

ENSF-381: Assignment 2

Winter 2024

Department of Electrical and Software Engineering

Schulich School of Engineering

Due: February 26, 2024 at 11:59 PM

In the first part of our web development journey, we laid the foundation for your e-commerce website using HTML. Now, it is the time to take your project to the next level by adding style and visual appeal through Cascading Style Sheets (CSS). In Assignment 2, your task is to transform the application from a plain structure into an aesthetically pleasing and user-friendly online shopping experience. CSS, with its powerful styling capabilities, will allow you to control the layout, colors, fonts, and overall design of your website.

Administrative Details

- The submission should be as a single compressed file (.zip) which includes a complete source code and resources (e.g., images) ready for execution without modifications. The name of the submitted file would have the following format: “Assignment#_ENSF381_Section#_Group#”. For example: “Assignment2_ENSF381_L01_Group01”.
- When working in a group, submit ONLY ONE copy; i.e. do not submit 2 separate copies.
- Please mention the group member's name and UCID at the top of your code as source code comments in the main page (index.html).

Specifications:

The goal is to create a visually appealing and user-friendly homepage, product page, contact page, and login page. In this assignment, the focus will be on applying CSS styles over the HTML structure that you built in assignment 1.

Instruction:

- You must add **ALL of** your CSS code in the empty `styles.css` file that you created in assignment 1.
- If you have not submitted or finished assignment 1, you can get the solution of assignment 1 from the D2L and complete assignment 2. The solution of assignment 01 will be available on February 07.

Home page (index.html) - 30 Marks:

Let's revisit the homepage design from Assignment 1.

<header>: This is where your website's logo and name should be placed. The logo should be placed at the top left and the company name should be placed right after the logo.

<div>: The navigation links to other pages (home.html, products.html, contact.html, and login.html) are placed directly below the header.

<main>: Below the navigation section, where the primary content, “About Us” section should be placed. You may add the mission and vision of the company in this section. There will be a “Shop Now” button that will direct the user to the product page, and the button should be placed right under the “About Us” section. You must add at least two customer feedback in the “Customer Reviews” section. This section may contain a customer name followed by their review in a new line.

<footer>: Add a footer with a copyright notice at the bottom of your page.

Now, add the following CSS styling over the home page following the specification mentioned below:

Header <header>:

- Style the header with a background color of **#333** (dark gray), padding of **20px**, and a margin of **0**.
- Align the logo to the left and the company name to the right of the page using flexbox.

Navigation Bar<div>:

- Display the navigation bar as a flex container.
- Set **`justify-content: space-around;`** to ensure equal spacing between the navigation links.
- Use **`width: 100%;`** to make the navigation bar span the full width of the page.
- Add a contrasting background color (**#333** for dark gray) to the navigation bar for visibility.
- Ensure that each navigation link has a padding of **10px** on the top and bottom and **20px** on the left and right to provide enough clickable area for users.

<main>

About Us Section:

- Display the About US section as a flex container.
- Align the text content at the center of the section.
- Style the text content with a background color of **#ddd** (medium gray), padding of **20px**, margin of **20 px**.

Shop Now Button:

- Style the "Shop Now" button with a contrasting color of **#4CAF50** (green), padding of **10px**, rounded corners, and a margin of **20px**.

Customer Review Section:

- Display the Customer Review section as a flex container.
- Style the text content with a background color of **#ddd** (medium gray), padding of **20px**, margin of **20 px**.

Footer<footer>:

- Style the footer with a background color of **#333** (dark gray), padding of **10px**, margin of **0**, and the copyright notice in **white** text.

Upon implementing the CSS styling, your website's homepage will resemble the appearance depicted in Fig.1.

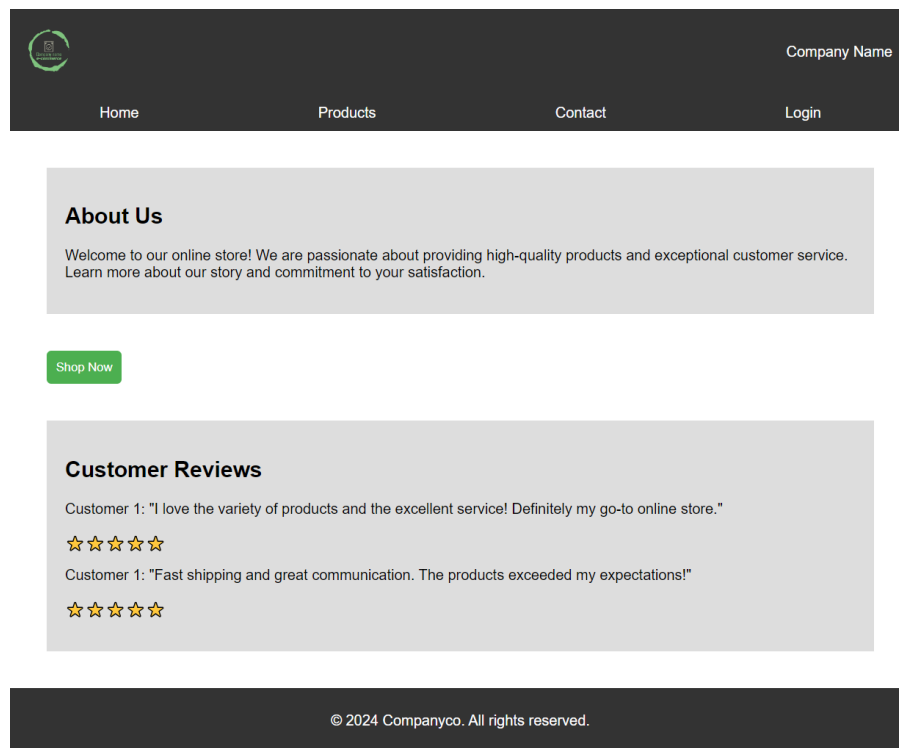


Fig.1 Node Screenshot of index.html

Product page (products.html) - 40 Marks:

Let's revisit the product page design from Assignment 1.

<header>: This is where your website's logo and name should be placed. The logo should be placed at the top left and the name should be placed right after the logo.

<div>: The navigation links to other pages (home.html, products.html, contact.html, and login.html) are placed directly below the header.

<main>: Below the navigation bar, where the primary content, including the products, should be placed. Each product must be displayed with an image of the product, followed by the name, price, and a button to add the product to the cart. Use the heading element to display the name of the product.

<footer>: Add a footer with a copyright notice at the bottom of your page.

Using the same requirements mentioned in assignment 1 (e.g., product image, name, price, and button), add 4 more products to your page before applying CSS styling to the page.

Now, add the following CSS styling over the product page following the specification mentioned below:

Header<head>: Same as homepage (index.html)

Navigation Bar<div>: Same as homepage (index.html)

<main>

Product List Section:

- Make the product list section adaptable to the screen size. The layout for the product list section in your e-commerce website adjusts or responds well to different screen sizes. Thus, it looks good and functions well on various devices, such as desktop monitors, laptops, tablets, and mobile phones.
- Style this section with a background color of **#ddd** (medium gray), padding of **20px** and margin of **20px** to enhance the visual appeal.

Product Styling:

- Display each product within a container and align the contents at the center of the container.
- Each line must display two products.
- Apply background color of **#f9f9f9** (light grey), padding of **20px**, margin of **20px**, border-radius of **10px**.
- Style the product image with a **max-width: 100%** (to make sure the image does not exceed its container), border radius of **8px**, margin-bottom of **10px**.
- Style the price text with a color of **#007BFF** (blue) and bold font.
- When hovering over a product card, change the background color of the container to **ffffff** (white)

“Add to Cart” Button:

- Style the "Login" button with a contrasting color of **#4CAF50** (green), padding of **10px**, border radius of **5px**, and a margin of **10px**.
- When hovering over the button, change the background color to **#45A049** (a slightly darker shade of green)

Footer<footer>: Same as homepage (index.html).

Upon implementing the CSS styling, your website's product page will resemble the appearance depicted in Fig.2.

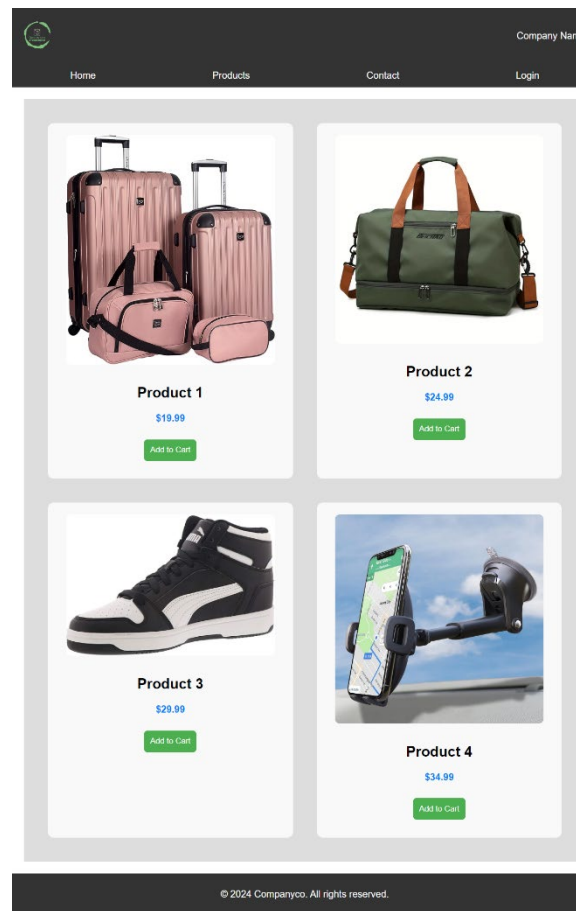


Fig.2 Node Screenshot of product.html

Contact page (contact.html) - 10 Marks:

Let's revisit the contact page design from Assignment 1.

<header>: This is where your website's logo and name should be placed. The logo should be placed at the left and name should be placed right after the logo.

<div>: The navigation links to other pages (home.html, products.html, contact.html, and login.html) are placed directly below the header.

<main>: Below the navigation bar, where the contact information should be displayed. This page must contain a message to the customers, email, phone number, and at least 2 social media links. When the user clicks on a link, they will be redirected to the social media website associated with that link.

<footer>: Add a footer with a copyright notice at the bottom of your page.

Now, add the following CSS styling over the product page following the specification mentioned below:

Header<header>: Same as homepage (index.html)

Navigation Bar<div>: Same as homepage (index.html)

<main>

Contact Information Section:

- Use flexbox to align content both vertically and horizontally.
- Style the text content with a background color of #ddd (medium gray), padding of 20px, and margin of 20px.
- Use a border-radius of 10px to round the corners of the section.

Contact Methods:

- Each contact method (Email, Phone, social media) should be contained within a div with the class "contact-method."
- Style each "contact-method" div with a background color of #ddd (medium gray), padding of 0px, and margin of 0px.
- Use a border-radius of 10px to round the corners of the div.

Social Media Links Hover Effect:

- When hovering over the social media links, change the text color to #007BFF (blue) to create a visual indication of interactivity.

Footer<footer>: Same as homepage (index.html).

Upon implementing the CSS styling, your website's contact page will resemble the appearance depicted in Fig.3.

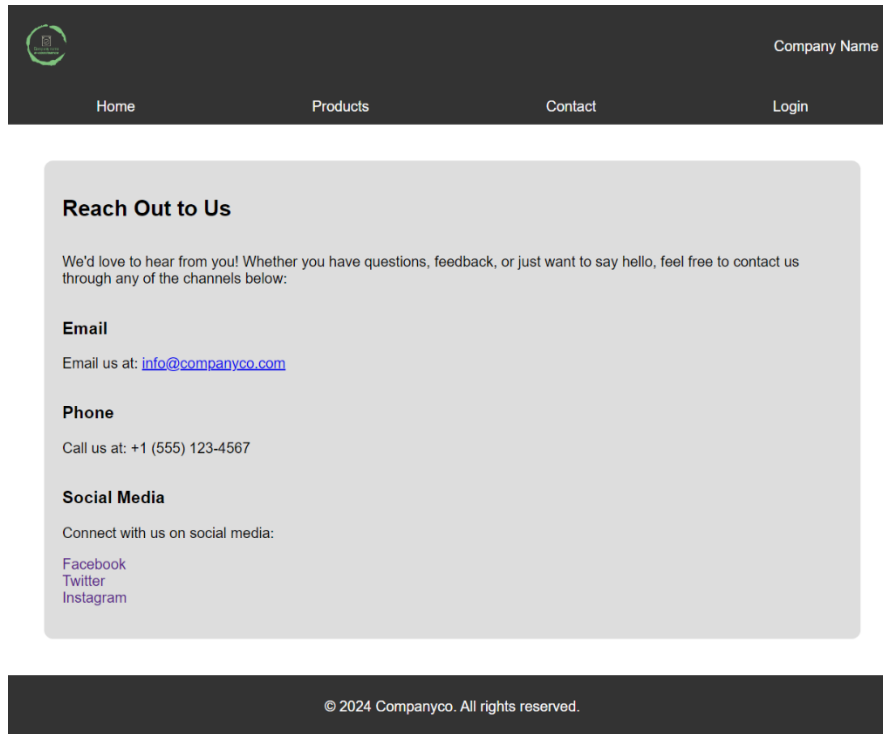


Fig.3 Node Screenshot of contact.html

Login page (login.html) - 20 Marks:

Let's revisit the login page design from Assignment 1.

<header>: This is where your website's logo and name should be placed. The logo should be placed at the left and name should be placed right after the logo.

<div>: The navigation links to other pages (home.html, products.html, contact.html, and login.html) are placed directly below the header.

<main>: Below the navigation bar, where the login form, including username, password fields, and a "Login" button, should be placed. This button will not have any functionality at this moment. Password should be masked. You also need to include a link to sign up page for new users. You do not need to create a web page for signup at this point.

<footer>: Add a footer with a copyright notice at the bottom of your page.

Now, add the following CSS styling over the product page following the specification mentioned below:

Header<header>: Same as homepage (index.html)

Navigation Bar<div>: Same as homepage (index.html)

<main>

Login Form Section:

- Use flexbox to align content both vertically and horizontally.
- Align the content of the flexbox at the center of the section.
- Style the text content with a background color of **#ddd** (medium gray), padding of **20px**, margin of **20px**.
- Use a border-radius of **10px** to round the corners of the form.

Form Fields:

- Style the label of the form fields in a block container and margin of **10px**.
- Style the form fields with a background color of **#fff** (white), padding of **10px**, margin of **10px**.
- Add a border-radius of **5px** to round the corners of the fields.
- Add placeholder text in the username and password fields.

“Login” Button:


- Style the "Login" button with a contrasting color of **#4CAF50** (green), padding of **10px**, border radius of **5px**, margin of **10px**, and opacity of **0.5**.
- Add a hover effect by changing the background color to **#45A049** (a slightly darker shade of green) and opacity of **1.0**.

Signup Link:

- Style the signup link with a contrasting color of **#007BFF** (blue), underline on hover, and a margin of **10px**.

Footer<footer>: Same as homepage (index.html).

Upon implementing the CSS styling, your website's login page will resemble the appearance depicted in Fig.4.



Company Name

Home

Products

Contact

Login

Username:

Password:

Login

Don't have an account? [Sign up here](#)

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Fig.4 Node Screenshot of login.html