Web design – Computer lab 4

Ing. Pavol Dubovec

Brno University of Technology, Faculty of Information Technology
Božetěchova 1/2, 612 00 Brno – Královo Pole

idubovec@fit.vut.cz

March 10, 2025

- Lab 4 – section CSS
- Lecture 4 – CSS
- MDN – CSS
- W3Schools – CSS
- HTML tables generator
- CSS selector game
- Flexbox guide
- Grid guide
- Gradient guide

1. Start from the document you have created in the previous lab (lab 3).
2. Find lab 4 on the labs website.
3. You can make minor changes to the HTML code after consulting with the teacher assistant.
4. Make style changes only in the external style sheet (CSS file).
5. Change and update the style sheet so that the resulting page layout is close to the following image.
6. Download the zipped images needed for this lab if you have not already done so in the last lab (`itw_cv3.zip`).
7. The result should be tested using a CSS validator.
8. It is important to note that the primary focus of this laboratory is not on responsiveness.

1. **Using floats** – the original principle
   - the block is set to a fixed value,
   - need to create div wrappers in html,
   - the parent must set `overflow:   hidden`.
2. **flexbox**
   - suitable for positioning in one dimension,
   - need to create div wrappers for rows or columns,
3. **grid**
   - advantageous for 2D positioning,
   - no need to create any div wrappers (only one parent)
   - design a grid and then place all children in it.

- **Fonts used:** Arial, Helvetica, . . . (generally font from sans serif family).
- **Colors used:**
  - #656565 - grey,
  - #b15e23 - light brown on light background,
  - #d5a17c - light brown on dark background,
  - #3c1f0a - dark brown, white, black.
- **Content width:** 960 pixels.
- **Middle part** of the page divided into **two columns**, **left column** about **20% larger** than the **right column**.
- Lectures section is divided into **two columns** of **equal width**.
- The image for each lecture **is to the left** of the title and the description text.
- The right column has a background with a **gray gradient**.

- Wrap the **description text** and **title** of each **lecture** in a common block.
- Wrap the **description text** and **image** of each **exercise** in a common block.
- Wrap the **Lecture**, **Exercises**, and **Results Overview** sections into a **separate divs**.
- Add a **separate div** after the div wrapping the **Exercise section**.
- Apply the same procedure as in the previous three points to the **footer of the page**, i.e. to the „Contact us" and „Related subjects" sections.
- Wrap **all content** in one or two divs to define **the width of the content**.