



FRONT-END FOUNDATIONS

LEVEL 5

FONTS AND FORMS



Fonts on the Web

Fonts and font styles can be controlled with CSS.

bold, large → **Learn By Doing**

regular, medium → No setup. No hassle. Just learning.

regular, normal → Code School teaches web technologies in the comfort of your browser with video lessons, coding challenges, and screencasts.

smaller → Learn where to start!

uppercase → **VIEW OUR COURSES**

uppercase → **LEARN: GIT BACKBONE.JS SASS RAILS JQUERY**

A mockup of the Code School landing page with various font annotations. The main heading 'Learn By Doing' is in a large, bold, dark font. Below it is a line of text 'No setup. No hassle. Just learning.' in a regular, medium-sized font. To the left of this text is a video player showing a man with glasses and a play button icon. Below the text is a teal button with the text 'VIEW OUR COURSES' in white, uppercase letters. To the right of the button is a link 'Learn where to start!' in a smaller, regular font. At the bottom is a row of technology names: 'LEARN: GIT BACKBONE.JS SASS RAILS JQUERY'. The word 'RAILS' is highlighted in a darker box. Annotations with arrows point to these elements: 'bold, large' points to the heading, 'regular, medium' points to the line of text, 'regular, normal' points to the paragraph below, 'smaller' points to the link, 'uppercase' points to the button, and another 'uppercase' points to the 'RAILS' button in the footer.

Our current page's fonts

Since we haven't set a font, the browser is just picking a default.

Magic Cake

Magic Cake is one of the tastiest cakes the world has ever known. Few have tried it and lived to tell about it, and these are their stories.

We also need to stress that whatever happens to you as a result of consuming Magic Cake is your responsibility. You've been warned, and you can view our [legal page](#) for more information.

Ingredients

- 2 eggs
- 1 pound sugar
- 3 sticks of butter

Directions

1. Mix eggs, sugar, and butter in a large bowl.



Changing the font with CSS

The **font-family** property is used to set the ideal font and a few fallback options.

CSS

```
body {  
  font-family: Helvetica, Arial, sans-serif;  
}
```

The ideal font

The browser will try to load the ideal font first.



Changing the font with CSS

The fallback fonts are used if the ideal font isn't available.

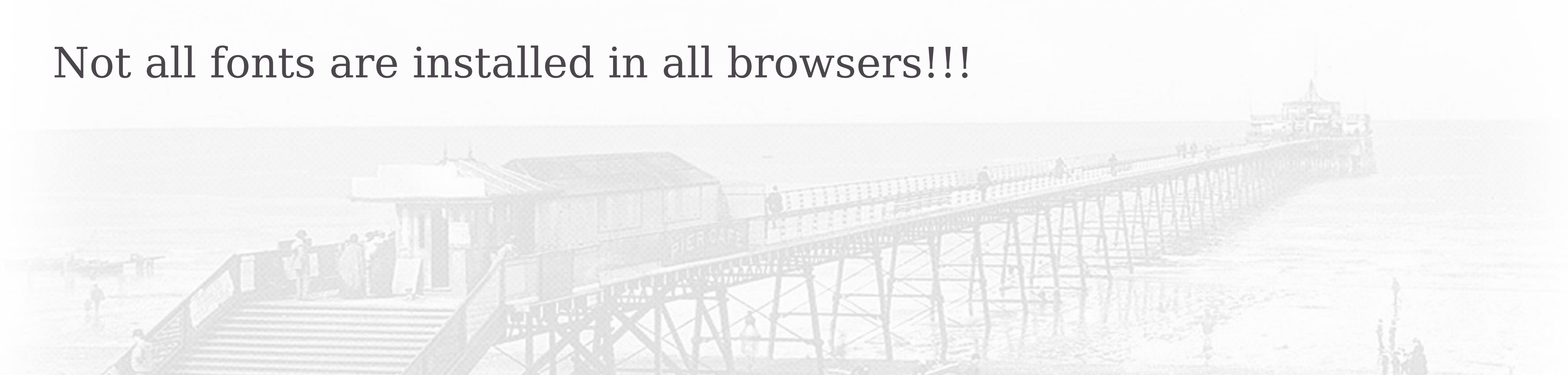
```
body {  
  font-family: Helvetica, Arial, "Times New Roman", sans-serif;  
}
```

use quotes if fonts are multi-word

CSS

Fallback fonts

Not all fonts are installed in all browsers!!!



Our page after changing the font

Here's magic-cake.html after changing the main font to Helvetica.

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Ingredients

- 2 eggs
- 1 pound sugar
- 3 sticks of butter

Directions

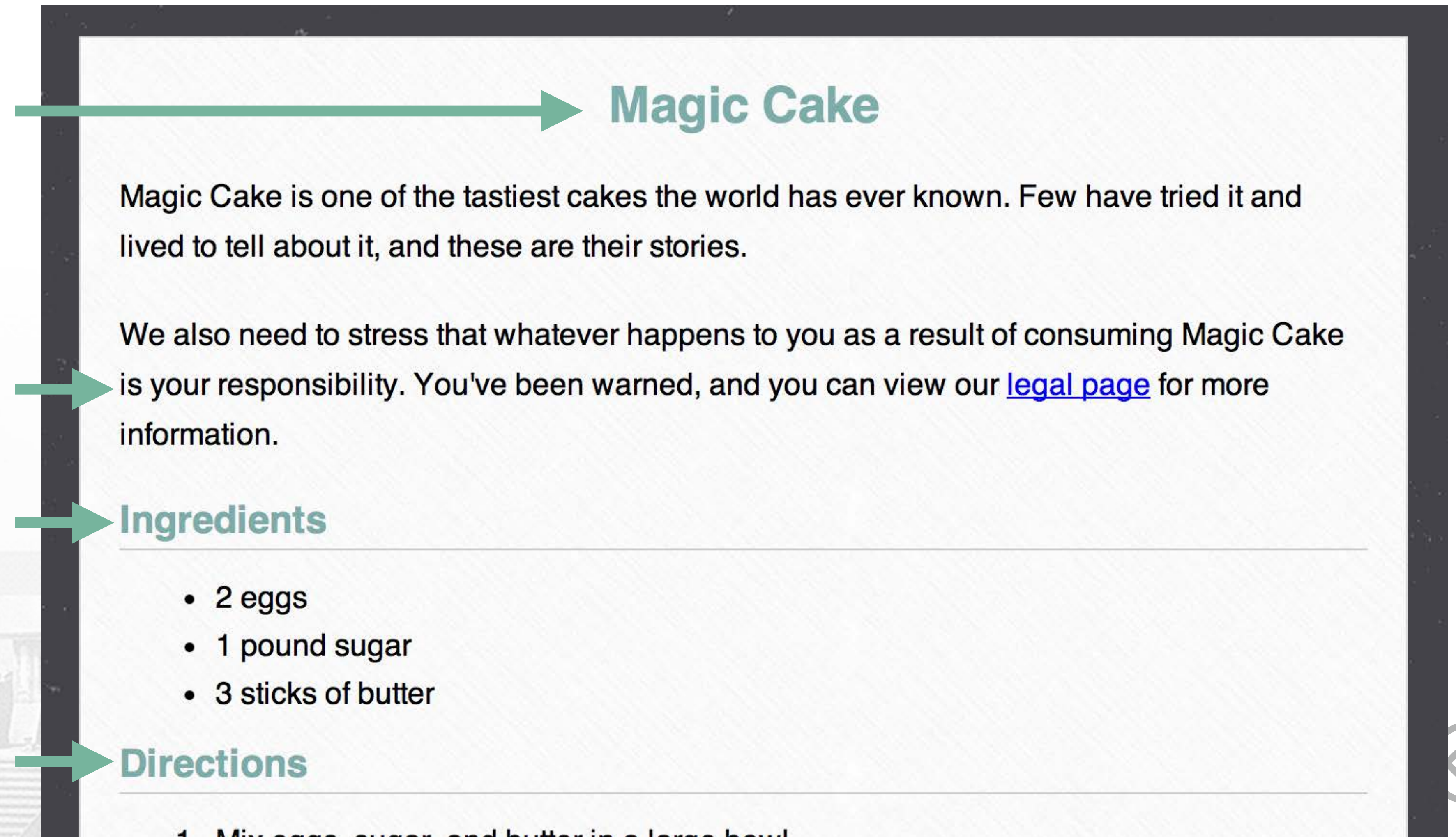
- 1 Mix eggs, sugar, and butter in a large bowl



Browser defaults - the font edition

Just like with the box model properties, the browser has default font styles - and you should reset these too!!

These weights and sizes are the browser defaults.



The screenshot shows a web page with a dark header and a light body. A green arrow points from the left text to the header title 'Magic Cake'. Another green arrow points from the left text to the first paragraph of the body. A third green arrow points from the left text to the 'Ingredients' section header. A fourth green arrow points from the left text to the 'Directions' section header. The page content includes a title, two paragraphs of text, a list of ingredients, and a directions section.

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Ingredients

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- 1 pound sugar
- 3 sticks of butter

Directions

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Resetting default browser font styles

Now the font weights and sizes won't follow an arbitrary default.

CSS

```
html, body, h1, h2,  
h3, p, ol, ul, li, a {  
  padding: 0;  
  border: 0;  
  margin: 0;  
  font-size: 100%;  
  font: inherit;  
}
```

Magic Cake

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Directions

1. Mix eggs, sugar, and butter in a large bowl

Changing font sizes

The size can be set with the **font-size** property.

CSS

```
h2 {  
  color: #7facaa;  
  margin: 0 0 20px 0;  
  text-align: center;  
  font-size: 26px;  
}
```

Magic Cake

the tastiest cakes the world has ever known. Fe
nd these are their stories.

Pixels aren't the only size options

percentages

ems



Changing font thickness

The thickness can be set with the **font-weight** property.

CSS

```
h2 {  
  color: #7facaa;  
  margin: 0 0 20px 0;  
  text-align: center;  
  font-size: 26px;  
  font-weight: bold;  
}
```

Magic Cake

tastiest cakes the world has ever known.
ese are their stories.

Weight values

normal lighter

bold bolder

100, 200... 900



Changing other font properties

Here's a few other font properties:

CSS

```
.footer p {  
  color: #aaaaaa;  
  text-align: center;  
  font-weight: bold;  
  font-size: 12px;  
  font-style: italic;  
  text-transform: uppercase;  
}
```

BEFORE

© 2014 - Recipe World

AFTER

© 2014 - RECIPE WORLD

HTML

```
<div class="footer">  
  <p>&copy; 2014 - Recipe World</p>  
</div>
```

← snazzy way to show a copyright symbol



Adjusting the line height

line-height is like margin for each line in a box.

You can adjust the vertical spacing between different text tags by changing the margin.

margin

Margin can't adjust the spacing between lines in a single box.

Magic Cake is one of the tastiest cakes the world has ever lived to tell about it, and these are their stories.

We also need to stress that whatever happens is your responsibility. You've been warned, and here is the information.



Adjusting the line height

line-height is like margin for each line in a box.

CSS

```
.main-content p {  
  line-height: 16px;  
}
```

Magic Cake is one of the tastiest cakes
lived to tell about it, and these are their

We also need to stress that whatever h
is your responsibility. You've been warn
information.

CSS

```
.main-content p {  
  line-height: 26px;  
}
```

Magic Cake is one of the tastiest cakes
lived to tell about it, and these are their

We also need to stress that whatever h
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information.





FRONT-END FOUNDATIONS



Web Forms

Forms are a way for a web page to get input from a user.

form →

Sign In

[Create Free Account](#)




EMAIL OR USERNAME *label*

PASSWORD

[Forgot Your Password?](#)

submit →

SIGN IN

Sign in with:   

Forms usually contain things like labels, inputs of several different types, text areas, and a submit button.



Recipe World's form

Disclaimer

Making forms actually process user input requires server-side code.

We can still design how the form will look in the browser now.

form

Suggest a recipe

Recipe Name

Ingredients

Your Name

Your Email

Get Newsletter? ☐

Submit the recipe

label

textarea

input

submit

The HTML for a simple form

This HTML will produce the form shown below (*but some extra attributes would needed to send the form data to the server*).

suggest.html

HTML

```
<form>
  <label>Recipe Name</label>
  <input type="text">
  <input type="submit" value="Click to Submit">
</form>
```

Recipe Name

label input submit



Common form input types

The **type** attribute sets the kind of input field that will display.

```
<input type="text">
```

```
<input type="checkbox">
```

```
<input type="radio">
```

```
<input type="file">
```

```
<input type="password">
```

```
<input type="submit">
```

User-typed text



Choose File No file chosen

.....

Submit



The for and id attributes

The value of the **for** attribute in the label should be the same as the value of the **id** attribute in an input field to associate the label and input.

Each for/id pair has to be unique on the page.

HTML

```
<form>
  <label for="recipe-name">Recipe Name</label>
  <input type="text" id="recipe-name">
  <input type="submit" value="Click to Submit">
</form>
```

this associates the label to the input

Recipe Name

Click to Submit



Using a textarea instead of an input

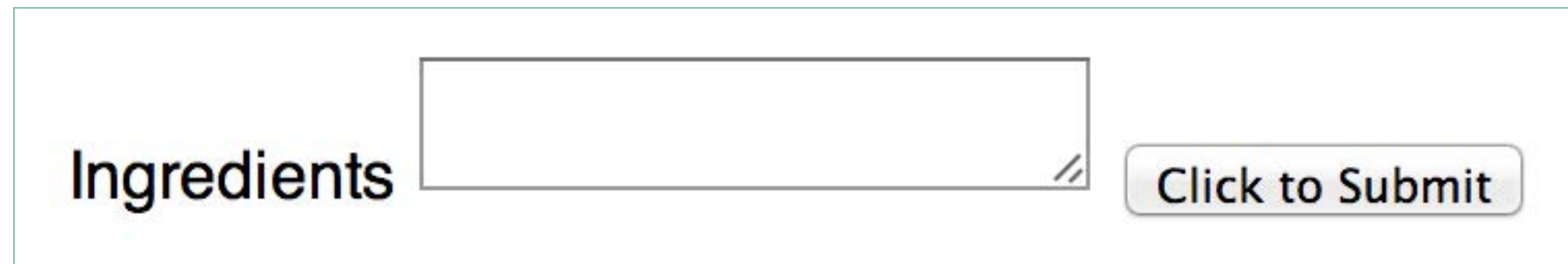
input tags should be used for short or single-line user input.

The **textarea** tag is used for multi-line user input.

HTML

```
<form>
  <label for="ingredients">Ingredients</label>
  <textarea id="ingredients"></textarea>
  <input type="submit" value="Click to Submit">
</form>
```

textareas also don't need to define a type



Unlike inputs, **textareas** need an opening and closing tag.



Styling forms

labels and **inputs** are inline-level tags, but it usually makes sense to display one on top of the other like block-level instead of side-by-side.

Before

Recipe Name

CSS

```
label, input {  
  display: block;  
}
```

After

Recipe Name



Styling forms

Once you've got both tags displaying as block-level, you can style them just like you would any other block-level tag.

CSS

```
label, input {  
  display: block;  
}  
label {  
  margin-bottom: 10px;  
}  
input {  
  width: 500px;  
  margin-bottom: 25px;  
}
```

Recipe Name

Your Name

Your Email

Click to Submit



Styling the submit button separately

Since the submit button is technically an input tag, our input selector properties are affecting the way it is displayed.

Attribute selectors are a way to style a tag based on one of its attributes.

CSS

```
input {  
  width: 500px;  
  margin-bottom: 25px;  
}  
  attrib. name      attrib. value  
  ↓                ↓  
input[type=submit] {  
  width: 120px;  
  font-size: 30px;  
}
```

Before

Your Email

Click to Submit

After

Your Email

Click to Submit



Styling inputs

The container around an input is actually just a border, so you can style it with the **border** property.

CSS

```
input[type=text] {  
  border: 2px solid #7facaa;  
}
```

Recipe Name

Magic Cake

Your Name

Jon Friskics



Styling inputs

To adjust the height of the input, style the text inside.

CSS

```
input[type=text] {  
  border: 2px solid #7facaa;  
  font-size: 24px;  
}
```

Recipe Name

Your Name



Styling inputs

And, since the green line is a border, use padding to put some space between the border and the text.

CSS

```
input[type=text] {  
  border: 2px solid #7facaa;  
  font-size: 24px;  
  padding: 7px;  
}
```

Recipe Name

Magic Cake

Your Name

Jon Friskics



Styling textareas

You can set a width and height for **textareas**, but otherwise the styles behave similar to regular inputs.

CSS

```
textarea {  
  width: 500px;  
  height: 400px;  
  padding: 7px;  
  border: 2px solid #7facaa;  
  margin-bottom: 25px;  
  font-size: 24px;  
}
```

Ingredients



Creating a separate style for a checkbox input

It looks awkward if the newsletter **label** and **input** are on separate lines since the checkbox is so small, so we can use attribute selectors again to make just this input and label display inline.

HTML

```
<form>
  <label for="newsletter">Get Newsletter?</label>
  <input type="checkbox" id="newsletter">
  . . .
</form>
```

Before

Get Newsletter?

☐

CSS

```
input[type=checkbox], label[for=newsletter] {
  display: inline;
}
```

After

Get Newsletter? ☐



The final form

Suggest a recipe

Recipe Name

Ingredients

Your Name

Your Email

Get Newsletter? ☐

Submit the recipe

