

# Web Design - Computer lab 2

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## During semester you have two options:

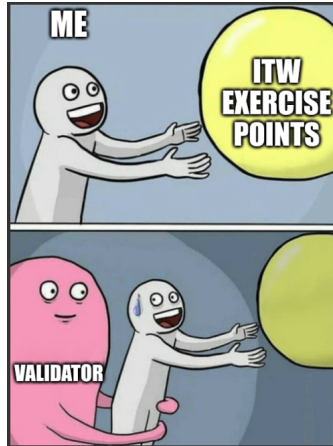
- Filling up **labs structure**
- Working on your 2nd project
  - You will gradually develop the basis of the 2nd project
  - Each labs builds on the next
  - Choose your topic, present yourself or your favorite character

<https://github.com/palox98/ITW-exercises/blob/main/Exercise%20%20-%20HTML/sablona.html>

```
<!DOCTYPE html>
<html>
<head>
  <!-- Document header -->
  <meta charset="utf-8">
</head>
<body>
  <!-- Document body -->

</body>
</html>
```

After every lab, verify your solution with [validator](https://validator.w3.org/) (<https://validator.w3.org/>)



## Basic structure

- 1 Create a basic structure for your work
  - Use generic elements `<div>` and `<nav>`
  - Create at least one menu section and 5 subsections

```
<body>
  <nav>
    <!-- Menu section -->
  </nav>
  <div>
    <!-- Section A -->
  </div>
</body>
```

- Note: While `<span>` exists, `<nav>` is preferred for navigation

- Insert headers
  - Use block elements `<h1>` and `<h2>`
  - For the menu section, use a title header; for content sections, use subheaders

```
<h1> Title </h1>
```

- Use only one `<h1>` per page (usually the main title)
- Don't skip levels (e.g., `<h1>` → `<h3>` without `<h2>`)
- Your structure: `<h1>` for site title, `<h2>` for sections, `<h3>` for subsections

## Content

### 2 Set anchors

- Use `id` prop
- Set an anchor for every section

```
<div id="section_A">
```

### 3 Add some text

- Insert the intro first content section text, use [lorem ipsum](https://www.lipsum.com) generator (<https://www.lipsum.com>)
- Make sure you insert text into the paragraph element `<p>`

```
<p>  
  <!-- Text -->  
</p>
```

- Format text with line elements `<b>`, `<i>`, `<u>`, `<s>` , and `<code>`
- Use at least 5 line elements

## 4 Create substructure

- Insert at least 4 subsections into the second content section
- Use `<div>` elements
- Every subsection should have a title (`<h3>`)
- Insert one link to a thematic website

```
<a href="https://www.fit.vutbr.cz">FIT BUT</a>
```

- Insert one small paragraph of text into every section.

## 5 Insert table

- Create a new table with [table tool](https://www.tablesgenerator.com/html_tables)  
([https://www.tablesgenerator.com/html\\_tables](https://www.tablesgenerator.com/html_tables))
- The table should have at least 6 columns and 5 rows
- Insert the table into the third content section



## Linked content

### 6 Create substructure, part 2

- Create a similar structure to that in [step 1](#) in the fourth section; add [at least 6](#) subsections
- **Icon resources:**
  - SVG Repo - free SVG icons (vector, scalable)
  - Flaticon - huge collection (check license for free usage)
- Download a suitable icon and use it in every subsection with the element `<img>`

```

```

- Be careful about absolute paths. Primarily, use [relative paths](#).
- Always use `alt` attributes for images. Use meaningful text if possible (e.g., `alt="GitHub icon"` instead of just `alt="icon"`).

### 7 Definition list

- Create a definition list with [4](#) elements in the [fifth](#) section

```
<dl>  
  <dt>Row Header</dt><dd>Row Content</dd>  
</dl>
```

### 8 Add more lists

- In the sixth section, add one **ordered list**

```
<ol>
  <li>Item</li>
</ol>
```

- And one **unordered list** with links enhanced with titles

```
<ul>
  <li>
    <a href="https://www.fit.vutbr.cz" title="Link to FIT">
      FIT BUT
    </a>
  </li>
</ul>
```

## Navigation

### 9 Navigation

- Add [navigation](#) to the menu section
- Use an unordered list and links to anchor elements

```
<nav>
  <ul>
    <li>
      <a href="#section_a">Section A</a>
    </li>
  </ul>
</nav>
```

- Use meaningful link text (not just “click here”)
- The `title` attribute provides additional context
- Screen readers announce lists, so `<ul>` in navigation is helpful

- 1 Base structure, usage of header and anchor elements
- 2 Usage of paragraph and line elements
- 3 Substructure
- 4 Table
- 5 At least one linked image
- 6 Usage of lists
- 7 Fully functional navigation
- 8 Validity of your solution in [validator](#) (zero errors/warnings)