

Styling and formatting text

All Code Clubs must be registered. Registered clubs appear on the map at codeclubworld.org - if your club is not on the map then visit jumpto.cc/18CpLPy to find out what to do.

Introduction:

In this session we are going to learn how to style text with different fonts, colours and sizes. We'll also learn how to add background colours and borders. We will be using the same project you worked on last time, so make sure you open the `index.html` from the Felix folder.



Activity Checklist

Follow these **INSTRUCTIONS** one by one



Test your Project

Click on the green flag to **TEST** your code



Save your Project

Make sure to **SAVE** your work now

Step 1: Fonts

We can change the look of the text by changing the font. The most common fonts are called

- ☐ Arial
- ☐ Courier New, Courier
- ☐ Garamond
- ☐ Georgia
- ☐ Lucida Sans, Lucida Grande, Lucida
- ☐ Palatino Linotype
- ☐ Tahoma
- ☐ Times New Roman, Times
- ☐ Trebuchet
- ☐ Verdana

Not all fonts exist on all computers, so we need to provide fall-back fonts as well. These are very generic like 'sans serif', 'serif'.

Let's try changing the font of the headline using the `font-family` property.

```
h1 {  
  color: red;  
  background-color: black;  
  font-family: impact, sans-serif;  
  font-size: 72px;  
  text-decoration: underline;  
  text-transform: uppercase;  
}
```

And the font of the paragraphs...

```
p {  
  font-family: Georgia, 'Times New Roman', serif;  
}
```





Save and view.

Try some of the different fonts to see which ones you like best. Notice how we separate each font with a comma, and if the font has a name with more than one word we need to put it inside quotation marks.

Which of the fonts we mentioned do you think looks best? Which one do you think is easiest to read?

Do you have other fonts on your computer than the ones mentioned? (you probably do). Try opening a program like Word or Pages, all the fonts stored on the computer can usually be found there.



Find one you like and try it out on the website!

You can make text bold, italic or both with the font-style property. Let's change the email text (remember it's inside an `<a>` tag).

```
a {  
  font-style: bold;  
}
```



Save and view.

Or we could make it italic.

```
a {  
  font-style: italic;  
}
```



Save and view.

There's also a font-style value called 'oblique'. What does that look like?

We can even say how bold some text should be using the property `font-weight`. It takes the values `normal`, `bold`, `bolder`, `lighter`. You can also use numbers, 100, 200, 300, 400, 500, 600, 700, 800, and 900, where 100 is the thinnest text and 900 is the thickest (boldest text). Normal text is the same as 400, bold is the same as 700. However, not all the fonts have all these, so it's safer to just use normal and bold. Headlines are normally bold by default. If we wanted our `h2` to not be bold, we need to write:

```
h2 {  
  font-weight: normal;  
}
```

Try it!

Step 2: Borders!

Let's add a border around the image

```
img {  
  border-color: green;
```

```
border-style: solid;
border-width: 5px;
}
```



Save and view.

Try changing the color, width and border-style until you are happy. Some values for border-style are `dashed`, `dotted`, `double`, `groove`, `ridge`, `inset`, `outset`.

You can put borders around all kinds of elements, why not try a few more.

Step 3: IDs and classes

We want to make the contact paragraph highlighted. We can't use the `<p>` tag because that would change all the paragraphs. To make a style apply only to one element, we use something called IDs. We need to edit the html to this:

```
<p id ="highlight">Have you seen Felix? <em>Please</em> contact his
owners at <a
href="mailto:felixowners@email.com">felixowners@email.com</a></p>
```

Then we can style the ID like so:

```
#highlight {
  color: red;
}
```



Save and view.

An ID is unique and can only be used once per page. So what if we wanted to make two of the paragraphs have a larger font-size? We can do that by using classes. First we need to give class names to the paragraphs we want changing.

```
<p class="large">He went missing from the garden yesterday.</p>
<p class="large"><strong>Thank you!</strong><p>
```

we style a class like this (with a `.` instead of a `#`):

```
.large {
  font-size:24px;
}
```

Further study:

- ☐ How would you change the page to make it look better? Why not try using your favourite fonts and colours?
- ☐ If you finish early you can go back and style the html like we did in previous lessons.
- ☐ By the way, did you know that the background property does not only take values that are colours, but also images?