



TECHNICAL UNIVERSITY OF MOLDOVA  
FACULTY OF COMPUTERS, INFORMATICS AND MICROELECTRONICS  
DEPARTMENT OF SOFTWARE ENGINEERING AND AUTOMATION

WEB PROGRAMMING  
LABORATORY WORK #1

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## Learn CSS and HTML

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# 1 Task

- Download the design as PSD file from Freepik.
- Extract images as JPG files using Aspose or similiar tools.
- Copy 'index.html', 'reset.css' and 'style.css' to your repo.
- Update 'index.html' and 'style.css', so that the page looks similar to the design from PSD file.

# 2 Results

- I have extracted the images as PNG files using Adobe Photoshop [1].
- All the pages from the task are created.
- In order to make the pages more responsive, I have used CSS flexbox layout [2] for some elements, in pair with CSS media query [2]. Some elements disappear when the page width is getting smaller.

Example of flexbox for a container (Listing 1).

```
1 #text-container-3 {  
2     width: 1000px;  
3     height: 200px;  
4     position: absolute;  
5     display: flex;  
6     flex-direction: column;  
7     align-items: center;  
8     top: 20%;  
9     left: 50%;  
10    -ms-transform: translate(-50%, -50%);  
11    transform: translate(-50%, -50%);  
12 }
```

Listing 1: Example of flexbox implementation.

Example of media query (Listing 2).

```
1 @media screen and (max-width: 1200px) {  
2     #shape_5 {  
3         display: none;  
4     }  
5     #shape_6 {  
6         display: none;  
7     }  
8 }
```

Listing 2: Example of media query implementation.



Figure 1: Image of the implementation

### 3 Conclusion

The laboratory work was likely a challenging and rewarding experience. By having the task of recreating a specific design using HTML and CSS, I was able to apply the concepts and techniques I've learned in a practical and hands-on way. Additionally, by working on this project, I was able to gain a deeper understanding of the practical applications of HTML and CSS and how they can be used to create websites. Overall, the laboratory work was likely a beneficial learning experience for me, as I could develop my skills and gain a deeper understanding of HTML and CSS.

### References

- [1] Adobe Photoshop
- [2] CSS Flexbox
- [3] CSS Media Query

### 4 GitHub

<https://github.com/eugencic/utm-pw/tree/main/lab1>