

T1-2 – More HTML/CSS Exercises (FreeCodeCamp) – Part 2 of 3

1 - Make Circular Images with a Border Radius

The screenshot shows a browser window with the URL <https://www.freecodecamp.org/challenges/make-circular-images-with-a-border-radius>. The page features a green header with the FreeCodeCamp logo and navigation links for 'Community', 'Map', 'Donate', and '[29]'. A notification banner at the top reads 'Even honeybadger cares!'. The main content area is divided into three sections: instructions on the left, a code editor in the center, and a preview of a mobile app on the right. The instructions state: 'In addition to pixels, you can also specify a `border-radius` using a percentage. Give your cat photo a `border-radius` of 50%.' 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 CSS code:

```
15 }
16
17 .thick-green-border {
18   border-color: green;
19   border-width: 10px;
20   border-style: solid;
21   border-radius: 10px;
22 }
23
24 .smaller-image {
25   width: 100px;
26   border-radius: 50%;
27 }
28 </style>
```

The preview on the right shows a mobile app titled 'CatPhotoApp' with a circular cat photo and the 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. Purr jump eat the grass rip the couch scratched sunbathe, shed everywhere rip the couch sleep in the sink fluffy fur catnip scratched.'

2 - Link to External Pages with Anchor Elements

The screenshot shows a browser window with the URL <https://www.freecodecamp.org/challenges/link-to-external-pages-with-anchor-elements>. The page features a green header with the FreeCodeCamp logo and navigation links for 'Community', 'Map', 'Donate', and '[29]'. A notification banner at the top reads 'Down the rabbit hole we go!'. The main content area is divided into three sections: instructions on the left, a code editor in the center, and a preview of a mobile app on the right. The instructions state: 'Create an `a` element that links to `http://freecatphotoapp.com` and has "cat photos" as its anchor 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:

```
28
29 <h2 class="red-text">CatPhotoApp</h2>
30
31 <a href="http://freecatphotoapp.com">
32   <p> cat photos</p>
33 </a>
34 
37
38 <p class="red-text">Kitty ipsum dolor sit amet, shed
39   everywhere shed everywhere stretching attack your ankles
40   chase the red dot, hairball run catnip eat the grass sniff.
41 </p>
```

The preview on the right shows a mobile app titled 'CatPhotoApp' with a link 'cat photos' and a circular cat photo. Below the photo is the 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. Purr jump eat the grass rip the couch scratched sunbathe, shed everywhere rip the couch sleep in the sink fluffy fur catnip scratched.'

3 - Nest an Anchor Element within a Paragraph

The screenshot shows a browser window with the URL <https://www.freecodecamp.org/challenges/nest-an-anchor-element-within-a-paragraph>. The page title is "freeCodeCamp (🔥)". The challenge is titled "Nest an Anchor Element within a Paragraph". The challenge is completed, indicated by a green checkmark and the message "One for the guinness book!". The code editor shows the following HTML code:

```
30 <p>View more <a href="http://www.freecatphotoapp.com"><p>cat
31 photos</p></a>
32 <a href="http://www.freecatphotoapp.com">cat photos</a>
33
34 
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.
40 </p>
41 <p class="red-text">Purr jump eat the grass rip the couch
42 scratched sunbathe, shed everywhere rip the couch sleep
43 in the sink fluffy fur catnip scratched.
```

The code editor also shows a list of instructions on the left side of the challenge:

- ✓ 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.

4 - Make Dead Links using the Hash Symbol

The screenshot shows a browser window with the URL <https://www.freecodecamp.org/challenges/make-dead-links-using-the-hash-symbol>. The page title is "freeCodeCamp (🔥)". The challenge is titled "Make Dead Links using the Hash Symbol". The challenge is completed, indicated by a green checkmark and the message "You're on fire!". The code editor shows the following HTML code:

```
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 
36 <p class="red-text">Kitty ipsum dolor sit amet, shed
37 everywhere shed everywhere stretching attack your ankles
38 chase the red dot, hairball run catnip eat the grass sniff.
39 </p>
40 <p class="red-text">Purr jump eat the grass rip the couch
41 scratched sunbathe, shed everywhere rip the couch sleep
42 in the sink fluffy fur catnip scratched.
```

The code editor also shows a list of instructions on the left side of the challenge:

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


5 - Turn an Image into a Link

The screenshot shows a web browser window with the URL <https://www.freecodecamp.org/challenges/turn-an-image-into-a-link>. The page title is "freeCodeCamp (🔥)". The challenge title is "Turn an Image into a Link". The challenge is completed, indicated by a green checkmark and the text "Even grumpy cat approves!". The code editor shows the following HTML code:

```
30  
31 <p>Click here for <a href="#">cat photos</a></p>  
32  
33 <a href="#"></a>  
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.  
40 </p>  
41  
42 <p class="red-text">Purr jump eat the grass rip the couch  
43 scratched sunbathe, shed everywhere rip the couch sleep  
44 in the sink fluffy fur catnip scratched.</p>
```

The preview shows a mobile app interface with the following content:

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 - Create a Bulleted Unordered List

The screenshot shows a web browser window with the URL <https://www.freecodecamp.org/challenges/create-a-bulleted-unordered-list>. The page title is "freeCodeCamp (🔥)". The challenge title is "Create a Bulleted Unordered List". The challenge is completed, indicated by a green checkmark and the text "Off the charts!". The code editor shows the following HTML code:

```
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>fish</li>  
39 <li>food</li>  
40 <li>TLC</li>  
41 </ul>
```

The preview shows a mobile app interface with the following content:

CatPhotoApp
Click here for cat photos.



- fish
- food
- TLC

7 - Create an Ordered List

The screenshot shows the freeCodeCamp interface for the challenge "Create an Ordered List". A green "Bingo!" modal is displayed in the center, indicating successful completion. Below the modal, 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>dogs</li>
44 <li>cockroach</li>
45 <li>me</li>
```

The preview on the right shows a mobile app titled "CatPhotoApp" with a button "Click here for cat photos." and two sections: "Things cats love:" with a bulleted list (cat nip, laser pointers, lasagna) and "Top 3 things cats hate:" with a numbered list (1. dogs, 2. cockroach, 3. me).

8 - Create a Text Field

The screenshot shows the freeCodeCamp interface for the challenge "Create a Text Field". A green "Challenge destroyed!" modal is displayed in the center, indicating that the challenge has been completed. Below the modal, the code editor shows the following HTML code:

```
34 <p>Things cats love:</p>
35 <ul>
36 <li>cat nip</li>
37 <li>laser pointers</li>
38 <li>lasagna</li>
39 </ul>
40 <p>Top 3 things cats hate:</p>
41 <ol>
42 <li>flea treatment</li>
43 <li>thunder</li>
44 <li>other cats</li>
45 </ol>
46 <input type="text">
47
```

The preview on the right shows the "CatPhotoApp" with a button "Click here for cat photos." and two sections: "Things cats love:" with a bulleted list (cat nip, laser pointers, lasagna) and "Top 3 things cats hate:" with a numbered list (1. flea treatment, 2. thunder, 3. other cats). A text input field is visible below the list.

9 - Add Placeholder Text to a Text Field

The screenshot shows the freeCodeCamp interface for the challenge "Add Placeholder Text to a Text Field". A green success banner at the top reads "By the power of Grayskull!". Below it is a large green checkmark icon and a button that says "Submit and go to my next challenge (ctrl + enter)".

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
```

The preview on the right shows a mobile app interface titled "CatPhotoApp" with a button "Click here for cat photos.", a cat photo, 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 of the preview is a text input field with the placeholder text "cat photo URL".

10 - Create a Form Element

The screenshot shows the freeCodeCamp interface for the challenge "Create a Form Element". A green success banner at the top reads "Helm, Warp Nine. Engage!". Below it is a large green checkmark icon and a button that says "Submit and go to my next challenge (ctrl + enter)".

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

The preview on the right is identical to the one in the previous screenshot, showing the "CatPhotoApp" interface with the text input field containing the placeholder "cat photo URL".

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 title is "freeCodeCamp (🔥)". The challenge instructions are: "Add a submit button to your form element with type submit and 'Submit' as its text." 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 shows a mobile app interface with a "Submit" button. The notification banner says "You're heating up!" and "Submit and go to my next challenge (ctrl + enter)".

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 title is "freeCodeCamp (🔥)". The challenge instructions are: "Make your text input a required field, so that your user can't submit the form without completing this field." 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 shows a mobile app interface with a "Submit" button. The notification banner says "Most efficient!" and "Submit and go to my next challenge (ctrl + enter)".

13 - Create a Set of Radio Buttons

freeCodeCamp (🔥) Community Map Donate [32]

Don't hurt 'em, Hammer!

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 <label><input type="radio" name="indoor-
51 <label><input type="radio" name="indoor-
52 </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

cat photo URL

Indoor Outdoor

14 - Create a Set of Checkboxes

freeCodeCamp (🔥) Community Map Donate [33]

Power level? It's over 9000!

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

```
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">Caring</label>
52 <label><input type="checkbox"
name="personality">Tender</label>
53 <input type="text" placeholder="cat photo URL" required>
54 <button type="submit">Submit</button>
55 </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 Caring

Tender cat photo URL

15 - Check Radio Buttons and Checkboxes by Default

The screenshot shows the freeCodeCamp interface for challenge 15. The title bar reads "It's on like Donkey Kong!". The code editor contains the following HTML code:

```
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>
```

The preview on the right shows a mobile app titled "CatPhotoApp" with a "Submit" button. The success message "It's on like Donkey Kong!" is displayed in a green box with a checkmark icon. The bottom status bar shows the user name "SALVINO" and the time "10:50 AM 4/20/2018".

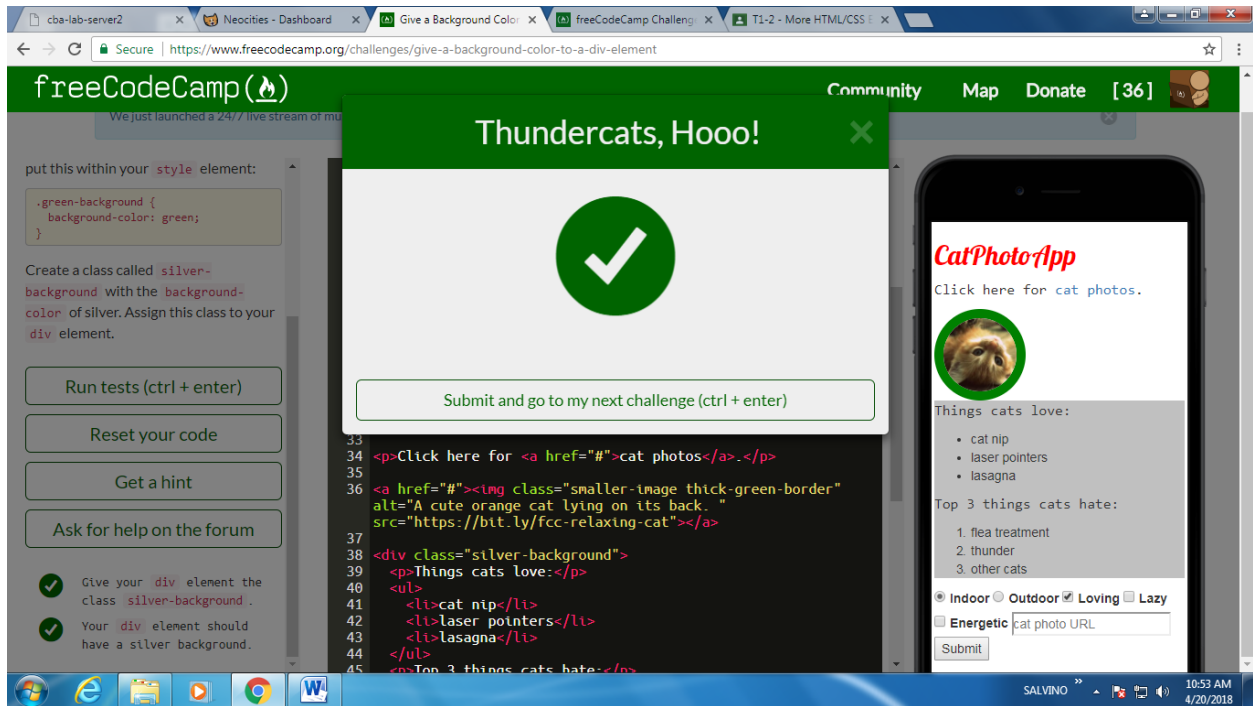
16 - Nest Many Elements within a Single Div Element

The screenshot shows the freeCodeCamp interface for challenge 16. The title bar reads "Over the top!". The code editor contains the following HTML code:

```
49 </div>
50 <form action="/submit-cat-photo">
51   <label><input type="radio" name="indoor-outdoor" checked>
Indoor</label>
52   <label><input type="radio" name="indoor-outdoor">
Outdoor</label>
53   <label><input type="checkbox" name="personality" checked>
Loving</label>
54   <label><input type="checkbox" name="personality">
Lazy</label>
55   <label><input type="checkbox" name="personality">
Energetic</label>
56   <input type="text" placeholder="cat photo URL" required>
57   <button type="submit">Submit</button>
```

The preview on the right shows the same mobile app as in challenge 15. The success message "Over the top!" is displayed in a green box with a checkmark icon. The bottom status bar shows the user name "SALVINO" and the time "10:52 AM 4/20/2018".

17 - Give a Background Color to a Div Element

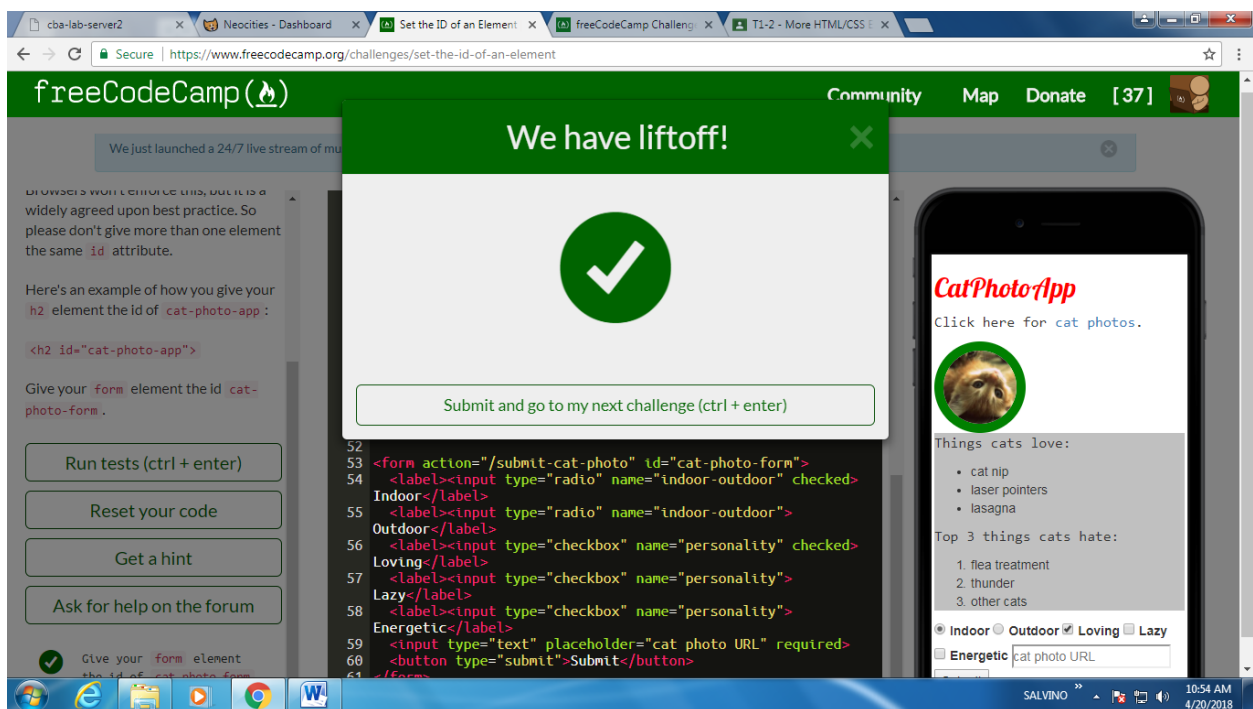


The screenshot shows the freeCodeCamp interface for challenge 17. A green notification box at the top says "Thundercats, Hooo!". The main content area displays a green checkmark and a button that says "Submit and go to my next challenge (ctrl + enter)". The code editor shows the following HTML code:

```
33  
34 <p>Click here for <a href="#">cat photos</a>.</p>  
35  
36 <a href="#"></a>  
37  
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>
```

The right side of the interface shows a preview of the "CatPhoto App" with a cat photo and a form with radio buttons for "Indoor", "Outdoor", "Loving", and "Lazy", and checkboxes for "Energetic" and "Lazy".

18 - Set the ID of an Element



The screenshot shows the freeCodeCamp interface for challenge 18. A green notification box at the top says "We have liftoff!". The main content area displays a green checkmark and a button that says "Submit and go to my next challenge (ctrl + enter)". The code editor shows the following HTML code:

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

The right side of the interface shows a preview of the "CatPhoto App" with a cat photo and a form with radio buttons for "Indoor", "Outdoor", "Loving", and "Lazy", and checkboxes for "Energetic" and "Lazy".

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 title is "Storm that castle!". A green notification box with a white checkmark and the text "Submit and go to my next challenge (ctrl + enter)" is overlaid on the page. The background shows a code editor with CSS and HTML code. The CSS code includes:

```
24 .silver-background {  
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 photos</a></p>
```

The HTML code includes a form with a submit button and a link. The browser's taskbar shows the name "SALVINO" and the time "10:55 AM 4/20/2018".

20 - Adjusting the Padding of an Element

The screenshot shows a web browser window with the URL <https://www.freecodecamp.org/challenges/adjusting-the-padding-of-an-element>. The page title is "You did it!". A green notification box with a white checkmark and the text "Submit and go to my next challenge (ctrl + enter)" is overlaid on the page. The background shows a code editor with CSS code. The CSS code includes:

```
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: 20px;  
28 }  
29 </style>
```

The HTML code includes a yellow box containing a red box and a green box. The browser's taskbar shows the name "SALVINO" and the time "10:57 AM 4/20/2018".