

# First Project: Advanced HTML and CSS

Sprint 1

Stage 2. Positioning Elements

# Introduction

You're now ready to take on the second stage of your first project. Although it only consists of two tasks, they are more complex than the ones found in the first project stage, so you should allow up to 3 hours to complete them.

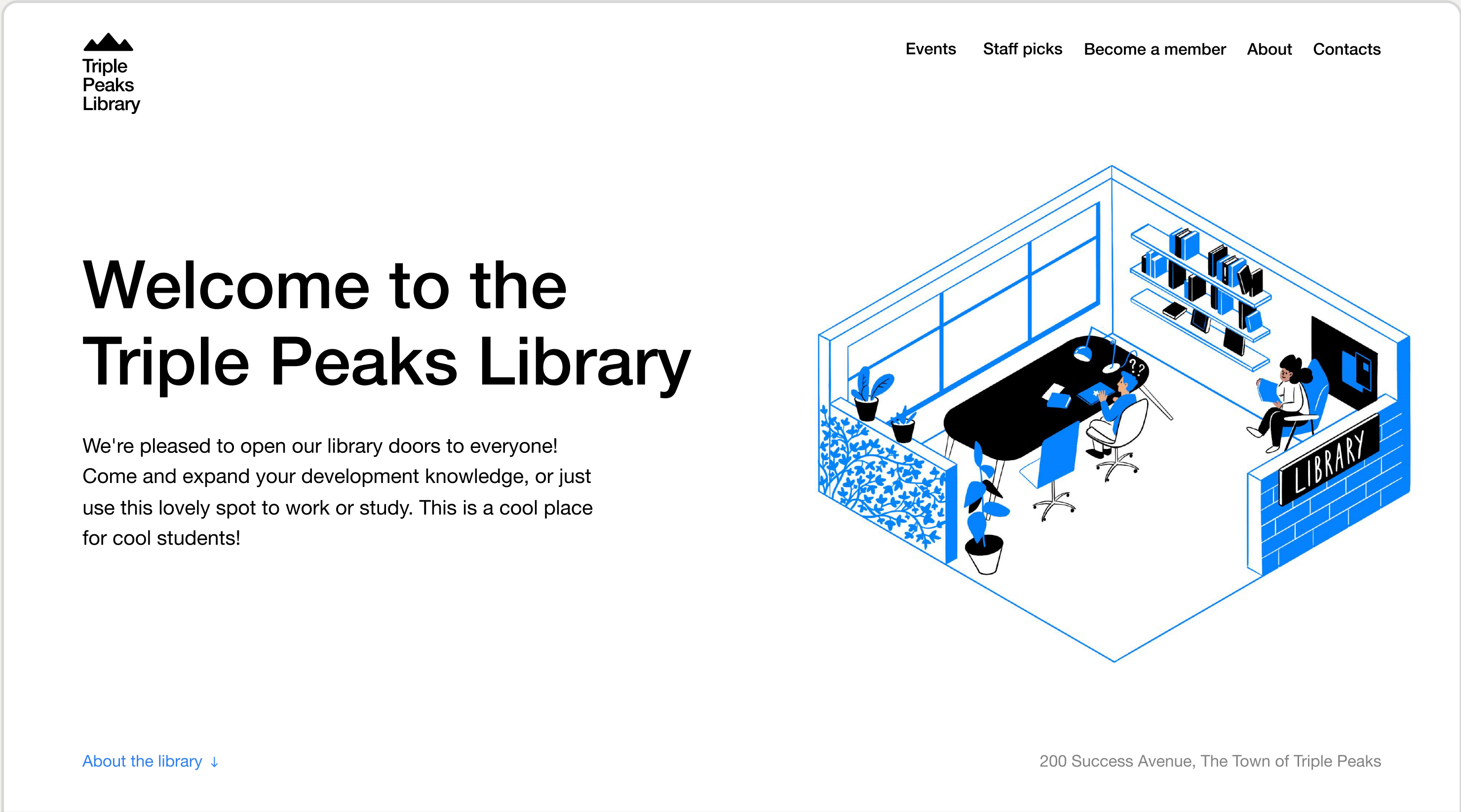
# Table of contents

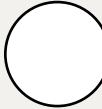



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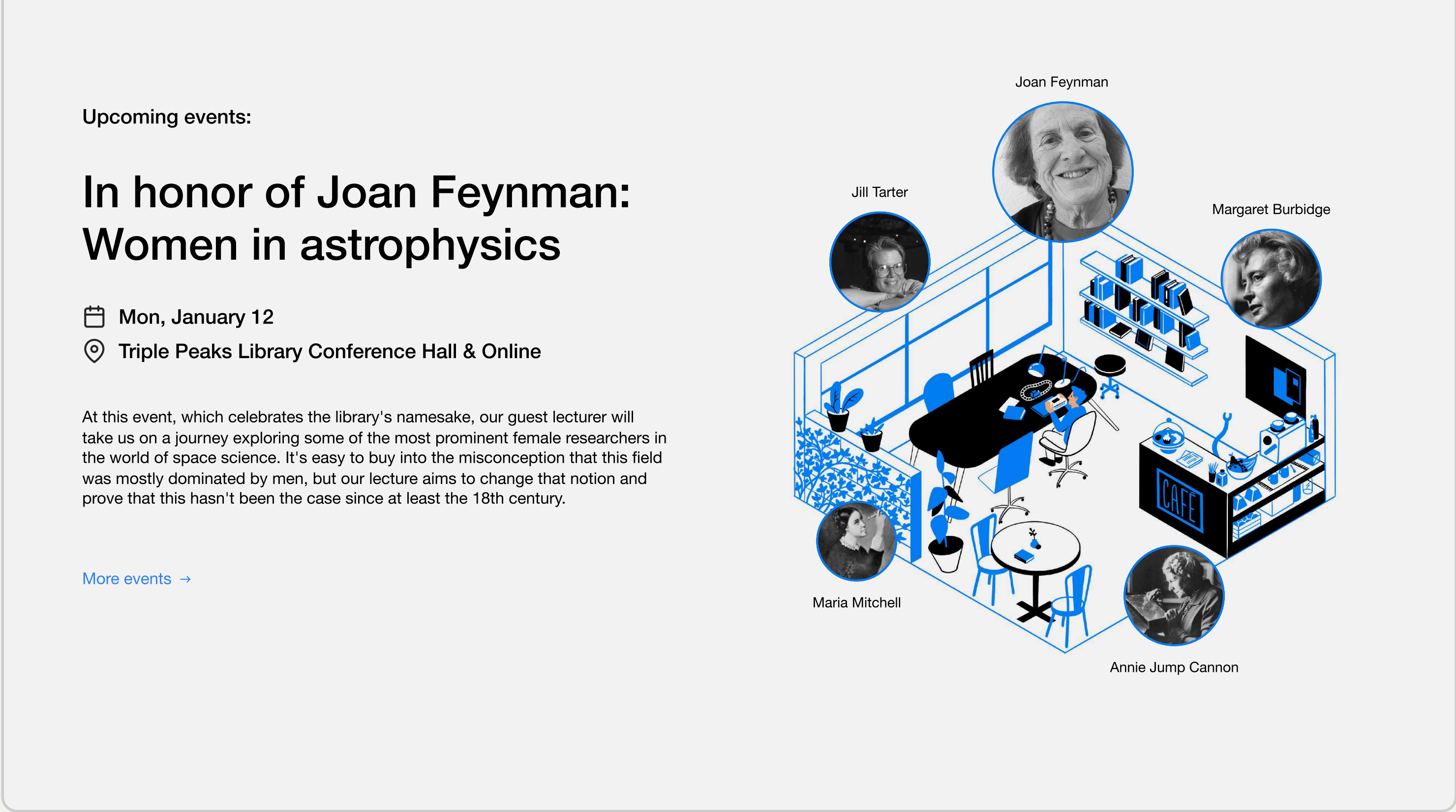
# Stage 2 Overview

In this stage of the project, you'll finish your webpage's header and the next section on the page: the events section. Here's what your project will look like at the end of this stage:

Make sure to copy the starting CSS styles from the project page on the platform before proceeding.



-  #ffffff (main background, contrast font color)
-  #000000 (main font color)
-  #f2f2f2 (contrast background)
-  #2f80ed (links, accents)





## 1. Finishing the header



# Welcome to the Triple Peaks Library

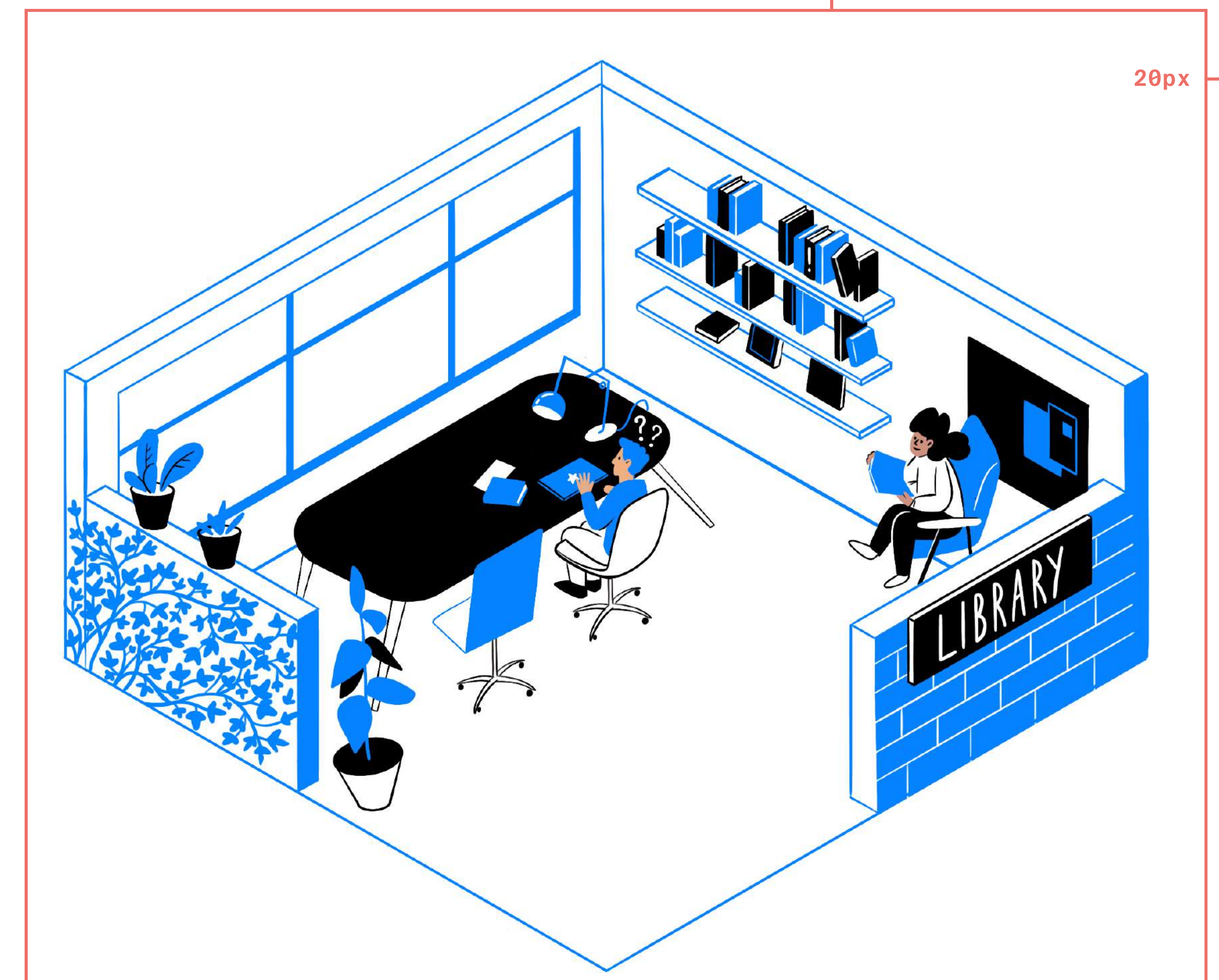
We're pleased to open our library doors to everyone!  
Come and expand your development knowledge, or just  
use this lovely spot to work or study. This is a cool place  
for cool students!

[About the library](#) ↓

Events Staff picks Become a member About Contacts

135px

header\_\_image element max-width: 636px



20px

200 Success Avenue, The Town of Triple Peaks

Your header needs a design, and now you know how to position it! First, uncomment the element in the HTML. Then in the CSS file, use the `position` property with the value of `absolute` to place the image (`header__image`) as shown in the design. Don't forget to add a `max-width` to the image to restrict its size to what's shown in the image.



## 2. The events section

Upcoming events:

# In honor of Joan Feynman: Women in astrophysics

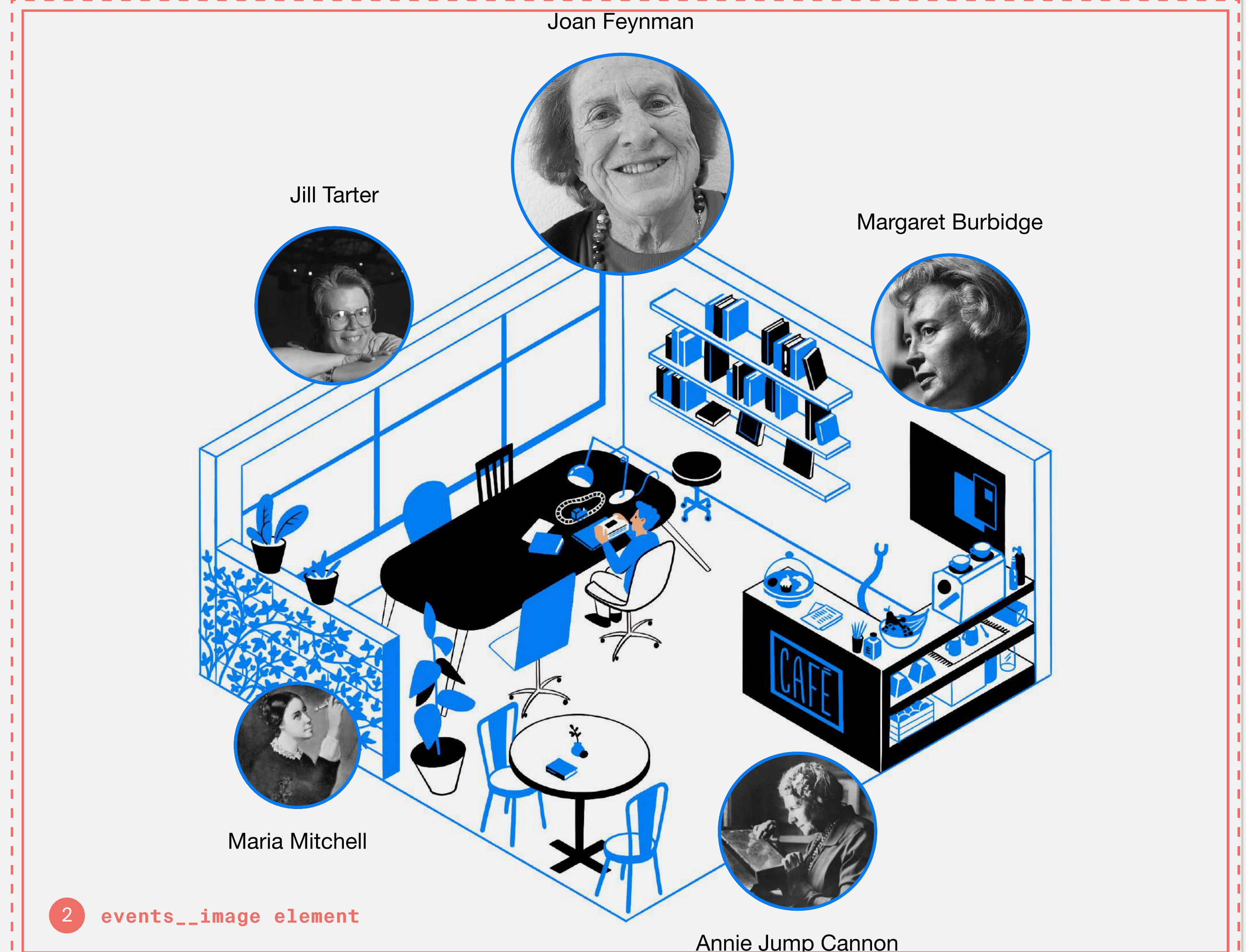
📅 Mon, January 12

📍 Triple Peaks Library Conference Hall & Online

At this event, which celebrates the library's namesake, our guest lecturer will take us on a journey exploring some of the most prominent female researchers in the world of space science. It's easy to buy into the misconception that this field was mostly dominated by men, but our lecture aims to change that notion and prove that this hasn't been the case since at least the 18th century.

[More events →](#)

1 wrapper: events\_\_cover element



2 events\_\_image element

To get started on the `events` section, first, you'll need to uncomment the code inside the corresponding `<section>` tag. After that, copy the CSS code that we provided in the project description into `styles/style.css`. Make sure to copy the new CSS below the existing Stage 1 code.



### Pro tip:

To uncomment a block of commented code, select it and use **Ctrl + /** (or **Cmd + /** on macOS).

Now, if you open your page in the browser, the events section should appear below the header, as shown below.

But it still needs to be finished: it needs the illustration from the design. Of course, it would be possible to insert it all in one picture, but let's practice positioning and use it to implement a complex composition.

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[More events →](#)

Let's work on it step by step:

1. In `index.html`, find where the `events__content` element ends. Right after it, add a new `events__cover` element with a `<div>`. We have the rule prepared in the CSS; uncomment it. You'll be creating all the elements inside it.

2. Add the `cafe.png` image that's already in the `/images` folder. Add an alt text and assign it the `events__image` class. Find the corresponding selector in `style.css`. Uncomment its contents and see how the appearance changes.



Upcoming events:

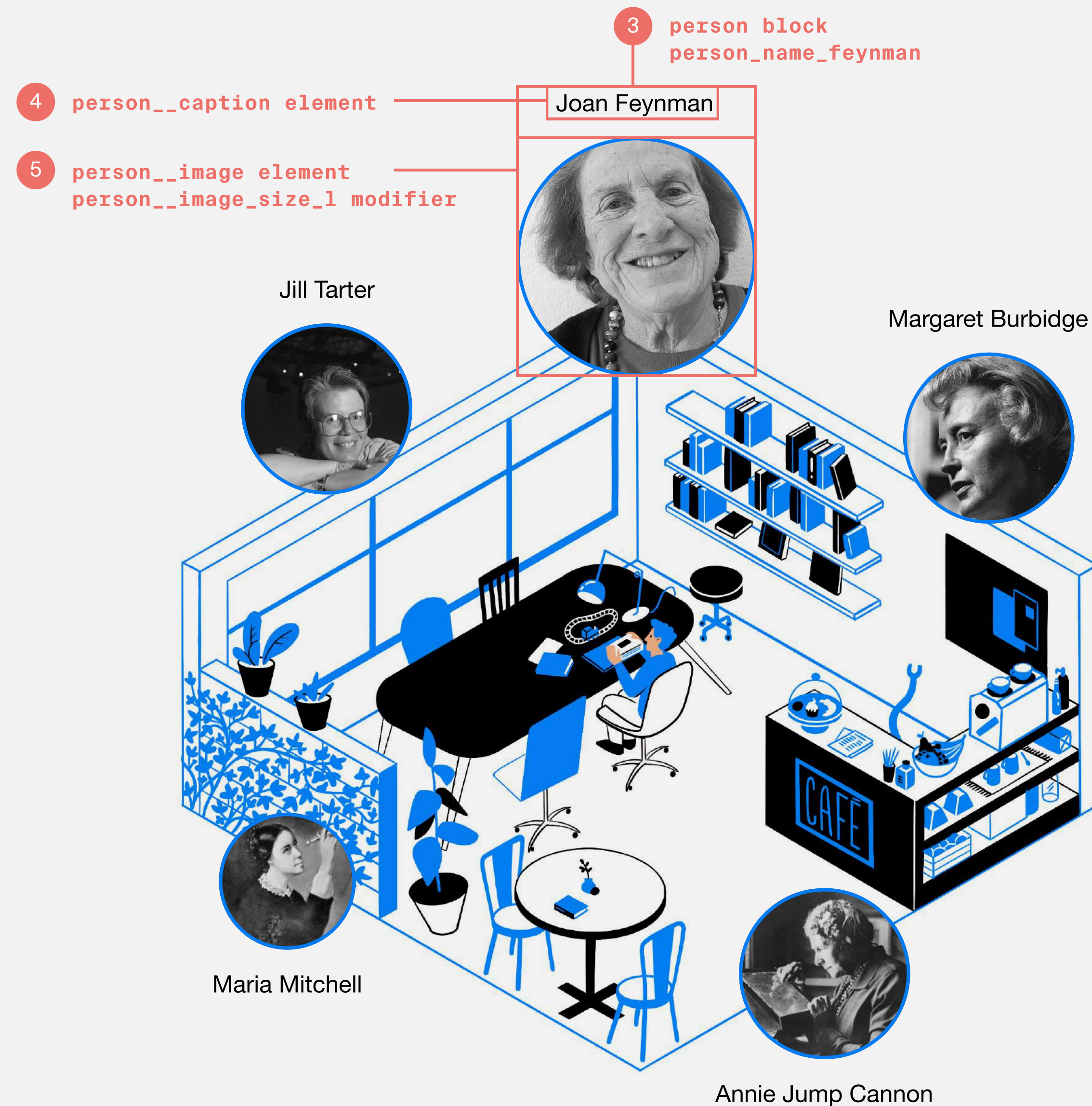
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[More events →](#)



3. Next, we'll work on the wrapper for a person's photo and inscription. Let's start with Joan Feynman. Right after the image, create a `<div>` with two classes: `person` and `person_name_feynman`. In the CSS file, uncomment the `person` class and see what happens.

## ! Pro tip:

Make sure that you place your `person` elements inside the `events__cover` block. Otherwise, they will not be positioned with respect to the correct parent container.

4. Inside this new block, add a paragraph saying "Joan Feynman" and assign it the `person__caption` class. Uncomment the corresponding styles.

5. After the paragraph, add Feynman's photo. It's already in the `/images` folder. Add an alt text and assign it two classes: `person__image` and the modifier `person__image_size_l`. Uncomment the styles of these selectors and try to understand why we need three different classes. Next, uncomment the styles of the other two modifiers: `person__image_size_s` and `person__image_size_m`. Note that the Joan Feynman image is larger than the other images, while the Maria Mitchell image is smaller.



Upcoming events:

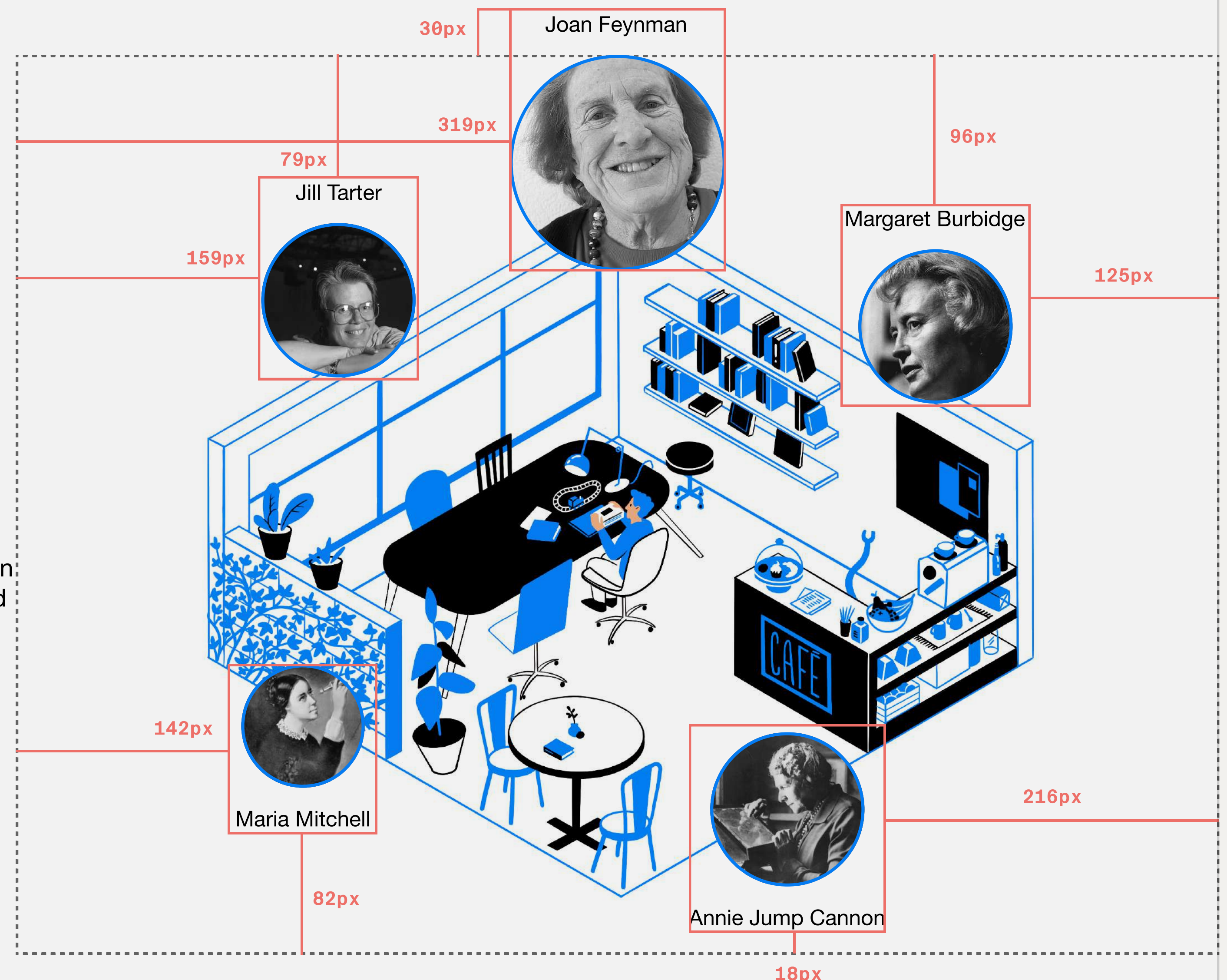
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[More events →](#)



6. Use the correct values of the `top`/`right`/`bottom`/`left` properties in the `person_name_feynman` class to place the block according to the design.

## ! Pro tip:

Note that the `events_cover` container has `position: relative` set on it. What happens when you remove this property? This happens because absolutely positioned elements are positioned with respect to their closest ancestor with a non-default `position` value.

7. Repeat steps 3-6 using the appropriate classes and modifiers for the other people: Margaret Burbidge, Annie Jump Cannon, Maria Mitchell, and Jill Tarter. Notice that the paragraph is sometimes placed before the image but comes after the image at other times, and add the HTML elements accordingly. All the styles have been prepared for you, except those starting with `person_name_`. Use them to position all the badges according to the design.



