

WEB PROGRAMMING



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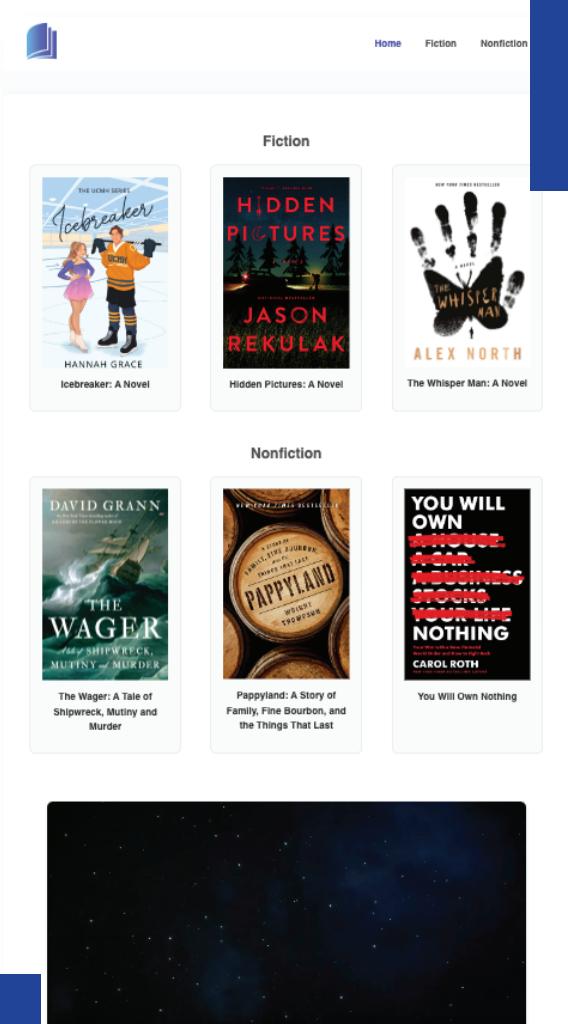


1

INTRODUCTION

1.

INTRODUCTION



In an age where the digital realm dominates, almost every product and service has embraced the online platform, and books are no exception. Capturing this momentum and the undying passion for reading, I am excited to unveil my digital bookstore.. This website serves as an online platform tailored for book lovers, scholars, students, and anyone with an insatiable appetite for knowledge. By venturing into the online space, my bookstore hopes to make my diverse range of books easily accessible to a broader audience, transcending geographical boundaries.

The main objective behind this initiative is to fortify bookstores' digital presence. I am confident that this digital gateway will meet the contemporary demands of readers and simultaneously foster and grow a community centered around books. Transitioning my inventory online also positions us to elevate my sales, tap into new customer demographics, and stay adaptive amidst shifting market dynamics.

This document seeks to provide a holistic blueprint for the conceptualization, design, and execution of the online bookstore website. Serving as a guiding manual, it will ensure that all stakeholders are aligned with the project's vision and goals. Through this document, I will outline the specifications, requirements, and standards required to craft a user-friendly and efficient online book-selling platform.

2

PROJECT DESCRIPTION

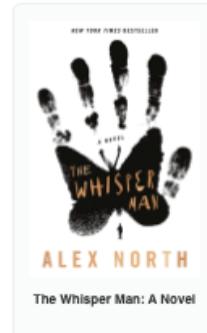
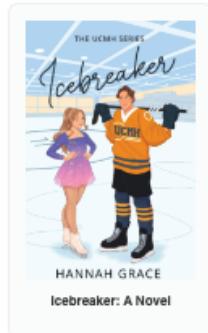
2.1.

FEATURES OF THE WEBSITE

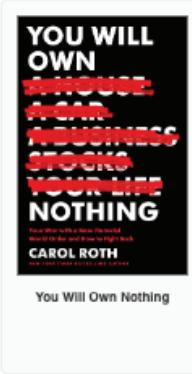
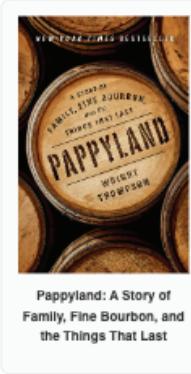
In today's digital commerce landscape, creating a seamless and intuitive user experience (UX) is of paramount importance, especially for online bookstores where the tactile joy of browsing is replaced by digital interfaces. My newly developed online bookstore website incorporates several features to enhance this digital interaction

Firstly, books are categorized into two primary divisions, Fiction and Nonfiction, with each further segmented into specific subcategories, allowing users to easily refine their searches based on preferences. Each primary category is further subdivided into specific genres or themes, enabling users to refine their search and discover books that align more closely with their interests..

Fiction

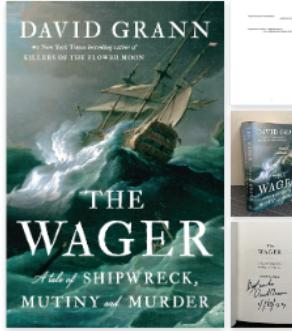


Nonfiction



Each book is accompanied by its official cover image. To further enhance the user's perception, images of the book in real-life settings and from varied angles are also displayed, offering a clearer understanding of the book's physical dimensions and print quality. The page provides concise yet essential details about the book, including a brief content summary, more information, price. For users interested in buying, an 'Add to Cart' functionality has been seamlessly integrated, promoting ease of purchase, especially for those intending to buy multiple books.

[Home](#) > [Nonfiction](#) > The Wager: A Tale of Shipwreck, Mutiny and Murder



DAVID GRANN
#1 New York Times bestselling author of
KILLERS OF THE FLOWER MOON

THE WAGER
A Tale of SHIPWRECK,
MUTINY and MURDER

\$27.00

Add To Cart

This seamless slam-dunk of epic history-telling from the author of the bestselling *Killers of the Flower Moon* is an eighteenth-century puzzle of high seas intrigue, a fateful shipwreck, mutiny, and a real-life "Lord of the Flies" descent into mayhem, culminating in a gripping courtroom battle where opposing truths hang in the balance. Rousing, engrossing, and such a ride!

#1 NEW YORK TIMES BESTSELLER • From the author of *Killers of the Flower Moon*, a page-turning story of shipwreck, survival, and savagery, culminating in a court martial that reveals a shocking truth. The powerful narrative reveals the deeper meaning of the events on *The Wager*, showing that it was not only the captain and crew who ended up on trial, but the very idea of empire.

Contact Us

Contact Purpose: I want to sell books

Your Name:

Your Email:

Your Phone:

How can we contact you?

By email By phone

Do you want to receive our weekly newsletter?

Yes No

Your Note:

Submit **Reset**

Recognizing the value of user engagement, a feedback mechanism is embedded in the form of a contact form, permitting users to share feedback, suggestions, or pose questions.

Furthermore, to foster trust, all relevant legal and compliance information is prominently displayed, ensuring users are fully informed of their rights and terms of service.

In essence, our website's design and functionalities aim not just to display books, but to offer an enriched, transparent, and user-centric digital browsing experience.

2.2.

GAINED SKILLS

Throughout the journey of building this website, I have acquired valuable insights and skills that go beyond just coding. Here's a breakdown of my learnings:

Core Web Development Skills: My foundational skills in HTML and CSS were put to the test, pushing me to understand the nuances of layout design and styling. Ensuring each element was cohesive and intuitive was paramount, giving users a seamless browsing experience.

JavaScript and Mobile Responsiveness: The challenging task was to integrate JavaScript functionalities to craft a responsive hamburger menu tailored for mobile views. The task reinforced the need for a website to be dynamic and easily navigable, irrespective of the device.

UI/UX Design Principles: Despite having been introduced to User-Centered Design (UCD) principles in a previous course, this project was my first real-world application of those concepts. It highlighted the significance of intuitive layout presentation and how a well-thought-out UI/UX can enhance user satisfaction and overall site engagement.

File Management: Venturing into web development for the first time, managing a plethora of files was daunting. This experience underscored the importance of structuring a project directory efficiently, teaching me the essence of systematic and logical file management.

3

IMPLEMENTATION DETAILS

3.1.

IMPLEMENTATION DETAILS

To design the website, a systematic approach was employed, which began with defining the essential elements to be included in each web page. This was achieved by listing out all the elements that I believed would enhance the user experience and aligning them with the website's objectives and code all of them into HTML files=. After identifying the elements, they were styled using CSS, ensuring a consistent and visually appealing look throughout the platform.

Recognizing the similarity in structure between the homepage, fiction, and non-fiction sections, a singular HTML template was used for these pages. The uniformity promotes a seamless user experience and aids in easier website maintenance. However, a distinction was made on the homepage by incorporating a video just above the footer, providing users with visual content that not only engages but also offers added value.

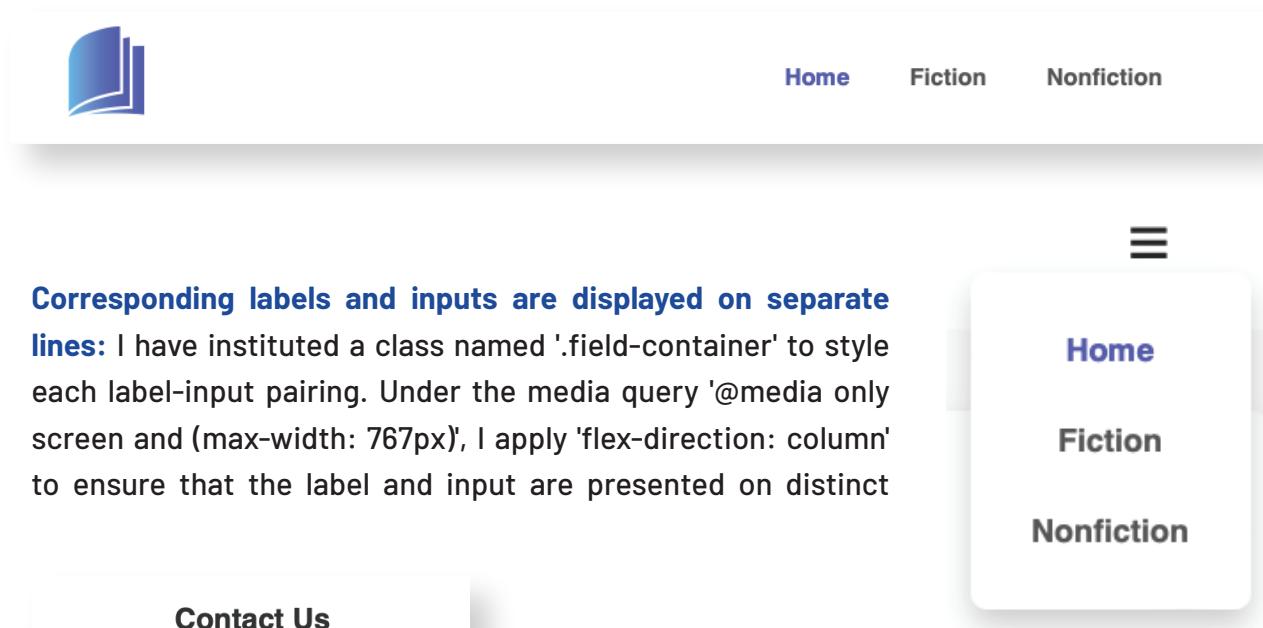
For individual book details, a base template was crafted for one book, and separate HTML files were created corresponding to each book. This decision was driven by the need to offer unique information and visuals specific to each book while maintaining a consistent structure for ease of navigation and familiarity for the users.

A dedicated HTML file was reserved for the website's contact page, a vital component for user interaction and feedback.

Consistency being key, each page of the website incorporates the same header and footer. This uniformity not only enhances branding but also offers users predictable navigation tools regardless of the page they are on. A particularly important design feature is the adaptive header, which transforms into a hamburger menu when viewed on mobile devices. Moreover, one of the pivotal design decisions made was to ensure the website is fully responsive. This means that regardless of whether a user accesses the website via a smartphone, tablet, or desktop computer, they will experience a layout that is optimized for their specific device, ensuring easy navigation, legibility, and a seamless user experience. This adaptability to various devices is crucial in today's digital age, where users expect fluidity and consistency across all browsing platforms.

Below, I will present some features as well as requirements that I implemented in my website.

Hamburger Menu: In the default state (under the media query '@media only screen and (max-width: 767px)'), the hamburger button is set to be visible (with 'display: block') while the menu is concealed ('display: none'). When the menu possesses the 'active' class (which is appended by JavaScript upon clicking the hamburger button), the menu becomes visible with the property set to 'display: flex'

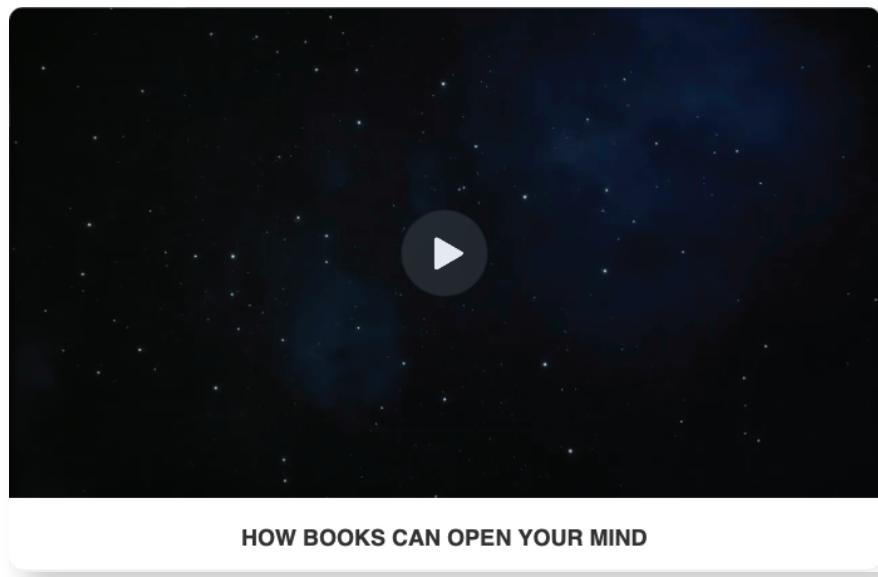


Corresponding labels and inputs are displayed on separate lines:

I have instituted a class named '.field-container' to style each label-input pairing. Under the media query '@media only screen and (max-width: 767px)', I apply 'flex-direction: column' to ensure that the label and input are presented on distinct

A comparison of a contact form's layout between desktop and mobile devices. On the left, the desktop version shows the form fields in a standard grid layout: 'Contact Purpose' (dropdown), 'Your Name' (text input), 'Your Email' (text input), 'Your Phone' (text input), 'How can we contact you?' (checkboxes for email and phone), 'Do you want to receive our weekly newsletter?' (radio buttons for Yes/No), 'Your Note' (text area), and two buttons: 'Submit' and 'Reset'. On the right, the mobile version shows the same fields, but the labels and inputs are stacked vertically within their respective '.field-container' boxes, demonstrating the 'flex-direction: column' styling mentioned in the text. The 'Contact Purpose' dropdown is also shown with its current selection, 'I want to sell books'.

Video: On the main page, I have integrated a video highlighting the benefits of reading. I've devised a class named 'video-container' for both the video and its title. Additionally, a hover effect has been applied to enhance user interactivity when the cursor hovers over the video.



breadcrumb: Breadcrumbs have been integrated into the detailed pages of the books. Breadcrumbs are defined within a `<div>` tag bearing the class 'detail-breadcrumb'. Each element of the breadcrumb is wrapped within a `` tag. Links to other pages are generated using the `<a>` tag

[Home](#) > [Fiction](#) > [Icebreaker: A Novel](#)

More Information: Additional information has also been integrated by me to prevent my website from having broken URL links. Due to time constraints, I have directed all headers such as About Us, Privacy Policy, Terms, and Copyright to a single link that consolidates the content of all those sections.

About Us:

Welcome to Our Book Store, your one-stop destination for the world's best literature. Established in 2023, we are a young yet passionate team dedicated to bringing the magic of reading into the hands of avid readers everywhere. Nested in the heart of the city, Our Book Store curates a wide array of books ranging from classics to contemporary fiction to non-fiction, and everything in between. Our mission is to foster a love for reading and provide a platform where everyone, young and old, can find a book that resonates with their soul.

Privacy Policy:

At Our Book Store, your privacy is paramount.

- **Information Collection:** We gather only essential details like your name, address, email, and payment info to process orders and enhance your shopping experience.
- **Information Usage:** We use your data exclusively for order processing and newsletters (if you opt-in). Your data isn't sold or shared with third parties.
- **Protection Measures:** With SSL encryption and robust security measures, we ensure your data's safety against unauthorized breaches.
- **Cookies:** To improve your experience, we use cookies—small files that help the site recognize your browser and remember certain data.
- **Opt-out:** You can easily unsubscribe from our newsletters by clicking the 'unsubscribe' link in any email.

By using our website, you consent to our Privacy Policy.

Terms of Service:

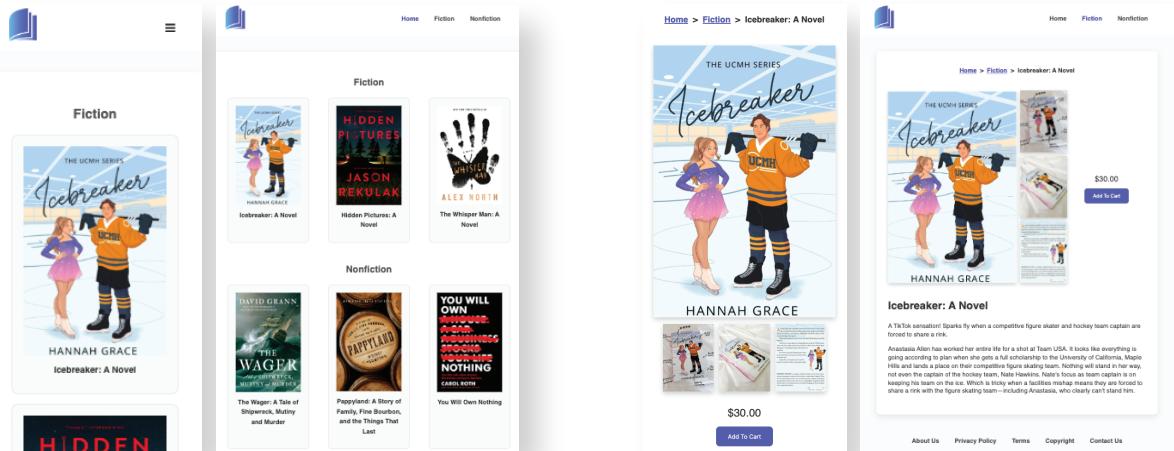
Welcome to Our Book Store. By using our website, you agree to the following terms:

- **Usage Rights:** All content on this website, including text, graphics, and logos, is the property of Our Book Store and protected by international copyright laws.
- **Account Responsibility:** Users are responsible for maintaining the confidentiality of their account and password.
- **Order Acceptance:** We reserve the right, at our sole discretion, to accept or decline any order. Prices of our products are subject to change without notice.
- **Returns:** Any returns or exchanges will be subject to our Return and Refund Policy.
- **Limitation of Liability:** Our Book Store shall not be liable for any direct, indirect, incidental, or consequential damages resulting from the use or inability to use our services.

Copyright Notice:

All content found on the Our Book Store website, including graphics, text, logos, images, and software, is the exclusive property of Our Book Store or its content suppliers and protected by international copyright laws. The compilation of all content on this site is the exclusive property of Our Book Store and protected by international copyright laws. Any unauthorized use, including reproduction, modification, distribution, transmission, republication, display, or performance, is strictly prohibited.

Responsive Home Page: Each book category (e.g., Fiction, Nonfiction) is housed within a `<section>` element with a class named 'main-category'. Within each book category, individual books are enumerated using `<div>` elements characterized by the class 'main-category-content-item'. To ensure a flexible display, a Grid layout is employed for the `.main-category-content` element. Under the media query '@media only screen and (max-width: 767px)', the setting 'grid-template-columns: 1fr;' is applied to optimize the appearance on mobile devices.



Responsive Book Page: The primary image is wrapped within a div with a class named `.detail-content-section-image-large`. It is centered both horizontally and vertically within this div. On desktop screens, the height of the larger image adjusts automatically based on its width, but it does not exceed a maximum height of 500px. On mobile screens (with screen size $\leq 767\text{px}$), this image spans the entire screen width, and its height is adjusted automatically. Secondary images are located within a div labeled as `.detail-content-section-image-small`. On desktops, these smaller images are arranged vertically. On mobile screens, they are aligned horizontally and are centered on the screen. The cumulative width of these three smaller images is 300px, with each image sharing an equal width. Directly below, there will be the price of the book followed by the 'add to cart' button.

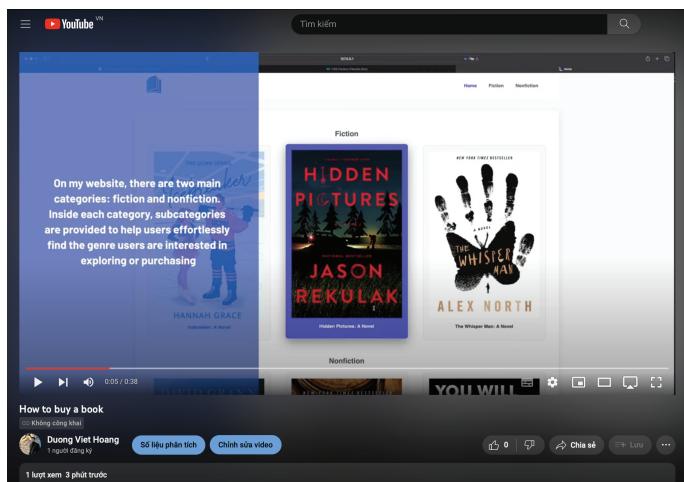


Hover: To enhance interactivity, an effect is triggered when hovering over a book and 'add to cart' button. As the cursor moves over the book, a shadow appears underneath it (box-shadow). Simultaneously, the book's 'add to cart' buttons' background color undergoes a change. All book images are configured to occupy the full width of their containing element, and their height adjusts automatically to maintain the original aspect ratio.

3.2.

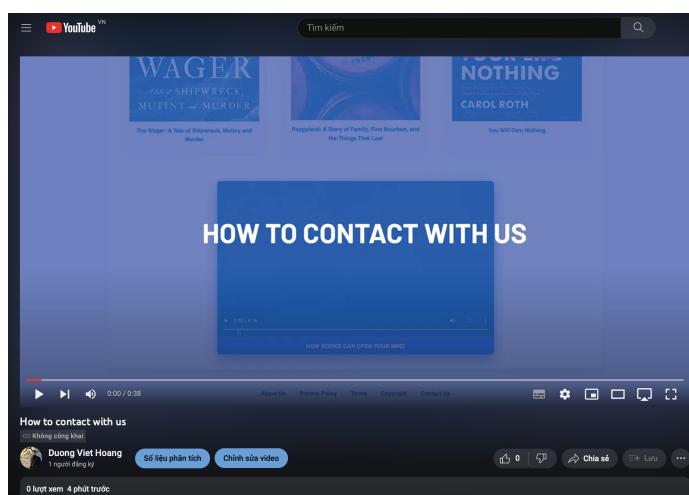
TUTORIAL

On my website, there are two main categories: fiction and nonfiction. Inside each category, subcategories are provided to help users effortlessly find the genre users are interested in exploring or purchasing. Users can access these categories by clicking on the header or simply by selecting from the website's main body. By navigating to a specific book page, users will be presented with details such as the book's name, genre, price, and a concise summary. Obviously, users can also add their desired book to the cart for checkout.



access <https://youtu.be/SzXMQ2oXyhg> for more specific

On any page of our website, users can scroll down to the very bottom to access our contact page. Here, users can specify whether users are a seller or a buyer, as well as provide some personal information for easier future communication. At the end of the form, there is a space for users to include additional details, helping admins better understand users' specific situation or request. Once all information is filled in, simply hit the 'submit' button to finalize users' inquiry.



access <https://youtu.be/U8vKrlvrbGM> for more specific

4

CONCLUSION & REFERENCE

CONCLUSION & REFERENCE

While my online bookstore brings a curated reading experience to users, there remain aspects requiring attention. My website's initial framework offers primary categorization into 'fiction' and 'non-fiction', but the diversity within these subcategories is still wanting. Additionally, the current volume of books available is not exhaustive, and the absence of a search function hampers the ease of book discovery. However, I am optimistic about the platform's evolution. Future enhancements include the incorporation of book reviews, personalized book recommendations based on user history, exclusive author and viewers' interviews, an improved search mechanism, and features allowing users to create profiles, maintain wish lists, and partake in online reading challenges. As I integrate these facets, my goal is to create an online where each reader feels deeply engaged and catered to by my diverse book selections.

Below is some sources and links I consult in the progress of building this website:

<https://chat.openai.com/>

<https://csslayout.io/>

<https://demoqa.com/elements>

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>