Vidzeme University of Applied Sciences

**Faculty of Engineering**

Web Technologies and Secure Websites

group 05

practical work #2

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| --- | --- | --- | --- |
| Contacts and responsible (-s) | | | |
| Name Surname | Department | Position | Contact information (e-mail) |
| Linda Brante | Group #5 | Member | Linda.Brante@va.lv |
| Ralfs Fridvalds | Group #5 | Member | Ralfs.Fridvalds@va.lv |
| Rafaels Dmitrijevs | Group #5 | Member | Rafaels.Dmitrijevs@va.lv |

# Content

**Our goal: Improve our first assignment by adding JavaScript and Bootstrap to our project.**

In this practical work we used Bootstrap and JavaScript to update our 8 html files, in all the files we updated the navigation bar to use Bootstrap version of it. In this practical work we used Bootstrap and JavaScript to upgrade our files, in some of the files we changed the navigation bar to use the bootstrap in it. We added a dark mode option, which can be turned on and turned off by clicking a button, which is in index.html page. The JavaScript data of the button being enabled is stored locally which makes it, so you keep your dark mode when switching through the windows.

# Implementation of Bootstrap and JavaScript

We created a new folder which holds the JavaScript file “script.js” and added the script and link for the bootstrap code to function properly in all our html files, that require it.

## Bootstrap navigation bar

The bootstrap navigation bar is easier to style, because it has many libraries to choose from. We moved our navigation bar to top right, when the size of the screen is smaller it changes its design and offers just 3 stripes, upon clicking them you can see all the options displayed.

### Bootstrap navigation bar design



A screenshot of a phone

AI-generated content may be incorrect.

## Updates to index.html hero section

We made the whole web page more user friendly. We spaced our web page, so it seems more visually pleasing.

### Updated index.html

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

## Services.html changes

The navigation bar mentioned in index.html is also present here. We added a search bar, so that the user can search for a specific service that we offer.

Services.html images   
  
A computer service page with white text

AI-generated content may be incorrect.

A computer monitor keyboard and mouse

AI-generated content may be incorrect.

## About.html changes

The only change we made to this html file is that it has a navigation bar, the same as all the other webpages.

### About.html changes

A group of people in circles

AI-generated content may be incorrect.

## Contact.html changes

We redesigned the contact.html file for it to be more user friendly, giving out errors, when inputting invalid data, or forgetting to fill out a field.

A screenshot of a contact us form

AI-generated content may be incorrect.

# JavaScript implementation

We implemented JavaScript mainly for such tasks, which other programming languages can’t. At the very start of this project, we created a separate folder and a separate file for it. Then we connected it to each HTML file. One of the main usages of JavaScript was to make it so dark mode setting works when a button is pressed, and it saves locally between pages.

# List of used resources

<https://www.w3schools.com/js/js_whereto.asp>

<https://www.w3schools.com/bootstrap/>

<https://www.w3schools.com/bootstrap/bootstrap_navbar.asp>