CSS layout exercises

The following exercises aim to make you more familiar with layout and flexbox. They also aim to give you more practice with the Git version control system.
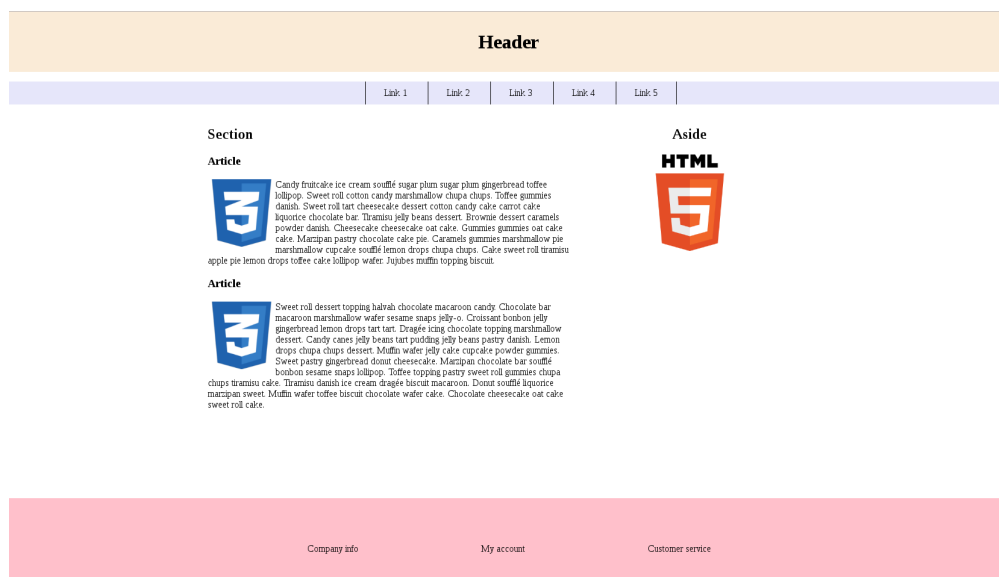
Exercise 1

You may use the "css-exercises" repo that you created in previous exercises or create a new repo for the following exercises. Don't forget to add your changes, commit them, and then push them to your repository.

1. Open the repo folder in **WebStorm**.

2. Add a simple HTML page with a section containing two articles.

3. Try using the different values for `position`:

   - `fixed`
   - `relative`
   - `absolute`
   - `static`
   - `sticky`

4. Make examples of all the above and explain to a classmate the difference between them.

Exercise 2

You may use the "css-exercises" repo that you created in previous exercises or create a new repo for the following exercises. Don't forget to add your changes, commit them, and then push them to your repository.

1. Open the repo folder in **WebStorm** if you have not done so.
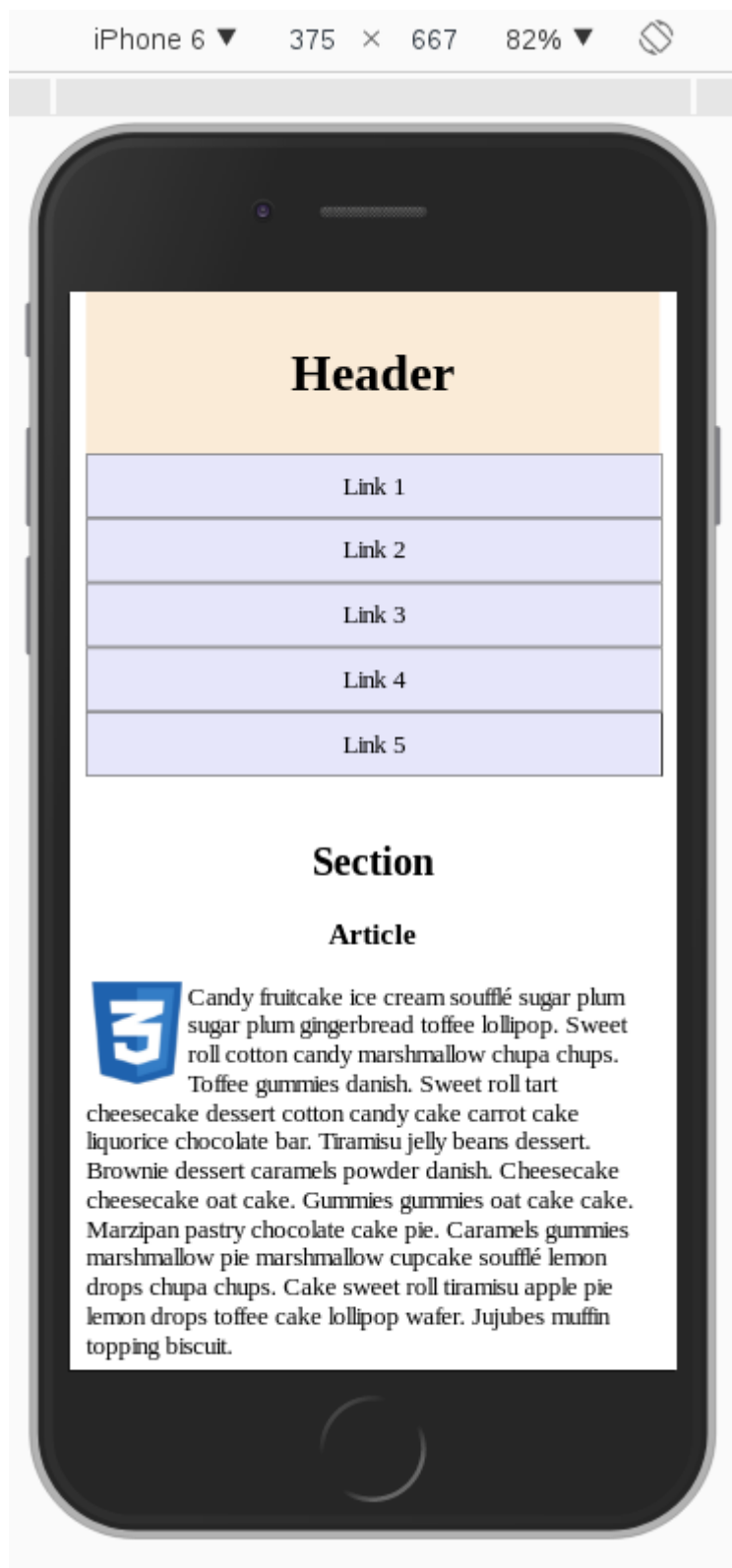
2. Recreate the page below:

The **header** and **footer** should span the entire page width. The contents of them should be **centered**, both **vertically** and **horizontally**. The text in the © Edument 2017

articles should **wrap around the images**. In the footer, there should be three articles, which should all be **centered** both **vertically and horizontally**. The **main** content should have a fixed width.
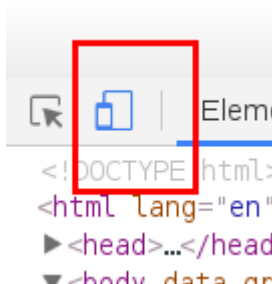
Stretch task

Make the page from the previous exercise responsive! It should look something like this:

There is device toggle in the upper left corner of Chrome developer tools:

Use it to see how your page looks on different devices.

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You will need to use **media queries** for this: https://developer.mozilla.org/en-US/docs/Web/CSS/Media_Queries/Using_media_queries
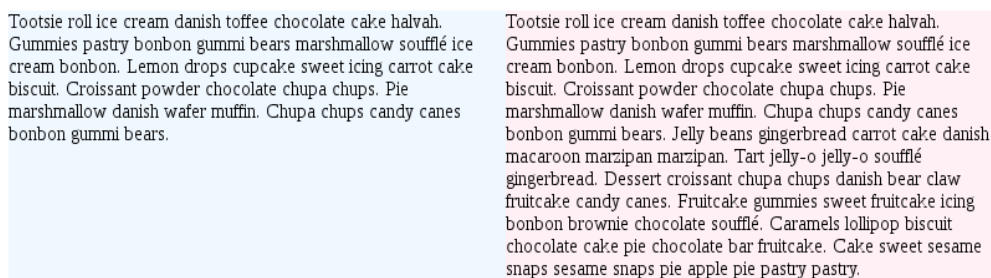
Some pointers:

- The **main** section should be full width
- Make sure to handle all **floating** elements correctly, either by clearing them or setting them to none
- You will also need to use the **viewport meta tag**
- Experiment yourself first, but if you get stuck then **go googling**!

CSS flexbox exercises

Flex box exercise

We mentioned **columns of equal height** before:

More specifically, we mean

- Two columns who **both extend to the bottom of their parent**
- The **longest column decides the height of the parent**

As previously stated, this is **very difficult with regular CSS**.

But, **rather easy with Flexbox**, which is what I used to create the screenshot!

And now, of course it is your turn to **recreate the screenshot using HTML and CSS**!

Some pointers:

- I got the **text** from http://www.cupcakeipsum.com/
- The **structure** should just be a section with two articles inside (a div with two divs inside is fine too)
- You will **need to play with `flex` on the children**
- Experiment yourself first, but if you get stuck then **go googling**!

Stretch task

Recreate the screen shot below!

Some pointers:

- Use vh to set a height on the body
- The main content should take up more space than the sidebar
- Use **media queries** to make your page responsive
- Feel free to add some additional CSS and content to make your page shine!

Material feedback

We continuously strive to improve our course material. If you have found typos, bugs, experienced the exercises to be unclear or if you have other suggestions on how we could improve our course material, please visit the following link and fill out a short for this module survey:

https://www.surveymonkey.com/r/3PCXSXT

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