**VIETNAM NATIONAL UNIVERSITY – HOCHIMINH CITY**

**INTERNATIONAL UNIVERSITY**

**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**



**WEB APPLICATION DEVELOPMENT**

**[Lab 2: HTML and CSS]**

**Submitted by**

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Lab Section: Lab 02

Course Instructor: Msc.Trần Khải Minh

**GRADING GUIDELINE FOR LAB REPORT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | **Content** | | **Score** | **Comment** |
| 1 | **Format (max 9%)** | |  |  |
| * Font type | Yes No |  |
| * Font size | Yes No |  |
| * Lab title | Yes No |  |
| * Page number | Yes No |  |
| * Table of contents | Yes No |  |
| * Header/Footer | Yes No |  |
| * List of figures (if exists) | Yes No |  |
| * List of tables (if exists) | Yes No |  |
| * Lab report structure | Yes No |  |
| 2 | **English Grammar and Spelling (max 6%)** | |  |  |
| * Grammar | Yes No |  |
| * Spelling | Yes No |  |
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| **Total Score** | |  | |  |

Signature:

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**Nomenclature**

# Theoretical Background

Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) are fundamental technologies for building and designing web pages. HTML provides the structural foundation of a webpage, while CSS is responsible for the styling and visual presentation. Together, they form the backbone of web development.

**HTML: Structure and Functionality**

HTML (Hypertext Markup Language) is the standard language used to create webpages. It defines the structure of web content using a series of elements and tags. Each HTML document consists of a **doctype declaration**, a **head section**, and a **body section**. The head section includes metadata, links to stylesheets, and scripts, while the body contains the visible content.

**Key Features of HTML:**

1. **Elements and Tags** – HTML consists of various tags such as <h1> for headings, <p> for paragraphs, <a> for links, <img> for images, and <table> for tables.
2. **Attributes** – Elements can have attributes that provide additional information. For example, the <img> tag uses the src attribute to specify the image source.
3. **Semantic HTML** – HTML5 introduced semantic elements such as <article>, <section>, and <nav> to improve webpage structure and accessibility.
4. **Forms and Inputs** – HTML supports user interactions with form elements such as <input>, <textarea>, <button>, and <select>.

## CSS: Styling and Layout

CSS (Cascading Style Sheets) is used to control the appearance of HTML elements. It allows developers to separate content from design, improving the maintainability and consistency of web pages.

**Key Features of CSS:**

1. **Selectors and Properties** – CSS rules are made up of selectors (e.g., p { color: blue; }) that define which elements are styled and properties that specify styles.
2. **Box Model** – The box model includes **margin, border, padding, and content**, influencing how elements are displayed.
3. **Positioning and Layouts** – CSS enables different positioning techniques, such as static, relative, absolute, and fixed, as well as modern layout models like **Flexbox** and **Grid**.
4. **Responsive Design** – Media queries allow styles to adapt based on device screen size, enabling mobile-friendly web design.
5. **CSS Frameworks** – Frameworks like Bootstrap and Tailwind CSS provide pre-styled components, enhancing development efficiency.

**The Relationship Between HTML and CSS**

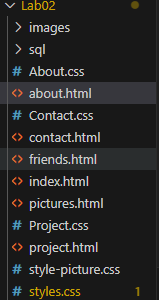
HTML and CSS work together to create well-structured and visually appealing web pages. HTML provides the content, while CSS enhances its presentation. The separation of concerns allows developers to modify styles without altering the HTML structure.

.

# Experimental Results

This is the experimental results, so I will write now:

Firstly, this is the structure of organizatio of the code files:



The project follows a modular structure with separate files for different web pages and stylesheets. The key components include:

**2.1. HTML Files:**

* 1. index.html: Serves as the homepage of the website.
  2. about.html: Contains personal or project-related information.
  3. contact.html: Provides a contact form or details for user interaction.
  4. friends.html: Likely includes a section about friends or networking.
  5. pictures.html: Displays a gallery or images relevant to the website's theme.
  6. project.html: Describes specific projects or works.

1. **CSS Files:**
   1. styles.css: A global stylesheet applied to multiple pages for consistent styling.
   2. About.css, Contact.css, Project.css, and style-picture.css: Specific stylesheets for different sections of the website, ensuring customization for each page.

**In HTML part:**

**Index.html:** The index.html file serves as the homepage of the personal website for Le Hoang Vi, providing an introduction to the author and their background in network engineering. It features a structured layout with a navigation bar, an introduction section, an education history, and a footer.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>My Website</title>

    <link rel="stylesheet" href="styles.css">

    <!-- <link rel="stylesheet" href="./style-picture.css"> -->

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.7.2/css/all.min.css" integrity="sha512-Evv84Mr4kqVGRNSgIGL/F/aIDqQb7xQ2vcrdIwxfjThSH8CSR7PBEakCr51Ck+w+/U6swU2Im1vVX0SVk9ABhg==" crossorigin="anonymous" referrerpolicy="no-referrer" />

</head>

<body>

    <header>

        <h1>Lehoangvi's website</h1>

        <nav>

            <ul>

                <li><a href="index.html">Home</a></li>

                <li><a href="about.html">About</a></li>

                <li><a href="project.html">Project</a></li>

                <li><a href="contact.html">Contact</a></li>

                <li><a href="pictures.html">Picture</a></li>

                <li><a href="friends.html">Friend</a></li>  <!-- Added Login link -->

            </ul>

        </nav>

    </header>

    <main>

        <section class="intro">

            <section class="intro-text">

                <h2>Hello everyone, my name is Le Hoang Vi</h2>

                <h3 class="animated-text">

                    A professional <span class="highlight">Network engineering</span>

                </h3>

                <p>

                    "I specialize in designing, implementing, and maintaining secure and efficient network infrastructures. My focus is on optimizing connectivity, ensuring seamless data flow, and enhancing cybersecurity measures. I don’t just build networks—I create scalable and resilient systems that empower businesses and users alike

                </p>

            </section>

            <section class="intro-Image">

                <img src="./images/My-image-1.jpg" alt="Network Engineering">

            </section>

        </section>

        <section id="education">

            <h2>Education</h2>

            <div class="education-item">

                <div class="education-item-1">

                    <h3>Hoang Hoa Tham primary school</h3>

                    <p>2009-2014</p>

                    <p>Completed with a grade of 100%</p>

                </div>

                <div class="education-item-2">

                    <h3>Bui Huu Nghia secondary school</h3>

                    <p>2014-2018</p>

                    <p>Completed with a grade of 99%</p>

                </div>

                <div class="education-item-3">

                    <h3>Le Hong Phong high school</h3>

                    <p>2018-2021</p>

                    <p>Completed with a grade of 95%</p>

                </div>

                <div class="education-item-4">

                    <h3>Networking Degree in Network Engineering</h3>

                    <p>Ho Chi Minh International University (HCMIU) | 2021 - 2026</p>

                    <p>Relevant Coursework: Network Security, Cloud Computing, System Administration, Data Security</p>

                </div>

            </div>

        </section>

    </main>

    <footer>

        <p>&copy; 2025 Lehoangvi. All rights reserved.</p>

    </footer>

</body>

</html>

**About.html:** The about.html file serves as the About Me page of Le Hoang Vi's personal website. It provides an overview of the author's background, skills, and expertise in network engineering, offering visitors insights into their educational journey, technical skills, and career aspirations.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>About</title>

    <link rel="stylesheet" href="./About.css">

    <link rel="stylesheet" href="./styles.css">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.7.2/css/all.min.css" integrity="sha512-Evv84Mr4kqVGRNSgIGL/F/aIDqQb7xQ2vcrdIwxfjThSH8CSR7PBEakCr51Ck+w+/U6swU2Im1vVX0SVk9ABhg==" crossorigin="anonymous" referrerpolicy="no-referrer" />

</head>

<body>

    <header>

        <h1>Lehoangvi's Website</h1>

        <nav>

            <ul>

                <li><a href="index.html">Home</a></li>

                <li><a href="about.html">About</a></li>

                <li><a href="project.html">Project</a></li>

                <li><a href="contact.html">Contact</a></li>

                <li><a href="pictures.html">Picture</a></li>

                <li><a href="friends.html">Friend</a></li>

            </ul>

        </nav>

    </header>

    <main class="about-container">

        <section class="box about-me">

            <h2>About Me</h2>

            <p>Hi, I'm Le Hoang Vi, a passionate network engineering student dedicated to building, securing, and optimizing network infrastructures. I have a strong interest in network security, cloud computing, and system administration. My goal is to design scalable, reliable, and secure network architectures that meet modern industry demands. I continuously explore new technologies and best practices to enhance my skills and stay updated with advancements in networking.</p>

        </section>

        <section class="box course-skills">

            <h2>Course Relevant, Skills</h2>

            <ul style="list-style-type: none;">

                <li>Computer Network</li>

                <li>System and network Security</li>

                <li>Scalable and distributed computing</li>

                <li>System & Network Administration</li>

                <li>Fundamental concept of data security </li>

            </ul>

        </section>

        <section class="box background">

            <h2>Background</h2>

            <p>I am currently study Network Engineering in Ho Chi Minh International University. I am passionate about securing scalable networks. My long-term vision is to contribute to the field of cybersecurity by developing innovative solutions that enhance network security and resilience.</p>

        </section>

    </main>

    <footer>

        <p>&copy; 2025 Lehoangvi. All rights reserved.</p>

    </footer>

</body>

</html>

**Project.html:** The Project page showcases a collection of my GitHub projects, highlighting various web development, game development, and database management applications. Each project is presented with a brief description, a link to its GitHub repository, and, where applicable, a live demo or downloadable file.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Services</title>

    <link rel="stylesheet" href="./styles.css">

    <link rel="stylesheet" href="./Project.css">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.7.2/css/all.min.css" integrity="sha512-Evv84Mr4kqVGRNSgIGL/F/aIDqQb7xQ2vcrdIwxfjThSH8CSR7PBEakCr51Ck+w+/U6swU2Im1vVX0SVk9ABhg==" crossorigin="anonymous" referrerpolicy="no-referrer" />

</head>

<body>

    <header>

        <h1>Lehoangvi's Website</h1>

        <nav>

            <ul>

                <li><a href="index.html">Home</a></li>

                <li><a href="about.html">About</a></li>

                <li><a href="project.html">Project</a></li>

                <li><a href="contact.html">Contact</a></li>

                <li><a href="pictures.html">Picture</a></li>

                <li><a href="friends.html">Friend</a></li>

            </ul>

        </nav>

    </header>

    <section id="projects">

        <h2>My GitHub Projects</h2>

        <div class="project-container">

            <div class="project-card">

                <h3>Project 1</h3>

                <h4>Project Website Shopee</h4>

                <p>Description: A fully responsive e-commerce platform inspired by Shopee, designed with HTML, CSS, and Bootstrap. Features an interactive UI and smooth navigation to enhance user experience.</p>

                <a href="https://github.com/lehoangvi123/Project-Web-Shopee-Website/tree/master" target="\_blank">

                    <i class="fa-brands fa-github"></i> View on GitHub

                </a>

                <a href="https://lehoangvi123.github.io/Project-Web-Shopee-Website/BuildWebShoppe.html" target="\_blank" class="btn demo-btn">

                    <i class="fa-solid fa-eye"></i> Live Demo

                </a>

            </div>

            <div class="project-card">

                <h3>Project 2</h3>

                <h4>Jesuit Religious Order Website</h4>

                <p>Description: A beautifully crafted website dedicated to the Jesuit order, blending faith with modern web technology. Built using HTML, CSS, and Bootstrap for seamless responsiveness.</p>

                <a href="https://github.com/lehoangvi123/Jesuit-Website" target="\_blank">

                    <i class="fa-brands fa-github"></i> View on GitHub

                </a>

                <a href="https://lehoangvi123.github.io/Jesuit-Website/WebTheBand/" target="\_blank" class="btn demo-btn">

                    <i class="fa-solid fa-eye"></i> Live Demo

                </a>

            </div>

            <div class="project-card">

                <h3>Project 3</h3>

                <h4>Music Player App</h4>

                <p>Description: A sleek, interactive music player built with JavaScript, HTML, and CSS. Features include dynamic playlists, seamless song transitions, and an engaging UI.</p>

                <a href="https://github.com/lehoangvi123/Music-Player" target="\_blank">

                    <i class="fa-brands fa-github"></i> View on GitHub

                </a>

                <a href="https://lehoangvi123.github.io/CodeMusicPlayer" target="\_blank" class="btn demo-btn">

                    <i class="fa-solid fa-eye"></i> Live Demo

                </a>

            </div>

            <div class="project-card">

                <h3>Project 4</h3>

                <h4>Toast Click Game</h4>

                <p>Description: A fast-paced, fun clicker game with animated toast flying across the screen! Built using HTML, CSS, and JavaScript animations for a smooth gaming experience.</p>

                <a href="https://github.com/YOUR\_GITHUB\_USERNAME/PROJECT\_2" target="\_blank">

                    <i class="fa-brands fa-github"></i> View on GitHub

                </a>

                <a href="https://lehoangvi123.github.io/ToastClick/Toast-message.html" target="\_blank" class="btn demo-btn">

                    <i class="fa-solid fa-eye"></i> Live Demo

                </a>

            </div>

            <div class="project-card">

                <h3>Project 5</h3>

                <h4>Form Validation Sign In/Sign Up</h4>

                <p>Description: A secure and efficient sign-up/sign-in form with real-time validation and error handling. Built with HTML, CSS, and JavaScript to enhance user experience.</p>

                <a href="https://github.com/lehoangvi123/FormValidation" target="\_blank">

                    <i class="fa-brands fa-github"></i> View on GitHub

                </a>

                <a href="https://lehoangvi123.github.io/FormValidation/Form-validation.html" target="\_blank" class="btn demo-btn">

                    <i class="fa-solid fa-eye"></i> Live Demo

                </a>

            </div>

            <div class="project-card">

                <h3>Project 6</h3>

                <h4>Game 2048</h4>

                <p>Description: A modern take on the legendary 2048 game, implemented in Java with optimized algorithms for smooth gameplay and AI-powered moves.</p>

                <a href="https://github.com/thientr18/2048-Super" target="\_blank" class="btn github-btn">

                    <i class="fa-brands fa-github"></i> View on GitHub

                </a>

                <a href="https://github.com/thientr18/2048-Super/archive/refs/heads/main.zip" target="\_blank" class="btn download-btn">

                    <i class="fa-solid fa-download"></i> Download ZIP

                </a>

            </div>

            <div class="project-card">

                <h3>Project 7</h3>

                <h4>Candy Crush Saga</h4>

                <p>Description: A fully functional Candy Crush clone using Object-Oriented Programming (OOP) principles in Java. Features complex game mechanics and an intuitive UI.</p>

                <a href="https://github.com/tttduong/Candy-Crush-Lab5" target="\_blank" class="btn github-btn">

                    <i class="fa-brands fa-github"></i> View on GitHub

                </a>

                <a href="https://github.com/tttduong/Candy-Crush-Lab5/archive/refs/heads/main.zip"

                   download class="btn download-btn">

                    <i class="fa-solid fa-download"></i> Download Game

                </a>

            </div>

            <div class="project-card">

                <h3>Project 8</h3>

                <h4>University Health Care Application</h4>

                <p>Description: A powerful and efficient university healthcare database system, ensuring secure storage and fast retrieval of medical records using advanced SQL techniques.</p>

                <a href="https://github.com/AlexJack2502/UNIVERSITY-HEALTH-CARE-DATABASE"

                   target="\_blank" class="btn github-btn">

                    <i class="fa-brands fa-github"></i> View on GitHub

                </a>

                <a href="https://github.com/AlexJack2502/UNIVERSITY-HEALTH-CARE-DATABASE/archive/refs/heads/main.zip"

                   download class="btn download-btn">

                    <i class="fa-solid fa-download"></i> Download Database

                </a>

            </div>

        </div>

    </section>

    <footer>

        <p>&copy; 2025 Lehoangvi. All rights reserved.</p>

    </footer>

</body>

</html>

**Contact.html:** The Contact page provides various ways for visitors to reach out for collaboration, inquiries, or networking. It includes a welcoming message encouraging communication, along with a playful emoji list to add a touch of personality. The page prominently features social media links, allowing users to connect via Facebook, Instagram, Threads, and LinkedIn.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Contact</title>

    <link rel="stylesheet" href="./styles.css">

    <link rel="stylesheet" href="./Contact.css">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.7.2/css/all.min.css" integrity="sha512-Evv84Mr4kqVGRNSgIGL/F/aIDqQb7xQ2vcrdIwxfjThSH8CSR7PBEakCr51Ck+w+/U6swU2Im1vVX0SVk9ABhg==" crossorigin="anonymous" referrerpolicy="no-referrer" />

</head>

<body>

    <header>

        <h1>Lehoangvi's Website</h1>

        <nav>

            <ul>

                <li><a href="index.html">Home</a></li>

                <li><a href="about.html">About</a></li>

                <li><a href="project.html">Project</a></li>

                <li><a href="contact.html">Contact</a></li>

                <li><a href="pictures.html">Picture</a></li>

                <li><a href="friends.html">Friend</a></li>

            </ul>

        </nav>

    </header>

    <section id="contact">

        <div class="contact-left">

            <p>Feel free to ask about collaboration through:</p>

            <div class="emoji-list">

                <span>😊</span>

                <span>😟</span>

                <span>😃</span>

            </div>

        </div>

        <div class="contact-right">

            <ul class="social-icons">

                <li>

                    <a href="https://www.facebook.com/lehoangvi.1508" target="\_blank" class="facebook">

                        <i class="fa-brands fa-facebook"></i>

                    </a>

                </li>

                <li>

                    <a href="https://www.instagram.com/duckcutevi1508/" target="\_blank" class="instagram">

                        <i class="fa-brands fa-instagram"></i>

                    </a>

                </li>

                <li>

                    <a href="https://www.threads.net/@duckcutevi1508" target="\_blank" class="threads">

                        <i class="fa-brands fa-threads"></i>

                    </a>

                </li>

                <li>

                    <a href="mailto:lehoangvi.work@gmail.com" class="gmail">

                        <i class="fa-solid fa-envelope"></i>

                    </a>

                </li>

                <li>

                    <a href="tel:0824318186" class="phone">

                        <i class="fa-solid fa-phone-alt"></i>

                    </a>

                </li>

                <li>

                    <a href="https://www.linkedin.com/in/l%C3%AA-ho%C3%A0ng-v%C4%A9-b9ab7121a/" target="\_blank" class="linkedin">

                        <i class="fa-brands fa-linkedin"></i>

                    </a>

                </li>

            </ul>

        </div>

    </section>

    <footer>

        <p>&copy; 2025 Lehoangvi. All rights reserved.</p>

    </footer>

</body>

</html>

**Picture.html**: The **Picture Gallery** page showcases a personal collection of images, offering visitors a glimpse into various moments and experiences. The page features a clean and structured layout, ensuring an engaging visual experience. Each photo is displayed within a dedicated image box, creating a well-organized and aesthetically pleasing gallery.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Picture Gallery</title>

    <link rel="stylesheet" href="styles.css">

    <link rel="stylesheet" href="./style-picture.css">

</head>

<body>

    <header>

        <h1>Picture Gallery</h1>

        <nav>

            <ul>

                <li><a href="index.html">Home</a></li>

                <li><a href="about.html">About</a></li>

                <li><a href="project.html">Project</a></li>

                <li><a href="contact.html">Contact</a></li>

                <li><a href="pictures.html">Picture</a></li>

                <li><a href="friends.html">Friend</a></li>  <!-- Added Login link -->

            </ul>

        </nav>

    </header>

    <section id="gallery">

        <h2>My Photo Collection</h2>

        <div class="gallery-container">

            <div class="image-box">

                <img src="./images/My-image-1.jpg" alt="Photo 1">

            </div>

            <div class="image-box">

                <img src="./images/My-image-2.jpg" alt="Photo 2">

            </div>

            <div class="image-box">

                <img src="./images/My-image-4.jpg" alt="Photo 3">

            </div>

            <div class="image-box">

                <img src="./images/My-image-8.jpg" alt="Photo 4">

            </div>

            <div class="image-box">

                <img src="./images/My-image-9.jpg" alt="Photo 4">

            </div>

            <div class="image-box">

                <img src="./images/My-image.jpg" alt="Photo 4">

            </div>

            <div class="image-box">

                <img src="./images/Myimage6.jpg" alt="Photo 4">

            </div>

            <div class="image-box">

                <img src="./images/My-profile-image.jpg" alt="Photo 4">

            </div>

            <div class="image-box">

                <img src="./images/My-image8.jpg" alt="Photo 4">

            </div>

        </div>

    </section>

    <footer>

        <p>&copy; 2025 Lehoangvi. All rights reserved.</p>

    </footer>

</body>

</html>

**Friend.html:** The Friends page introduces the key members of the web application development team, highlighting their roles and contributions. The page features a structured layout with individual profile sections for each teammate, including a circular profile image, name, and role within the project. This setup provides a visually appealing and organized way to showcase the team’s composition.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Friends</title>

    <link rel="stylesheet" href="styles.css"> <!-- Link to the CSS file -->

    <!-- <link rel="stylesheet" href="./style-picture.css"> -->

    <style>

        section img{

            width: 200px;

            height: 200px;

            object-fit: cover;

            border-radius: 50%;

        }

    </style>

</head>

<body>

    <header>

        <h1>Lehoangvi's website</h1>

        <nav>

            <ul>

                <li><a href="index.html">Home</a></li>

                <li><a href="about.html">About</a></li>

                <li><a href="project.html">Project</a></li>

                <li><a href="contact.html">Contact</a></li>

                <li><a href="pictures.html">Picture</a></li>

                <li><a href="friends.html">Friend</a></li>  <!-- Added Login link -->

            </ul>

        </nav>

    </header>

    <section id="friends">

        <h2>My Teammate, who plays a crucial role in the web application development course, is</h2>

        <div class="friends-container">

            <br>

            <div class="friend-card">

                <img src="./images/My-image-2.jpg" alt="Friend 1">

                <h3>Lê Hoàng Vĩ</h3>

                <p>Leader</p>

            </div>

            <br>

            <div class="friend-card">

                <img src="./images/Friend-1.jpg" alt="Friend 2">

                <h3>Lê Nguyễn Chí Quốc</h3>

                <p>Backend developer</p>

            </div>

            <br>

            <div class="friend-card">

                <img src="./images/friend-2.jpg" alt="Friend 3">

                <h3>Nguyễn Hoàng Quân</h3>

                <p>Fullstack developer</p>

            </div>

            <br>

        </div>

    </section>

    <footer>

        <p>&copy; 2025 Lehoangvi. All rights reserved.</p>

    </footer>  <!-- Added footer with copyright information -->

</body>

</html>

**In CSS Part:**

**Style.css:** The style.css file defines the visual appearance and layout of the website, ensuring a clean, structured, and user-friendly design. The body is styled with a beige background (#F5F5DC) and an Arial, sans-serif font, maintaining readability and a soft aesthetic. The header section features a dark navy-blue background (#2C3E50) with white text, creating a strong contrast for better visibility. The navigation bar (nav ul) is implemented using a flexbox layout, aligning menu items to the right, with each link having a hover effect that changes its background color smoothly.

body {

    font-family: Arial, sans-serif;

    background-color: #F5F5DC;

    margin: 0;

    padding: 0;

    text-align: center;

}

header {

    background: #2C3E50;

    color: white;

    padding: 10px;

}

nav ul{

    list-style-type: none;

    margin: 0;

    padding: 0;

    display: flex;

    justify-content: right;

}

nav ul li{

    margin: 0 15px;

}

nav ul li a{

    text-decoration: none;

    color: white;

    font-weight: bold;

    padding: 10px 15px;

}

nav ul li a:hover{

    cursor: pointer;

    background-color: #d6201a;

    transition: background-color 0.3s ease;

}

.intro p{

    font-size: 18px;

    text-align: left;

    /\* max-width: 800px;  \*/

    margin: 10px auto;

    line-height: 1.6;

}

header {

    /\* background: #333;  \*/

    padding: 10px 0;

    text-align: center;

}

nav a {

    color: white;

    margin: 10px;

    text-decoration: none;

}

.intro {

    display: flex;

    align-items: center;

    justify-content: center;

    padding: 50px 20px;

    background: #ffffff;

    max-width: 1200px;

    margin: auto;

    border-radius: 10px;

    box-shadow: 0px 4px 10px rgba(0, 0, 0, 0.1);

}

.intro-text {

    flex: 1;

    text-align: left;

    padding: 20px;

}

.intro h2 {

    font-size: 28px;

    color: #000281;

}

main {

    padding: 20px;

}

#education {

    margin: 50px 0;

    padding: 20px;

    /\* background-color: #f4f4f4; \*/

    border-radius: 10px;

    max-width: 1000px;

    margin: auto;

    /\* box-shadow: 0px 4px 10px rgba(0, 0, 0, 0.1); \*/

}

#education h2 {

    font-size: 24px;

    text-align: center;

    color: #000281;

    margin-bottom: -30px;

}

.education-item {

    display: flex;

    flex-direction: column;

    text-align: center;

    padding: 60px;

}

.education-item div {

    background: white;

    margin: 10px;

    padding: 15px;

    border-radius: 8px;

    box-shadow: 2px 2px 10px rgba(0, 0, 0, 0.1);

}

.education-item h3 {

    color: #e44d26;

    font-size: 20px;

}

.education-item p {

    font-size: 16px;

    color: #555;

}

footer {

    background: #2C3E50;

    color: white;

    padding: 5px;

    position: fixed;

    bottom: 0;

    width: 100%;

}

**About.css:** The about.css file styles the About section of the website, creating a well-structured and visually appealing layout using CSS Grid. The about-container is designed as a two-column grid with flexible row sizes (auto auto) to ensure responsiveness. The gap between elements is set to 20px, providing clear separation between content blocks, while the maximum width is 900px, centering the content and preventing it from becoming too wide on larger screens.

.about-container {

    display: grid;

    grid-template-columns: 1fr 1fr;

    grid-template-rows: auto auto;

    gap: 20px;

    max-width: 900px;

    margin: 40px auto;

}

.box {

    background: white;

    padding: 20px;

    border-radius: 10px;

    box-shadow: 0px 4px 6px rgba(0, 0, 0, 0.1);

}

.about-me {

    grid-column: 1;

    grid-row: 1;

}

.course-skills {

    grid-column: 2;

    grid-row: 1;

}

.background {

    grid-column: span 2;

    grid-row: 2;

    text-align: center;

}

**Contact.css:** The contact.css file styles the Contact section, ensuring a clean and visually appealing layout. The section is structured using flexbox to align and position elements efficiently.

/\* Contact Section \*/

#contact {

    display: flex;

    align-items: center;

    /\* justify-content: space-around; \*/

    position: relative;

    top: 140px;

}

/\* Left Side (Text + Emojis) \*/

.contact-left {

    width: 50%;

    /\* text-align: left; \*/

    padding: 20px;

}

.contact-left p {

    font-size: 25px;

    color: #555;

    margin-bottom: 10px;

}

.emoji-list {

    font-size: 50px;

}

.emoji-list span {

    margin-right: 10px;

}

/\* Right Side (Social Icons) \*/

.contact-right {

    width: 50%;

    display: flex;

    justify-content: center;

}

.social-icons {

    display: flex;

    justify-content: center;

    gap: 20px;

    list-style: none;

    padding: 0;

}

.social-icons li {

    display: inline-block;

}

.social-icons a {

    text-decoration: none;

    font-size: 50px; /\* Adjust icon size \*/

    color: #333;

    transition: color 0.3s ease;

}

.social-icons .facebook:hover {

    color: #1877F2;

}

.social-icons .instagram:hover {

    color: #E1306C;

}

.social-icons .threads:hover {

    color: #000000;

}

.social-icons .gmail:hover {

    color: #D14836;

}

.social-icons .linkedin:hover {

    color: #0077B5;

}

.social-icons .phone:hover {

    color: #00A6ED;

}

**Project.html:** The project.html file showcases various projects in a structured and visually appealing way. It includes a Projects section with individual project cards that display details such as the project title, description, and a link to view more. The page layout is simple, clean, and user-friendly.

#projects {

    text-align: center;

    padding: 50px 20px;

}

.project-container {

    display: flex;

    justify-content: center;

    gap: 20px;

    flex-wrap: wrap;

}

.project-card {

    background: #f4f4f4;

    padding: 20px;

    border-radius: 10px;

    box-shadow: 2px 2px 10px rgba(0, 0, 0, 0.1);

    width: 300px;

    text-align: center;

}

.project-card h3 {

    margin: 10px 0;

}

.project-card p {

    font-size: 14px;

    color: #555;

}

.project-card a {

    display: inline-block;

    margin-top: 10px;

    padding: 10px 15px;

    background: #333;

    color: white;

    text-decoration: none;

    border-radius: 5px;

    /\* transition: 0.3s; \*/

}

.project-card a:hover {

    background: rgba(0, 0, 0, 0.08);

}

.project-card i {

    margin-right: 5px;

}

**Style-picture.css:** The style-picture.css file is responsible for styling the Gallery section of the website, providing a clean, responsive, and interactive layout for displaying images. The styling ensures that images are neatly arranged and visually appealing with hover effects for an engaging user experience.

#gallery {

    padding: 20px;

    text-align: center;

}

.gallery-container {

    display: flex;

    flex-wrap: wrap;

    justify-content: center;

    gap: 15px;

    max-width: 900px;

    margin: 0 auto;

}

.image-box {

    width: 250px;

    height: 250px;

    overflow: hidden;

    border-radius: 10px;

    box-shadow: 2px 2px 10px rgba(0, 0, 0, 0.2);

}

.image-box img {

    width: 100%;

    height: 100%;

    object-fit: cover;

    transition: transform 0.3s ease-in-out;

}

.image-box img:hover {

    transform: scale(1.1);

}

And this is the interface of the website when I run HTML file:

A screenshot of a computer

Description automatically generated

A screenshot of a website

Description automatically generated

A screenshot of a computer

Description automatically generated

Try more in running reality:

How to run: Move **to index.html file** and then run this file code in visual studio code and experiment my product!

# Discussion of Results

The website presents a well-structured and professional design, effectively organizing personal and educational information. The **header and navigation bar** provide a clear and user-friendly experience, with a dark blue background that enhances readability. However, adding hover effects and slightly increasing the spacing between menu items could improve navigation.

The **introduction section** is well-designed, featuring a bold heading and a neatly positioned profile image. The white background ensures good contrast, making the text easily readable. However, increasing the line height and adding a subtle border around the image could further enhance the visual appeal.

The **education section** effectively highlights school names using red text and provides a structured layout with rounded corners and shadows. While it is visually appealing, incorporating icons or a timeline-style format could make it more engaging.

The **footer** maintains a clean and simple design with a copyright notice, ensuring consistency with the header. To improve functionality, making the footer sticky and adding social media icons could enhance user engagement.

Overall, the website features a **minimalist and modern design**, with a good balance of color contrast and structure. However, small refinements such as larger headings, active navigation indicators, and additional visual elements could elevate the user experience. With these enhancements, the website can achieve a more polished and interactive look while maintaining its professional tone.