Introduction

In this project, you’ll learn how to use HTML and CSS to create a multi-page magazine website with a two page layout. You’ll also revisit lots of HTML and CSS techniques from other projects.

Step 1: Heading and Background

Magazine-style websites often have lots of small items on a page. First you’re going to create a heading and background for your magazine.

✔️ Activity Checklist

☐ Open this trinket: jumpto.cc/web-magazine.
The project should look like this:

```html
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <h1>My Magazine</h1>
  </body>
</html>
```

☐ Let's add a heading.

You can think of a better title for your magazine.

```html
<body>
  <h1>My Magazine</h1>
</body>
```

☐ Can you style the heading?

Here's an example, but you can choose your own style:

```css
h1 {
  text-align: center;
  color: white;
  background: teal;
  padding: 5px;
}
```

☐ Now let's create an interesting background using a gradient and choose a font for the magazine.

Here's some example style as a reminder of how to create a gradient:

```css
body {
  background: linear-gradient(to bottom right, lemonchiffon, white);
  padding: 15px;
  font-family: Verdana;
}
```

Save Your Project

Step 2: Creating Columns

Websites often use multiple columns. Let's create a two column layout for your magazine.
Activity Checklist

First create two column divs.

Add the highlighted HTML to `index.html`:

```html
<h1>My Magazine</h1>

```

First create two column divs.

Add the highlighted HTML to `index.html`:

```html
<h1>My Magazine</h1>

```

Now style the column divs so that one floats to the left and the other floats to the right.

```css
.column1 {
  width: 48%;
  float: left;
}

.column2 {
  width: 48%;
  float: right;
}
```

Each column is less than 50% so there's room for padding.

You'll need to add something to a column to see the effect.

Let's add a kitten picture to the top of column 2.

```html
<div class="column2"
  style="text-align: center"
>
  <img src="kitten.jpg"
  />
</div>

</body>
</html>
```

Notice that the kitten image is positioned about half-way across the page, in the second column.
It’s a bit big though!

Let’s use `max-width:` to make images fit within their container.

Add the following style to `style.css`.

```css
img {
  max-width: 100%;
}
```

This will apply to all images you use in your magazine, not just the kitten.

Now add a class `photo` to the image so that you can style it:

```html
<div class="column2">
  <img class="photo" src="kitten.jpg"/>
</div>
```

And style the image to add a shadow and a twist to make the photo pop out of the page:

```css
.photo {
  box-shadow: 4px 4px 4px grey;
  transform: rotate(10deg);
}
```

Make some changes until you like the result.

**Step 3: Style magazine items**

Let’s make the layout a bit more interesting.

✅ **Activity Checklist**
Add a `<div>` around your image with a `class` and add a `<h2>` heading:

```
<div class="column2">
  <div class="item">
    <h2>Cute Kitten!</h2>
  </div>
</div>
```

Now style the item and heading.

Here's an example, but you can make changes:

```
.h2 {
  color: white;
  background: teal;
  padding: 5px;
  margin: 0px 0px 10px 0px;
  box-shadow: 2px 2px 2px gray;
  text-align: center;
}

.item {
  padding: 10px;
  margin-bottom: 10px;
  border: 3px dashed teal;
}
```

Save Your Project

Challenge: Add items to the left column

Can you add a ordered list and a gradient text sticker to the left column?

Here’s an example:
This is the code for the example, but you can change it or come up with your own.

**HTML:**

```html
<div class="column1">
  <div class="item">
    <h2>Top 5 Cakes</h2>
    <ol>
      <li>Chocolate Eclair</li>
      <li>Victoria Sponge</li>
      <li>Iced Bun</li>
      <li>Lemon Drizzle</li>
      <li>Hot Cross Bun</li>
    </ol>
  </div>
  <div class="item">
    <h2>Cute Kitten!</h2>
    <img src="kitten.jpg" alt="Cute Kitten">
  </div>
  <div class="sticker" id="robots">I <3 Robots</div>
</div>
```

**CSS:**

```css
#robots {
  font-size: 30px;
  color: white;
  background: linear-gradient(green, yellow, orange, red, purple, blue);
  padding: 30px;
  border-radius: 5px;
  text-align: center;
}
```
Step 4: Add a second page

Let’s add another page to your magazine website.

☐ Activity Checklist

☐ Add a new page to your project and name it `page2.html`:

```
<html>
<head>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <h1>My Magazine</h1>
  <div class="column1">
    <div class="item">
      <h2>Top 5 Cakes</h2>
      <ol>
        <li>Chocolate Eclair</li>
        <li>Victoria Sponge</li>
      </ol>
    </div>
  </div>
</body>
```

Notice that both pages use the same `style.css` so they will share styles.

☐ Change the `<h1>` title for page2:
Now you’ll need links between your pages to you can get to page 2 and back to the front page.

Go back to `index.html`. Add a link inside a div in column 2 in `index.html`:

```html
<div class="column2">
  <div class="item">
    <h2>Top 5 Cakes</h2>
  </div>
</div>
```

Test that you can click on your new link and move to page 2 of your magazine.

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**Challenge: Add a link back to the first page**

Can you add a link to `page2.html` so that you can click on it to get back to the first page?

Hint: Look at the HTML you used to create a link to page 2.
Challenge: Fill in your second page

Here’s the code for the examples, but you can change the `div` elements or come up with your own ideas.

Click the images icon to see the images that are available to use:

Remember that you can upload your own images to use. Make sure you have permission to use any images that you upload.
Step 5: Add an animation

Let’s add a fun animation to your magazine.

✅ Activity Checklist

☐ Go to [index.html](index.html) and include the greenrobot.png image at the top of your page.

```html
<body>

<img id="greenrobot" src="greenrobot.png">

<h1>My Magazine</h1>

<div class="column">
  <div class="item">
    <h2>Top 5 Cakes</h2>
    <ol>
      <li>Chocolate Eclair</li>
      <li>Victoria Sponge</li>
      <li>Iced Bun</li>
      <li>Lemon Drizzle</li>
      <li>Choux Pastry</li>
    </ol>
  </div>
</div>

#greenrobot {
  height: 100px;
  position: absolute;
  left: -200px;
  animation: slide 10s infinite;
}

@keyframes slide {
  0% { left: -200px }
  50% { left: 0 }
  100% { left: -200px }
}
```

☐ Now add the CSS to animate your robot:

Challenge: Add another animation
Can you add an animation to the second page of your magazine?