UNIVERSITY of INFORMATION TECHNOLOGY and MANAGEMENT
in Rzeszow, POLAND

FACULTY OF APPLIED INFORMATION TECHNOLOGY

Field Of Study: Information Technology
Specialty: Computer-Science

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No. of student's record book: 68618

PROJECT

Course: Programming
Topic: Portfolio

Rzeszow 2023

Content table

I. Aim of the project

The primary objective of this project is to enable participants to effectively utilize software control tools including: HTML, CSS, JavaScript, specifically emphasizing the utilization of a distributed version control system, for the construction and documentation of the software development process. The project aims to develop skills at various proficiency levels, ranging from basic to very good, with a strong emphasis on achieving a good level of competence in utilizing these tools.

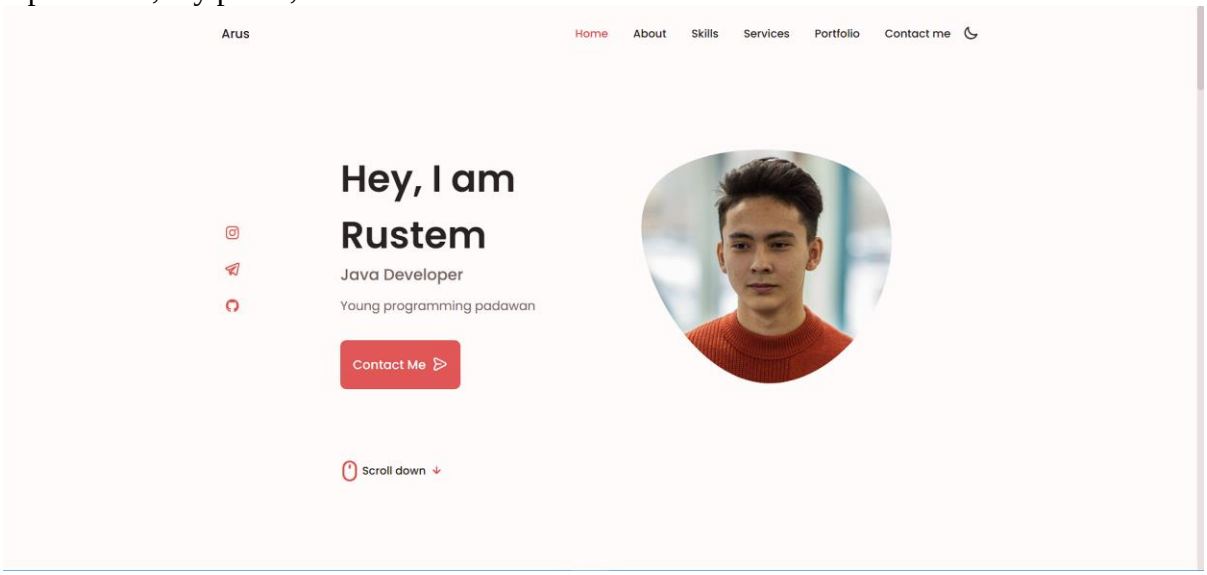
II. Requirements specification

This project focusing on HTML, CSS, and JavaScript offers users a chance to utilize various components to enhance the overall user experience. By incorporating different navigation options like tabbed navigation, you can elevate the browsing experience for your website visitors. It is crucial to give careful consideration to CSS attributes such as margin and padding, as they play a vital role in controlling the spacing and arrangement of elements within your web page. Adjusting these properties allows you to create well-organized and visually appealing designs. Another essential point of the web page is media adaptability which enables user to experience the content in various devices including: smartphones, tablets, laptops and stationary computers. It means that the content on the web page will is adapting to different kinds of resolutions. Additionally, the border-radius property can be utilized to generate circular shapes or rounded corners for elements such as images or buttons, adding a touch of style to your web page.

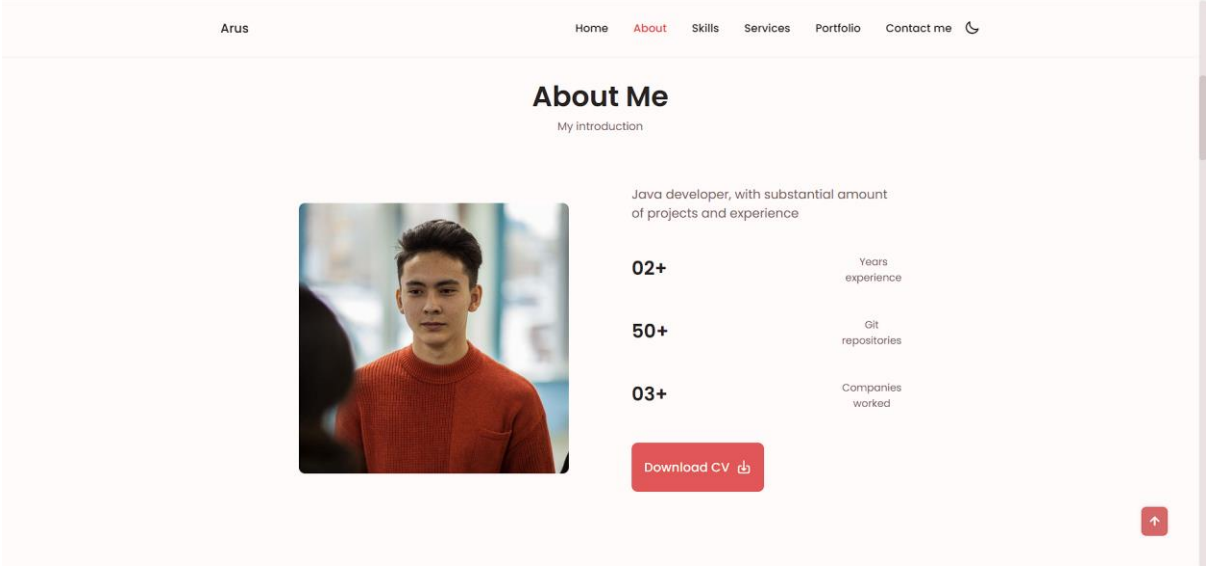
III. Client-side project content

The project consists of one page with various sections related to different information about me. First, we can see header with navigation bar consisting of links to all section in the web page. Moreover, the web page provides users to experience the web page in the “dark mode”, and the functional icon for alternating the color theme is placed in the navigation bar as well.

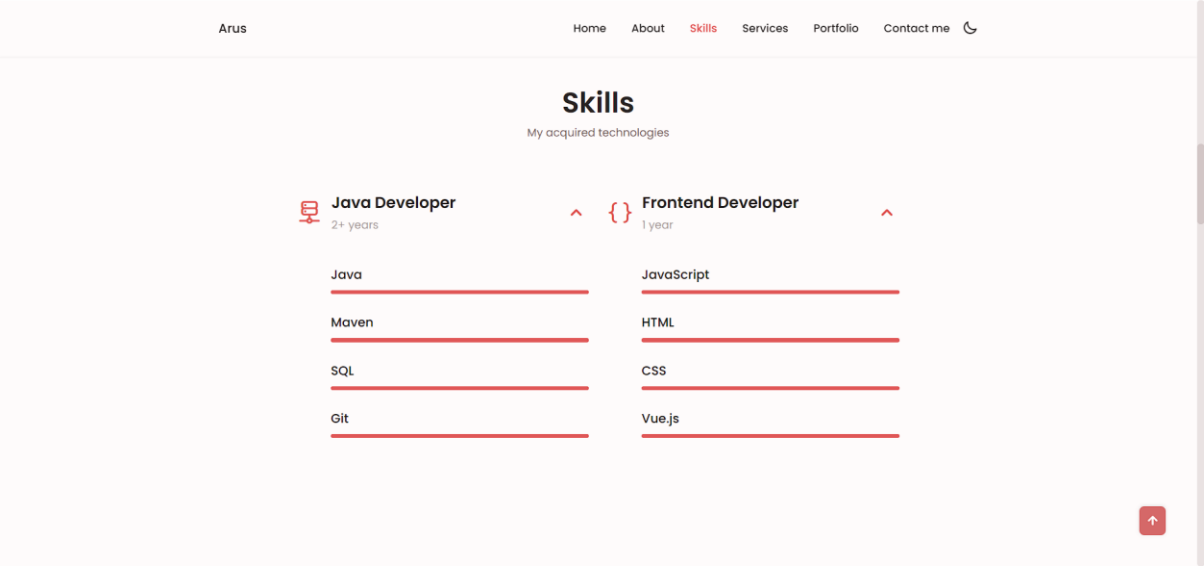
The home page welcomes users to the web page and shows the main information about me. Additionally, the home page includes all necessary links to my social media and github repositories, my photo, and a shortcut button to contact me via email.



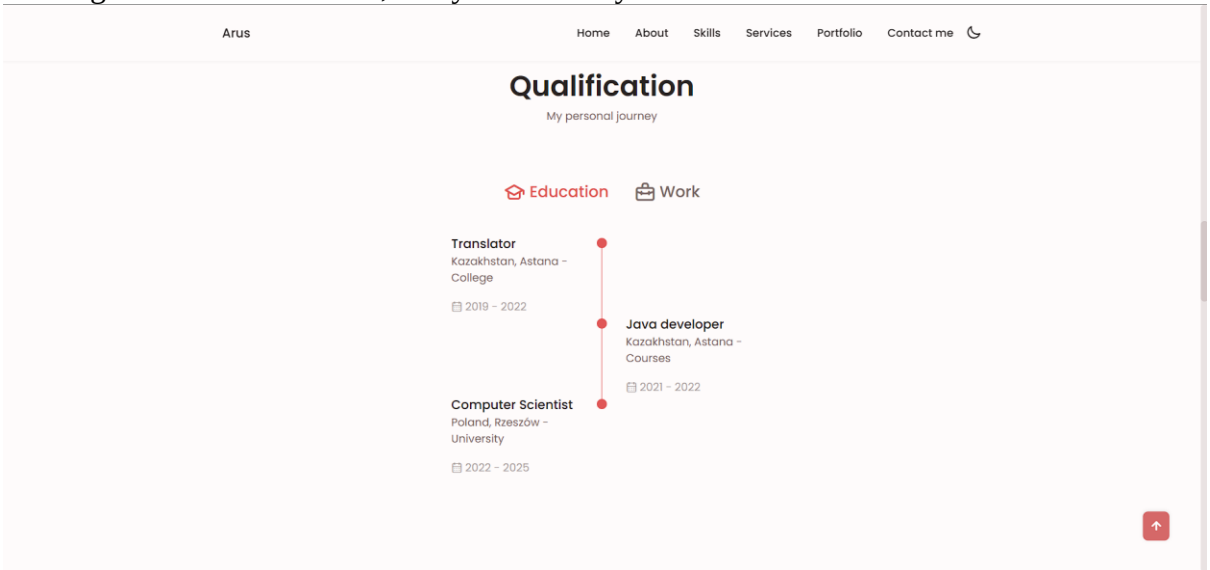
In the next “About me” section, we can see that the navigation bar sticks to the top of the page so that users could always move around needed sections, pops up functional button at the right bottom of the page that allows users to scroll up the page automatically. Additionally, there is more information about my technical experience and a button that downloads my resume.



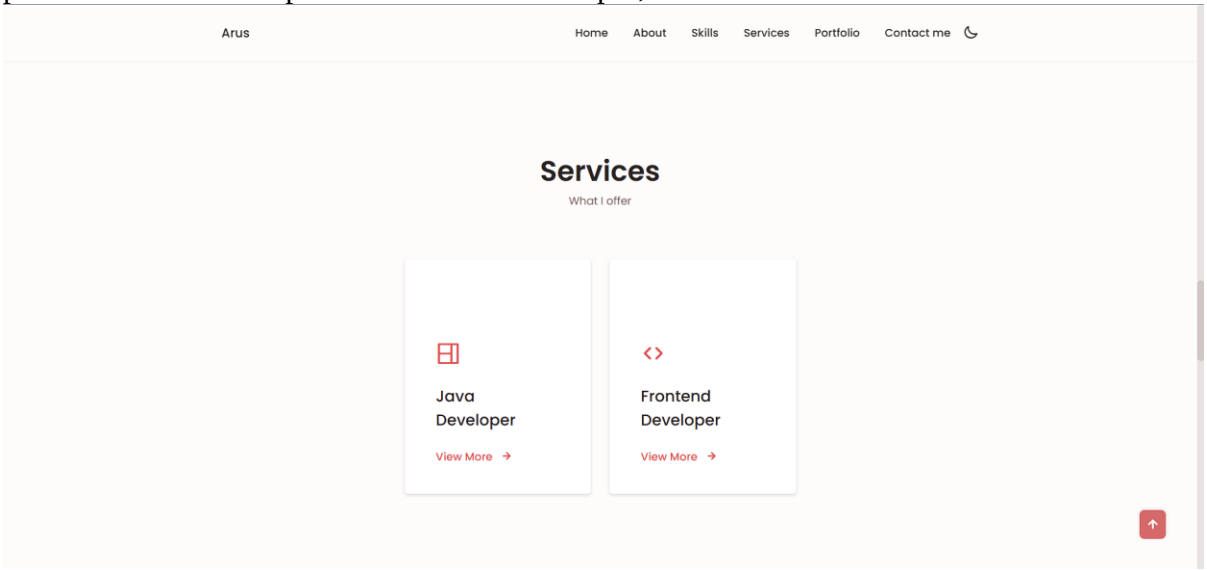
Next sections represents two drop-down lists showing my acquired qualifications in technologies.



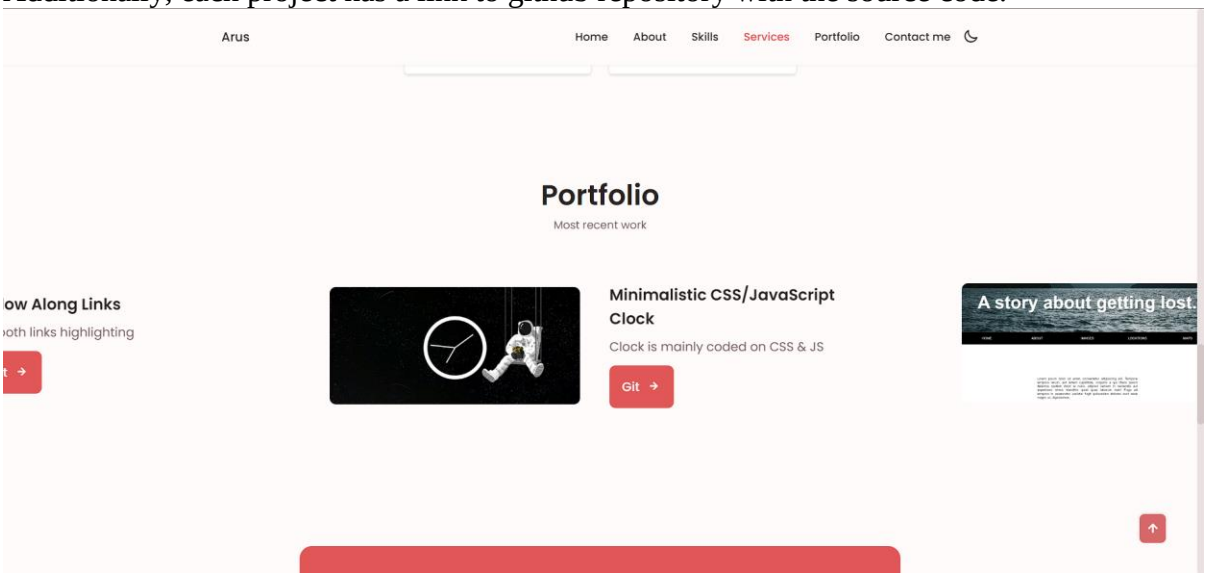
Qualification section showcases stages of my education and work experience. The content is represented in a stylish way and shows what kind of education I have got, the institute I have got the education from, and years of study.



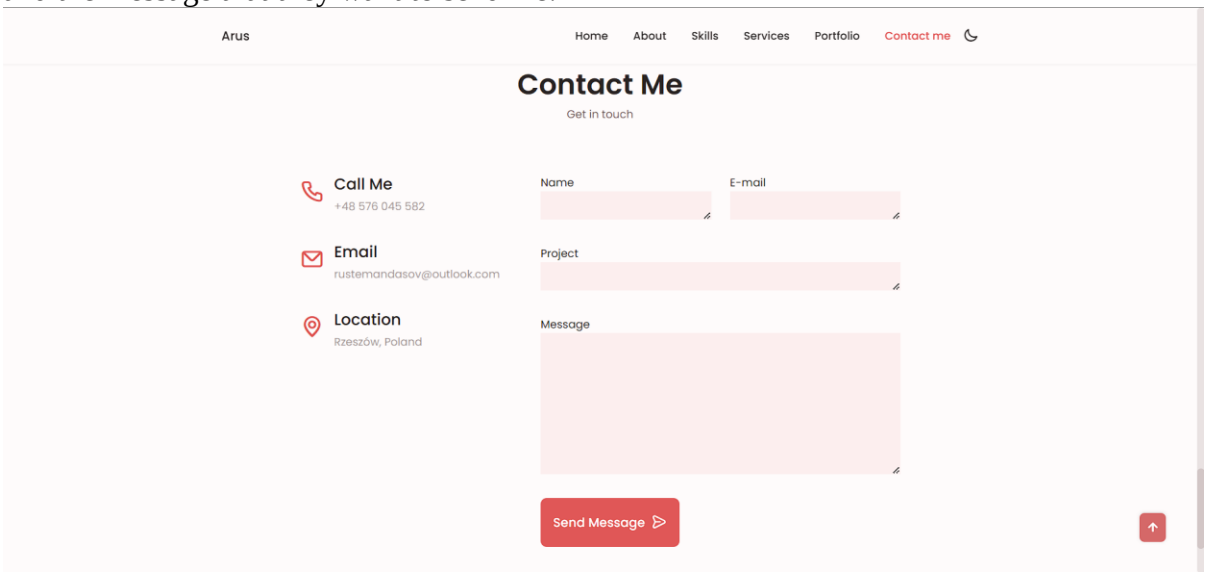
The services section represents two pop-ups that show what services I offer in two positions: Java developer and Frontend developer, as I have needed skills in these fields.



Next section, shows the portfolio of my works related to developing with JavaScript, HTML and CSS. The content is represented in the slider where the users could see the small representation of the mini-projects in GIF format and short description of the project. Additionally, each project has a link to github repository with the source code.



The last section is dedicated to contacting me. The section contains my contact information, such as: phone number, email, and current location of residence. On the right side we can see the form where users can type in the necessary information for mutual connection and the message that they want to send me.



IV. Server-side project content

HTML:

- The HTML code begins with the **<html>** tag, indicating the start of the HTML document. The **lang** attribute specifies the language (in this case, English)
- Within the **<html>** tag, the **<head>** section contains meta information and external resources used by the webpage and the **<body>** section contains all content of the page.
- The **<head>** section includes several **<meta>** tags that provide metadata about the webpage, such as character encoding, compatibility with Internet Explorer, and viewport settings, links to external resources.
- The **<title>** tag sets the webpage's title, which appears in the browser's title bar or tab.
- **<link>** tags are used to link external stylesheets and an icon library to the HTML document.
- After the **<head>** section, the **<body>** section contains the visible content of the webpage.
- Inside the **<body>** section, there is a **<header>** element representing the webpage's header section, typically containing the logo and navigation menu.
- Within the **<header>** element, an **<a>** tag represents the website logo, which is a link with the text "Arus"
- Following the logo, a **<nav>** element represents the navigation menu with multiple links to different sections within the website.
- Each **<a>** tag within the navigation menu represents a menu item with an **href** attribute specifying the target page.
- After the header section, a **<section>** element represents the main content area of the webpage.
- Inside the "home" section, various elements like ** ** and **<h1>** contain content such as social media links, introductory text, and a button. These elements are styled using CSS classes defined in the CSS code.

CSS:

- The CSS code begins with the **@import** rule, importing a Google Fonts stylesheet (Poppins) for a specific font.
- The CSS code includes selectors and declarations that define styles for different webpage elements.
- The ***** selector applies the specified styles to all elements on the webpage.
- The body selector sets the background color and text color for the entire webpage.
- The **.header** selector defines styles for the header section, creating a fixed header at the top of the page with background, padding, and positioning properties.
- The **.logo** selector sets styles for the website logo, including font size, color, and animation.
- The **.nav** a selector defines styles for the navigation menu items, including font size, color, margin, and animation.
- The **.nav a.active, .nav a:hover** selector defines styles for active and hovered menu links, applying a gradient background and adjusting text color.
- The **.home** selector sets styles for the main content section, including width, height, padding, and flexbox properties for a responsive layout.
- Other selectors like **.home-content**, **.home-img** define styles for different elements within the main content section.
- **@media screen** specifies the representation rules when the webpage is showed in different resolutions.

JavaScript:

- It handles the menu show and hidden functionality by adding and removing a class to display or hide the menu.
- It removes the mobile menu when a menu link is clicked.
- It toggles the visibility of content in an accordion-like manner when the skills header is clicked.
- It controls the active state of tabs in the qualification section, showing the selected tab and hiding others.
- It handles the opening and closing of modals for services.
- It initializes a Swiper slider for the portfolio section.
- It sends an email when the "Send" button is clicked, with the email subject, name, body, and email address.
- It highlights the active section in the navigation menu based on scroll position.
- It changes the background of the header when scrolling.
- It shows a scroll-to-top button when the user has scrolled a certain distance.
- It provides a dark and light theme switcher, storing the selected theme in the browser's local storage.

V. Conclusion

In conclusion, this project represents all the skills I have acquired during this course and more. I have learned that through the utilization of HTML, you will be able to structure the content and layout of your webpage, ensuring a clear and organized presentation. CSS will enable you to enhance the visual appeal of your webpage by applying various styles, colors, and fonts to different elements. Additionally, JavaScript will allow you to add interactive elements and dynamic functionality to your webpage, making it more engaging and user-friendly.

By combining these three essential web development technologies, you will have the power to design a webpage that reflects your personality, skills, and interests. This project serves as a practical application of the concepts we have learned, allowing you to demonstrate your proficiency in HTML, CSS, and JavaScript while creating a unique online representation of yourself.