

Web Technology Project (International Computer Science)

Exercise sheet 3 — HTML and CSS

Deadline Exercise 3.1 and 3.1: 25 April 2025

Deadline Exercise 3.3: 02 May 2025

Exercise 3.1 (HTML)

Create a new IntelliJ *module* ex03 in your exercises repository. Copy the files provided below the sheet from the ELO course, making sure that image files are located in a folder fig. Open index.html in the editor and preview it in the browser.

Extend the HTML file so that its contents get rendered as follows:

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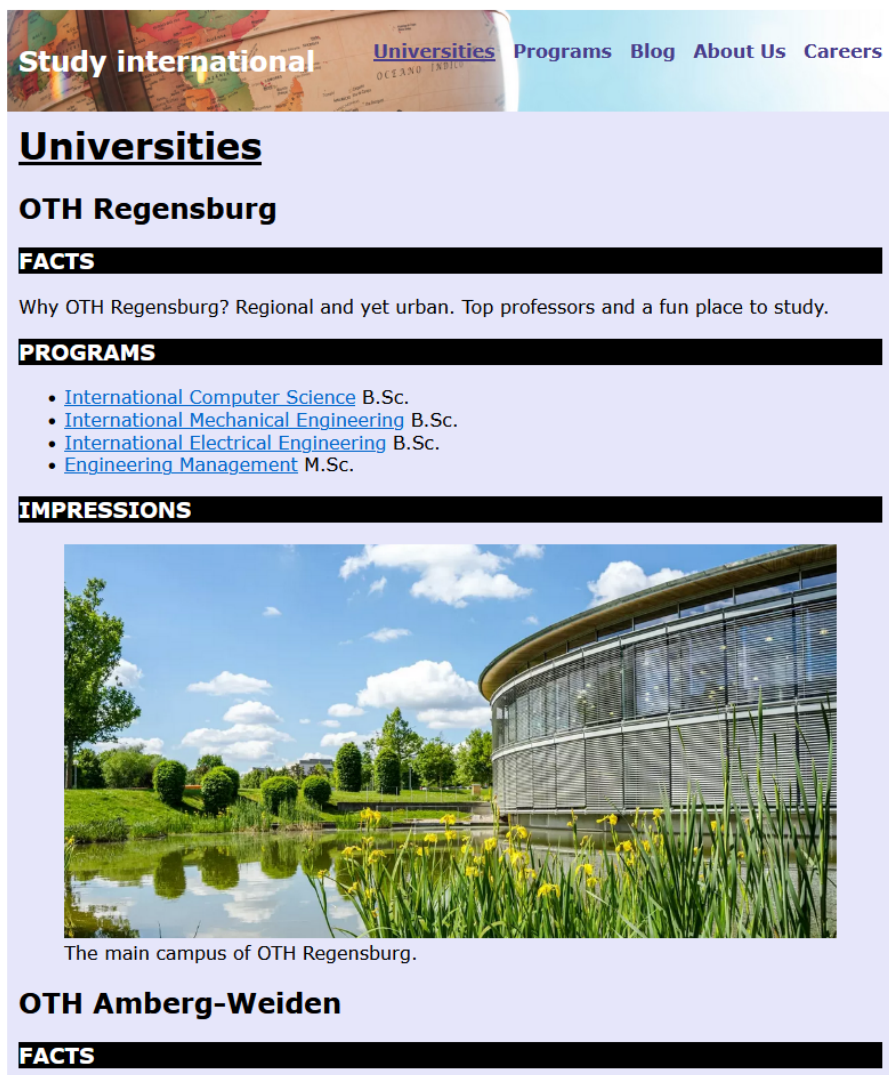
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Exercise 3.2 (CSS)

Include a style sheet `style/style.css` in your HTML file. Try to reproduce the following layout (rendered with device width 810px):



Use the following CSS snippet as starting point:

```
1 body {
2     font-family: "Verdana", sans-serif;
3 }
4
5 header {
6     background-image: url("../img/international.png");
7     background-size: cover;
8     background-position: center;
9 }
10
11 header ul li a {
12     color: darkslateblue;
13 }
14
15 main {
16     background-color: lavender;
17     padding: 10px;
18 }
19
20 div.responsive img {
21     width: 100%;
```

```

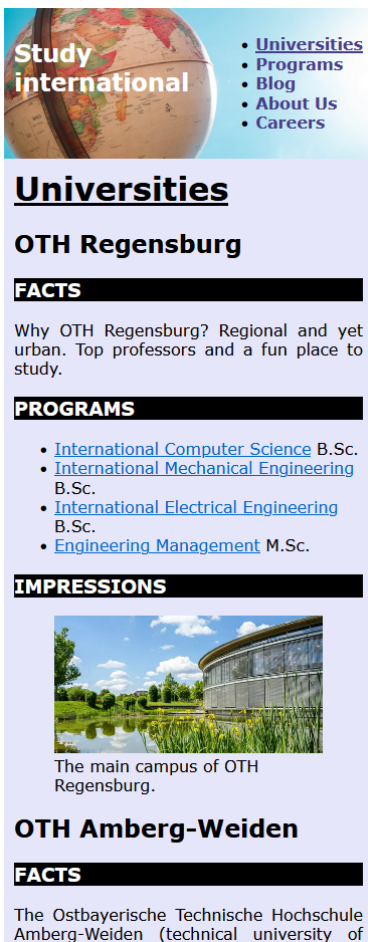
22 }
23
24 footer {
25     padding: 10px;
26     background-color: maroon;
27     font-style: italic;
28     color: white;
29 }

```


Exercise 3.3 (Responsive CSS)

Introduce two *flex layouts* to make both the menu and the sections of the article respond to changes in device width. For screen sizes below 800px, the menu items should be placed below each other and rendered with bullet points. For screen sizes above 1000px, the sections of an article are supposed to be rendered in a single row. The following screenshots show the expected layout for different screen sizes:

Screen width: 400px



Screen width: 600px



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Screen width: 1000px



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5