window with the URL <https://www.freecodecamp.org/challenges/make-circular-images-with-a-border-radius>. The page title is "freeCodeCamp (🔥)". The challenge is titled "Yes we can!". The instructions on the left state: "In addition to pixels, you can also specify a `border-radius` using a percentage. Give your cat photo a `border-radius` of 50%." The code editor shows the following CSS and HTML:

```
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
```

The right side of the browser shows a preview of a mobile app interface with a circular cat photo and red text.

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 (🔥)". The challenge is titled "Ludicrous Speed! Go!". The instructions on the left state: "Create an `a` element that links to `http://freecatphotoapp.com` and has 'cat photos' as its anchor text." The code editor shows the following HTML:

```
28 <p><a href="http://freecatphotoapp.com">Cat Photos</a></p>
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 
34 <p class="red-text">Kitty ipsum dolor sit amet, shed
35   everywhere shed everywhere stretching attack your ankles
36   chase the red dot, hairball run catnip eat the grass sniff.</p>
37 <p class="red-text">Purr jump eat the grass rip the couch
38   scratched sunbathe, shed everywhere rip the couch sleep
39   in the sink fluffy fur catnip scratched.</p>
34
```

The right side of the browser shows a preview of a mobile app interface with a link to "Cat Photos" and a circular cat photo.

3. Nest an Anchor Element within a Paragraph

existing `h2` element) so that the surrounding paragraph says "View more cat photos", but where only "cat photos" is a link, and the rest of the text is plain text.

Run tests (ctrl + enter)

Reset your code

Get a hint

Ask for help on the forum

- ✓ 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.


```
25     width: 190px;
26   }
27 </style>
28
29 <h2 class="red-text">CatPhotoApp</h2>
30 <p>View more cat photos
31   <a href="http://www.freecatphotoapp.com">cat photos</a></p>
32
33 
```

Onward, ho!

Submit and go to my next challenge (ctrl + enter)

CatPhotoApp

View more cat photos [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.

4. Make Dead Links using the Hash Symbol

sometimes you want to add `a` 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 `"#"`.


```
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <p>Click here for <a href="#">cat photos</a>.</p>
32
33 
36
37 <p class="red-text">Kitty ipsum dolor sit amet, shed
38   everywhere shed everywhere stretching attack your ankles
39   chase the red dot, hairball run catnip eat the grass sniff.</p>
40
41 <p class="red-text">Purr jump eat the grass rip the couch
42   scratched sunbathe, shed everywhere rip the couch sleep in the
```

Get to the choppa!

Submit and go to my next challenge (ctrl + enter)

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.

5. Turn an Image into a Link

freeCodeCamp (🔥) Community Map Donate [25]

Legen - wait for it - dary!

Submit and go to my next challenge (ctrl + enter)

```
30
31 <p>Click here for <a href="#">cat photos</a>.</p>
32 <a href="#"></a>
35 <p class="red-text">Kitty ipsum dolor sit amet, shed
36   everywhere shed everywhere stretching attack your ankles
37   chase the red dot, hairball run catnip eat the grass sniff.</p>
38 <p class="red-text">Purr jump eat the grass rip the couch
39   scratched sunbathe, shed everywhere rip the couch sleep
40   in the sink fluffy fur catnip scratched.</p>
```

Remove the last two `p` 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.

10:44 AM 4/20/2018

6. Create a Bulleted Unordered List

freeCodeCamp (🔥) Community Map Donate [26]

Bingo!

Submit and go to my next challenge (ctrl + enter)

```
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>
36
37 <ul>
38   <li>milk</li>
39   <li>cheese</li>
40   <li>chocolate</li>
41 </ul>
```

Remove the last two `p` 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.

10:46 AM 4/20/2018

7. Create an Ordered List

The screenshot shows the freeCodeCamp interface for the challenge "Create an Ordered List". A green success message "Escape velocity reached!" is displayed in the center, with a large green checkmark and a button that says "Submit and go to my next challenge (ctrl + enter)".

On the left, a list of instructions is visible, including:

- 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.

The code editor shows the following HTML code:

```
34 alt="A cute orange cat lying on its back."
35 src="https://bit.ly/fcc-relaxing-cat"></a>
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>water</li>
44   <li>people</li>
45   <li>dogs</li>
```

On the right, a preview of the "CatPhotoApp" is shown on a mobile device. It features a cat photo and the following text:

CatPhotoApp
Click here for cat photos.

Things cats love:

- cat nip
- laser pointers
- lasagna

Top 3 things cats hate:

- water
- people
- dogs

8. Create a Text Field

The screenshot shows the freeCodeCamp interface for the challenge "Create a Text Field". A green success message "Keep calm and code on!" is displayed in the center, with a large green checkmark and a button that says "Submit and go to my next challenge (ctrl + enter)".

On the left, instructions and a code editor are visible. The instructions include:

- 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.

Buttons for "Run tests (ctrl + enter)", "Reset your code", "Get a hint", and "Ask for help on the forum" are present.

The code editor shows the following HTML code:

```
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"></input>
```

On the right, a preview of the "CatPhotoApp" is shown on a mobile device. It features a cat photo and the following text:

CatPhotoApp
Click here for cat photos.

Things cats love:

- cat nip
- laser pointers
- lasagna

Top 3 things cats hate:

- flea treatment
- thunder
- other cats

Below the list, there is an empty text input field.

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 features the freeCodeCamp logo and navigation links for Community, Map, and Donate. A large green notification box in the center reads "Bodacious!" with a green checkmark icon and a button that says "Submit and go to my next challenge (ctrl + enter)".

On the left, the challenge instructions are visible: "Set the placeholder value of your text input to 'cat photo URL'." Below the instructions are buttons for "Run tests (ctrl + enter)", "Reset your code", "Get a hint", and "Ask for help on the forum". A list of test results shows three green checkmarks, indicating all tests passed.

The code editor shows the following HTML code:

```
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" placeholder="cat photo URL">
48
```

10. Create a Form Element

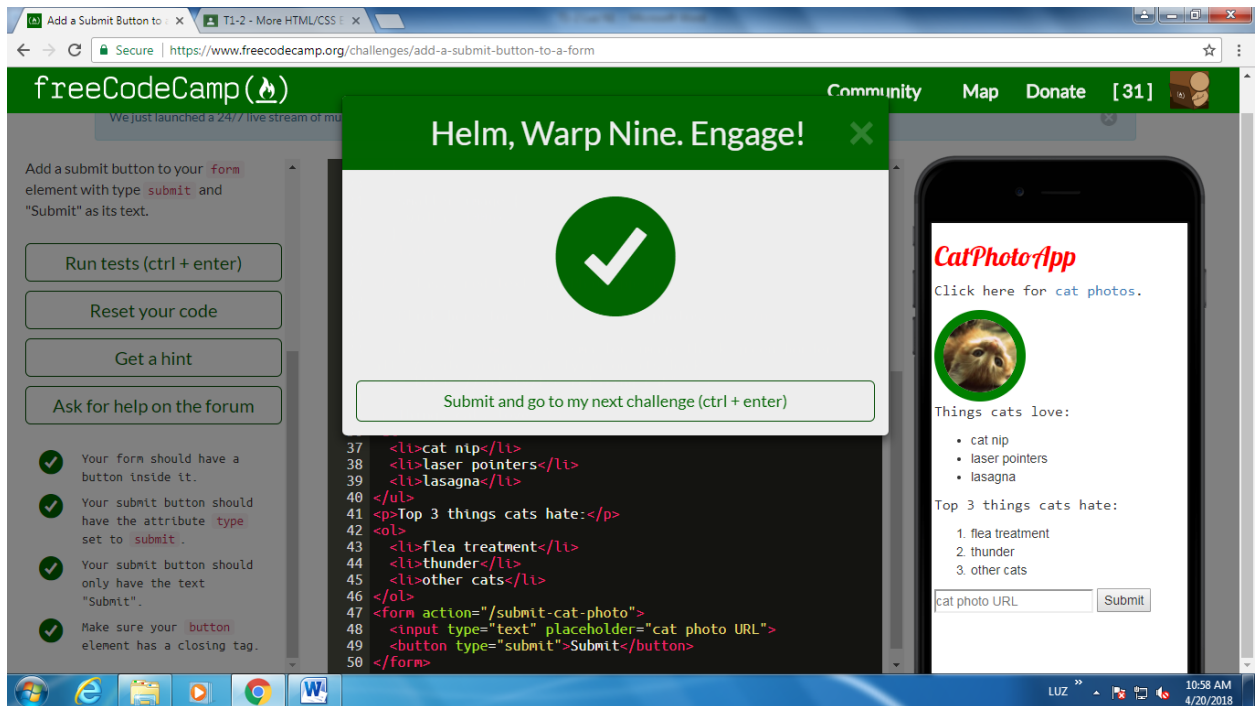
The screenshot shows a web browser window with the URL <https://www.freecodecamp.org/challenges/create-a-form-element>. The page features the freeCodeCamp logo and navigation links for Community, Map, and Donate. A large green notification box in the center reads "Nothing but net!" with a green checkmark icon and a button that says "Submit and go to my next challenge (ctrl + enter)".

On the left, the challenge instructions are visible: "Nest your text field in a form element. Add the action='/submit-cat-photo' attribute to this form element." Below the instructions are buttons for "Run tests (ctrl + enter)", "Reset your code", "Get a hint", and "Ask for help on the forum". A list of test results shows three green checkmarks, indicating all tests passed.

The code editor shows the following HTML code:

```
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" placeholder="cat photo URL">
48 <form action="/submit-cat-photo"><input type="text"></form>
```

11. Add a submit button to a Form



The screenshot shows a web browser window with the URL <https://www.freecodecamp.org/challenges/add-a-submit-button-to-a-form>. The page features a green header with the freeCodeCamp logo and navigation links. A central notification box displays a green checkmark and the text "Submit and go to my next challenge (ctrl + enter)".

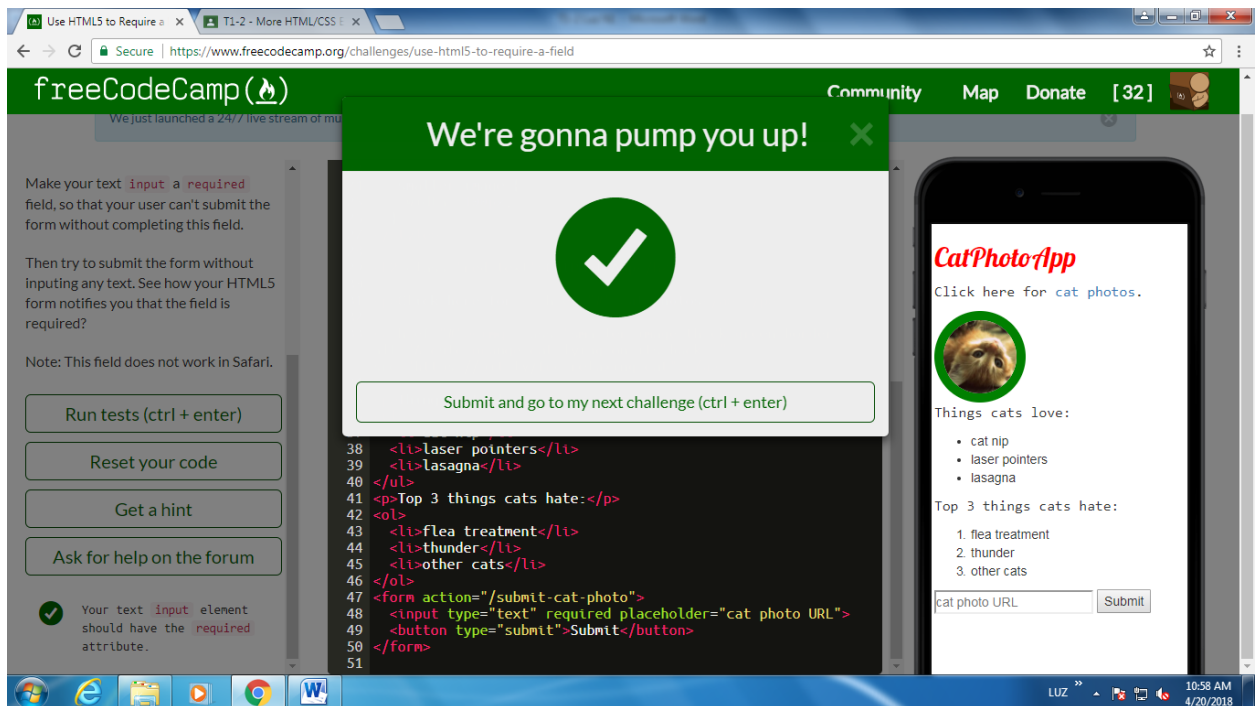
The challenge instructions on the left state: "Add a submit button to your `form` element with type `submit` and 'Submit' as its text." Below the instructions are buttons for "Run tests (ctrl + enter)", "Reset your code", "Get a hint", and "Ask for help on the forum".

The code editor shows the following HTML code:

```
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 <input type="text" placeholder="cat photo URL">
49 <button type="submit">Submit</button>
50 </form>
```

The preview on the right shows a mobile app interface titled "CatPhotoApp" with a "Submit" button.

12. Use HTML5 to require a Field



The screenshot shows a web browser window with the URL <https://www.freecodecamp.org/challenges/use-html5-to-require-a-field>. The page features a green header with the freeCodeCamp logo and navigation links. A central notification box displays a green checkmark and the text "Submit and go to my next challenge (ctrl + enter)".

The challenge instructions on the left state: "Make your text `input` a `required` field, so that your user can't submit the form without completing this field." Below the instructions are buttons for "Run tests (ctrl + enter)", "Reset your code", "Get a hint", and "Ask for help on the forum".

The code editor shows the following HTML code:

```
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 <input type="text" required placeholder="cat photo URL">
49 <button type="submit">Submit</button>
50 </form>
51
```

The preview on the right shows a mobile app interface titled "CatPhotoApp" with a "Submit" button.

13. Create a set of Radio Buttons

freeCodeCamp (🔥) Community Map Donate [33]


Helm, Warp Nine. Engage!

Submit and go to my next challenge (ctrl + enter)

```
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 <input type="text" placeholder="cat photo URL" required>
49 <button type="submit">Submit</button>
50 </form>
51 <label><input type="radio" name="indoor-
52 <label><input type="radio" name="indoor-
53 </label></label></label></label>Outdoor</label>
```

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

Indoor Outdoor

14. Create a set of Checkboxes

freeCodeCamp (🔥) Community Map Donate [34]


Bodacious!

Submit and go to my next challenge (ctrl + enter)

```
47 <form action="/submit-cat-photo">
48 <label><input type="radio" name="indoor-outdoor">
49 <label><input type="radio" name="indoor-outdoor">
50 <input type="text" placeholder="cat photo URL" required>
51 <button type="submit">Submit</button>
52 </form>
53 <label><input type="checkbox"
54 <label><input type="checkbox"
55 <label><input type="checkbox"
56 </label></label></label>Loving</label>Caring</label>Quiet</label>
```

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

cat photo URL

Loving Caring Quiet

15. Check Radio Buttons and Checkboxes by Default

freeCodeCamp (🔥) Community Map Donate [35]

The crowd goes wild!

Submit and go to my next challenge (ctrl + enter)

```
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>
```

Run tests (ctrl + enter)
Reset your code
Get a hint
Ask for help on the forum

✓ Your first radio button on your form should be checked by default.
✓ Your first checkbox on your form should be checked by default.

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

cat photo URL

Submit

11:05 AM
4/20/2018

16. Nest Many Elements within a Single Div Element

freeCodeCamp (🔥) Community Map Donate [36]

We knew you could do it!

Submit and go to my next challenge (ctrl + enter)

```
42 <div>
43   <p>Top 3 things cats hate:</p>
44   <ol>
45     <li>flea treatment</li>
46     <li>thunder</li>
47     <li>other cats</li>
48   </ol>
49 </div>
51 <form action="/submit-cat-photo">
52   <label><input type="radio" name="indoor-outdoor" checked>
Indoor</label>
53   <label><input type="radio" name="indoor-outdoor">
Outdoor</label>
54   <label><input type="checkbox" name="personality" checked>
```

Run tests (ctrl + enter)
Reset your code
Get a hint
Ask for help on the forum

✓ Nest your p elements inside your div element.
✓ Nest your ol element inside your div element.
✓ Nest your ol element inside your div element.
✓ Make sure your div element has a closing tag.

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

cat photo URL

Submit

11:08 AM
4/20/2018

17. Give a Background Color to a Div Element

The screenshot shows a browser window at <https://www.freecodecamp.org/challenges/give-a-background-color-to-a-div-element>. The page features a green header with the freeCodeCamp logo and navigation links for Community, Map, and Donate. A central modal window displays a green checkmark and the text "Bring that rain!" with a "Submit and go to my next challenge (ctrl + enter)" button. The main content area includes instructions on how to apply a background color to a div element, a code editor with the following HTML code, and a preview of a mobile application.

```
32 <h2 class="red-text">CatPhotoApp</h2>
33
34 <p>Click here for <a href="#">cat photos</a>.</p>
35
36 <a href="#"></a>
39
40 <div class="silver-background">
41 <p>Things cats love:</p>
42 <ul>
43 <li>cat nip</li>
```

The preview shows a mobile app titled "CatPhotoApp" with a "Click here for cat photos." link, a cat image, and sections for "Things cats love:" (cat nip, laser pointers, lasagna) and "Top 3 things cats hate:" (flea treatment, thunder, other cats). It also includes radio buttons for "Indoor", "Outdoor", "Loving", and "Lazy", a text input for "Energetic" with a placeholder "cat photo URL", and a "Submit" button.

18. Set the ID of an Element

The screenshot shows a browser window at <https://www.freecodecamp.org/challenges/set-the-id-of-an-element>. The page features a green header with the freeCodeCamp logo and navigation links for Community, Map, and Donate. A central modal window displays a green checkmark and the text "Escape velocity reached!" with a "Submit and go to my next challenge (ctrl + enter)" button. The main content area includes instructions on how to set the ID of an element, a code editor with the following HTML code, and a preview of a mobile application.

```
52 <form action="/submit-cat-photo" id="cat-photo-form">
53 <label><input type="radio" name="indoor-outdoor" checked>
54 Indoor</label>
55 <label><input type="radio" name="indoor-outdoor">
56 Outdoor</label>
57 <label><input type="checkbox" name="personality" checked>
58 Loving</label>
59 <label><input type="checkbox" name="personality">
60 Lazy</label>
61 <label><input type="checkbox" name="personality">
62 Energetic</label>
63 <input type="text" placeholder="cat photo URL" required>
64 <button type="submit">Submit</button>
```

The preview shows a mobile app titled "CatPhotoApp" with a "Click here for cat photos." link, a cat image, and sections for "Things cats love:" (cat nip, laser pointers, lasagna) and "Top 3 things cats hate:" (flea treatment, thunder, other cats). It also includes radio buttons for "Indoor" and "Outdoor", checkboxes for "Loving" and "Lazy", a text input for "Energetic" with a placeholder "cat photo URL", and a "Submit" button.

19. Use an ID Attribute to Style an Element

freeCodeCamp (🔥) Community Map Donate [39]

There is no spoon!

Submit and go to my next challenge (ctrl + enter)

```
37
38 <p>Click here for <a href="#">cat photos</a>.</p>
39
40 <a href="#"></a>
43
44 <div class="silver-background">
45   <p>Things cats love:</p>
46   <ul>
47     <li>cat nip</li>
48     <li>laser pointers</li>
49     <li>lasagna</li>
50   </ul>
51
52   <p>Top 3 things cats hate:</p>
53   <ol>
54     <li>flea treatment</li>
55     <li>thunder</li>
56     <li>other cats</li>
57   </ol>
58
59   <input type="text" value="cat photo URL"/>
60 </div>
```

20. Adjusting the Padding of an Element

freeCodeCamp (🔥) Community Map Donate [40]

Your powers combined!

Submit and go to my next challenge (ctrl + enter)

```
21 background-color: red;
22 padding: 20px;
23 }
24
25 .green-box {
26   background-color: green;
27   padding: 20px;
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-box">padding</h5>
35 </div>
```