

Project File

TrendHub Website



New Galaxy Secondary School (NGSS)

Nadipur, Pokhara

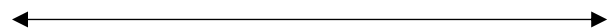


Submitted By,
Shishir Sunar

Submitted To,
Swyamshu Shrestha

RECOMMENDATION

It is certified that Mr. Shishir Sunar has conducted the project work entitled "Designing an Effective Landing Page using HTML and CSS" under my supervision and guidance. I recommend the project work in the partial fulfill for the requirement of Grade XII of Computer Science .



Supervisor

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I would also like to thank all the faculties and staffs of New Galaxy Secondary School, Pokhara. Last but not the least, I would like to thank my family and friends for their wonderful support in finishing this project within the limited period.

ABSTRACT

"TrendHub" seamlessly blends fashion and functionality through the harmonious integration of HTML, CSS, and JavaScript. The website's foundation is built upon HTML, providing the structural framework for a user-friendly and organized layout. CSS steps in to elevate the visual appeal, using styles to shape the aesthetic essence of each page, from the striking main page to the detailed product showcases.

The website's clean and responsive layout ensures a seamless browsing experience, whether you're exploring it on your PC or mobile device. The inclusion of categories like shoes and shades reflects a commitment to providing a comprehensive fashion solution. The bold color palette, highlighted by the signature #EE1C47, adds a touch of vibrancy to the overall aesthetic.

In essence, "TrendHub" goes beyond being a mere shopping destination; it's a fashion haven where individuals can express their style, embrace trends, and find the perfect pieces to complement their personal taste.

INTRODUCTION

Welcome to **TrendHub** – Your Ultimate Fashion Destination!

At **TrendHub**, we believe that fashion is a statement, and each individual has a unique style waiting to be expressed. Our website is more than just an online store; it's a hub of trends, inspiration, and curated collections tailored to your fashion-forward lifestyle.

Explore Fashion Trends:

Dive into our hero section to discover the latest trends, curated with precision to keep you at the forefront of style. From timeless classics to cutting-edge looks, **TrendHub** is your go-to source for all things fashion.

Shop with Confidence:

Browse our carefully selected products in the products section, featuring high-quality images and detailed descriptions. Your style journey begins with a simple click – add to cart and elevate your wardrobe effortlessly.

Connect with Us:

Visit our About Us page to learn more about the **TrendHub** story and mission. Follow us on Facebook, Twitter, and Instagram for daily doses of fashion inspiration and updates.

Get in Touch:

Have questions or suggestions? Our Contact Us page is designed for seamless communication. Reach out to us via the provided form, and our dedicated support team will assist you promptly.

DESIGN CONCEPT AND INSPIRATION

TrendHub's website is a visual symphony of minimalism and avant-garde style, drawing inspiration from the ever-evolving landscape of fashion. The hero section welcomes visitors with sleek design elements and vibrant visuals, creating an immersive experience that reflects **TrendHub's** commitment to staying at the forefront of trends. Navigating through the site feels intuitive, ensuring users effortlessly explore curated fashion collections. The About Us page unveils the brand's journey, providing a genuine connection with its audience. Social media logos serve not just as links but as visual representations of **TrendHub's** dynamic presence across platforms. The Contact Us page, adorned with Facebook, Twitter, and Instagram logos, encourages seamless interaction. With a design ethos rooted in individuality and community, **TrendHub's** website stands as a testament to the dynamic and diverse world of fashion.

Requirements Analysis

○ Functional Requirements:

- User Registration and Login: Users are be able to create accounts with unique usernames and passwords.
- Product Listings: Clear product listings with high-quality images, detailed descriptions, and pricing information.
- Responsive Design: Ensures the website is accessible and functional across various devices, including desktops, tablets, and smartphones.
- Social Media Integration: Options for users to share favorite products on social media platforms.
- Contact Form and Customer Support: Features a contact page with a user-friendly form, facilitating users in reaching out to prompt and helpful customer support to address queries, concerns, and feedback effectively.

○ Non-functional Requirements:

- Performance: The website should respond promptly to user interactions, ensuring fast loading times and smooth navigation.
- Security: TrendHub must implement robust security measures to protect user data, including personal information and payment details.
- Scalability: The website should be scalable to accommodate a growing number of users and increasing data loads, ensuring it remains effective as the business expands.

○ User Roles:

- Visitor: Users who navigate TrendHub without creating an account. They can browse products, view information, and access certain sections of the website.
- Registered User: Individuals who have created an account on TrendHub. They can log in, save preferences, and access additional features like order history.
- Customer: Users who make a purchase on TrendHub. They engage in transactions, manage their shopping carts.

○ Search Functionality:

- Comprehensive Search Results: The search functionality yields detailed and relevant results, ensuring users can find specific products, categories, or brands.
- Advanced Filters: Provide filters to refine search results and enhance user experience.

- **Responsive Design:**
 - **Mobile Compatibility:** Ensure that the website's design seamlessly adapts to different devices, including smartphones, tablets, and desktops.
 - **Cross-browser Compatibility:** Verify that the website functions correctly on popular web browsers such as Chrome, Firefox, Safari, and Edge.
- **User Engagement Features:**
 - **Interactive Product Descriptions:** Engaging and informative product descriptions that include details, visuals, and possibly user-generated content like reviews or ratings.
 - **Responsive Customer Support:** A responsive customer support system that addresses queries, concerns, and feedback promptly, enhancing overall user satisfaction.

The requirements analysis forms the foundation for the development of TrendHub , ensuring that the website meets user expectations, security standards, and performance benchmarks.

TARGET AUDIENCE

TrendHub caters to a diverse audience of individuals who appreciate the richness of thought-provoking content and seek a platform that encapsulates a broad spectrum of interests. The primary target audience includes:

Fashion Enthusiasts: TrendHub caters to individuals who have a keen interest in fashion, offering them a platform to discover the latest trends, styles, and fashion innovations.

Trend-Savvy Shoppers: For those who prioritize staying ahead of the curve in their fashion choices, TrendHub provides a curated space where they can find and shop for the most current and stylish items.

Style Bloggers and Influencers: TrendHub welcomes style influencers and fashion bloggers, providing a space for them to explore, curate content, and share their unique perspectives on emerging trends.

General Shoppers: Beyond the fashion-forward audience, TrendHub is designed to be accessible to anyone looking for a diverse range of clothing and accessories, ensuring there's something for everyone.

Fashion Industry Professionals: TrendHub serves as a valuable resource for professionals in the fashion industry, offering insights into consumer preferences, emerging trends, and potential collaborations.

By addressing the needs and interests of these diverse target audiences, TrendHub aims to create a vibrant and inclusive online fashion community.

DESIGN PHASE FOR TRENDHUB

Wire framing: Develop basic wireframes outlining the skeletal structure and layout of each webpage. This helps in visualizing the placement of elements, such as buttons, images, and navigation.

Mockups: Create detailed, static representations of the webpages using graphic design tools. Mockups provide a clearer understanding of the visual aesthetics, color schemes, and overall design elements.

Prototyping: Build interactive prototypes that simulate the user experience. This allows for testing and refining the website's functionality before development begins.

Style Guide: Establish a style guide defining the visual elements, typography, color palette, and branding guidelines. Consistency in design elements contributes to a cohesive and professional appearance.

User Feedback: Gather feedback on wireframes, mockups, and prototypes from stakeholders and potential users. This iterative process ensures that the design aligns with user expectations.

Responsive Design: Ensure that the design is responsive, adapting seamlessly to various screen sizes and devices. This is crucial for providing a consistent experience across desktops, tablets, and smartphones.

Accessibility Considerations: Incorporate accessibility features to ensure that the website is usable by individuals with diverse abilities. This includes providing alternative text for images, ensuring keyboard navigation, and other considerations.

Usability Testing: Conduct usability testing sessions to identify any potential issues with the user interface. Feedback from testing helps refine the design for optimal user experience.

Final Approval: Obtain final approval from stakeholders before moving on to the development phase. This ensures alignment with business goals and user expectations.

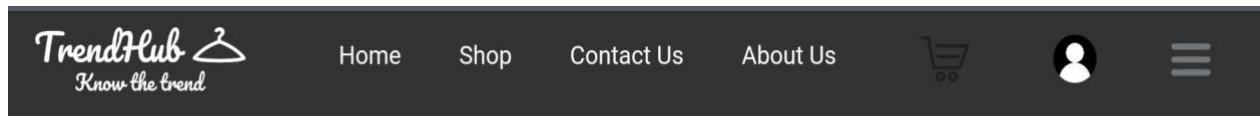
The design phase for TrendHub involves translating the gathered requirements into a visual and interactive experience.

SAMPLE IMAGES OF THE WEBSITE (TrendHub) AND DETAILS

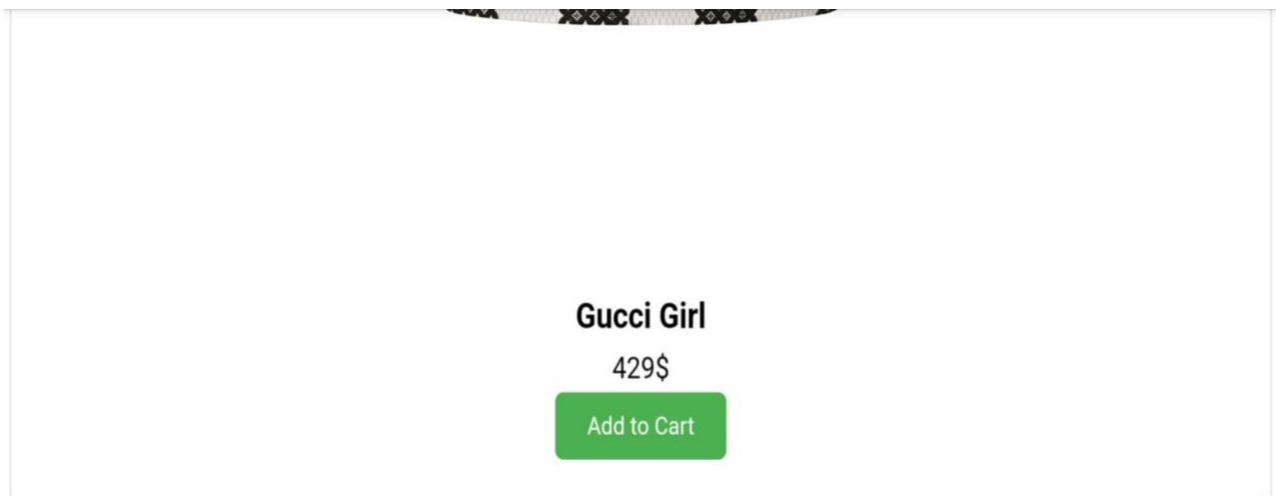
(Note: Bottom of all the pages have the same footer and featured articles space)

Home Page

Top



Bottom



Functionality

The Home Page of TrendHub serves as the central hub, offering a comprehensive overview and easy navigation to various sections of the website. Key features include:

Logo and Branding:

- Display the TrendHub logo for brand recognition.

Navigation Bar:

- Clearly defined navigation bar with links to Home, Shop, Contact Us, and About Us.

Active Page Indicator:

- Visual indication of the active page, e.g., highlighted “Home” when on the home page.

Cart and User Icons:

- Icons for the shopping cart and user profile for quick access.

Login Interface:

- A user-friendly login interface that pops up upon clicking the user icon.

Responsive Design:

- Ensure the home page is responsive for a seamless experience on various devices.

User Interface Elements:

- Clearly visible and clickable buttons for ease of navigation.





The Home Page of TrendHub is a dynamic and inviting entry point, designed to captivate users' interest, provide easy access to diverse content, and foster engagement with the platform's offerings.

HOME PAGE TAGS AND THEIR DESCRIPTION

index.html Tag	Description
<code><!DOCTYPE html></code>	Document type declaration specifying the HTML version and document type.
<code><html></code>	Root element of an HTML document.
<code><head></code>	Contains metadata about the HTML document, such as character set, viewport settings, and stylesheets.
<code><meta></code>	Represents metadata that cannot be represented by other HTML meta-related elements.
<code><link></code>	Defines the relationship between the current document and an external resource, like a stylesheet.
<code><title></code>	Sets the title of the HTML document, which appears in the browser's title bar or tab.
<code><body></code>	Contains the content of an HTML document, such as text, images, links, etc.
<code><nav></code>	Represents a navigation menu.
<code><div></code>	Defines a division or a section in an HTML document.
<code></code>	Defines an unordered list.
<code></code>	Defines an ordered list.
<code></code>	Represents a list item in an ordered or unordered list.

index.html Tag	Description
<a>	Defines a hyperlink, allowing users to navigate to another page or resource.
<form>	Represents an HTML form for user input.
<input>	Represents an input field where the user can enter data.
<button>	Represents a clickable button.
	Embeds an image into the HTML document.
<h1>, <h2>, ..., <h6>	Heading elements, where <h1> is the highest level and <h6> is the lowest.
<p>	Represents a paragraph.
	Inline container used to apply styles or scripting to a specific section of text.
<svg>	Defines a container for SVG graphics.
<hr>	Represents a thematic break or separation in an HTML document.
 	Represents a line break within text.
<style>	Contains style information for a document, either inline or as an external resource.
	Represents bold text.
<i>	Represents italicized text.
<u>	Represents underlined text.
<blockquote>	Represents a section that is quoted from another source.
<footer>	Represents the footer of a section or page.

Contact Page


[Home](#)
[Shop](#)
[Contact Us](#)
[About Us](#)




Contact Us

Name:

Email:

Subject:

Functionality

The Contact Page on TrendHub serves as a direct channel for users, providing essential information and a means of communication. It includes:

Contact Form:

- A user-friendly contact form with fields for name, email, subject, and message.

Interactive Elements:

- Include interactive elements to enhance user engagement, such as drop-down menus and radio buttons.

Submit Button:

- Clearly labeled and visually distinct submit button for users to send their inquiries.

Contact Information:

- Display essential contact information, including email address, phone number, and physical address (if applicable).

Social Media Integration:

- Links or icons to TrendHub's social media profiles for users who prefer alternative communication channels.

Response Time Information:

- Provide an estimated response time or set expectations for when users can anticipate a reply.

The Contact Page acts as a bridge, fostering seamless communication between users and TrendHub , enhancing user engagement, and providing a direct avenue for inquiries and feedback.

CONTACT PAGE TAGS AND THEIR DISCRIPTION

contact.html Tag	Description
<!DOCTYPE html>	Document type declaration specifying the HTML version and document type.
<html>	Root element of an HTML document.
<head>	Contains metadata about the HTML document, such as character set, viewport settings, and stylesheets.
<meta>	Represents metadata that cannot be represented by other HTML meta-related elements.
<meta>	Provides a hint to the browser about the compatibility of the document with the edge mode of IE.
<meta>	Sets the viewport settings for the document.

contact.html Tag	Description
<link>	Defines the relationship between the current document and an external resource, like a stylesheet.
<link>	Adds a Font Awesome stylesheet for icons.
<title>	Sets the title of the HTML document, which appears in the browser's title bar or tab.
<body>	Contains the content of an HTML document, such as text, images, links, etc.
<nav>	Represents a navigation menu.
<div>	Defines a division or a section in an HTML document.
	Defines an unordered list.
	Represents a list item in an ordered or unordered list.
<a>	Defines a hyperlink, allowing users to navigate to another page or resource.
<form>	Represents an HTML form for user input.
<input>	Represents an input field where the user can enter data.
<button>	Represents a clickable button.
<i>	Represents italicized text.
<div>	Defines a division or a section in an HTML document.
<form>	Represents an HTML form for user input.
<input>	Represents an input field where the user can enter data.
<div>	Defines a division or a section in an HTML document.
<h2>	Represents a heading of level 2.
<p>	Represents a paragraph.

CSS

There is mainly five CSS parts used for this website creation, the style.css gives the divs their layouts and margins, the utility.css gives the correct format to the elements like button and pages their widths, the TrendHub post.css controls the plogpost page layouts, the mobile.css gives the website its fine details, the contact.css controls the contact page layout, These five CSS combine and work together for creating TrendHub.

STYLE.CSS TAGS AND THEIR DESCRIPTION

style.css Tag	Description
*	Universal selector for setting default styles (margin, padding, text-decoration) to zero
.navigation	Styles for the navigation bar
.nav-left	Styles for the left side of the navigation bar
.nav-left span	Styles for the navigation bar text
.nav-left ul	Styles for the navigation bar unordered list
.nav-left ul li	Styles for the navigation bar list items
.nav-left ul li a	Styles for the navigation bar links
.content	Styles for the main content area
.content::after	Styles for a pseudo-element after the content
.content-left	Styles for the left side of the content
.content-right	Styles for the right side of the content
.content-right img	Styles for images in the right side of the content
.home-articles	Styles for the home articles section
.home-article	Styles for a home article
.home-article img	Styles for images within home articles
.home-article-content	Styles for the content within home articles

style.css Tag	Description
.home-article-content a	Styles for links within home article content
.footer	Styles for the footer section
.footer a	Styles for links within the footer

CONTACT.CSS TAGS AND THEIR DESCRIPTION

contact.css Tag	Description
*	Universal selector to reset margin, padding, and box-sizing
.contact-content	Styles for the contact content section
.contact-content::after	Styles for the pseudo-element after the contact content
.form-content	Styles for the form content section
.form-content .left-side	Styles for the left side of the form content
.form-content .left-side::before	Styles for the vertical line before the left side
.form-content .left-side .details	Styles for the details within the left side
.form-content .left-side .details i	Styles for icons within the details
.form-content .left-side .details .topic	Styles for the topic within the details
.form-content .left-side .details .text-one, .form-content .left-side .details .text-two	Styles for text within the details
.form-content .right-side	Styles for the right side of the form content
.form-content .right-side .topic-text	Styles for the topic text within the right side
.right-side .input-box	Styles for the input box within the right side
.right-side .input-box input, .right-side .input-box textarea	Styles for input and textarea within the input box
.right-side .message-box	Styles for the message box within the right side
.right-side .input-box textarea	Additional styles for textarea within the input box
.right-side .button	Styles for the button within the right side
.right-side .button input[type="button"]	Styles for the button input type

contact.css Tag	Description
<code>.button input[type="button"]:hover</code>	Styles for the button on hover
<code>@media (max-width: 950px)</code>	Media query for screen widths up to 950px
<code>@media (max-width: 820px)</code>	Media query for screen widths up to 820px

TESTING OF SITE(TrendHub)

Test Number	Functionality	Test Description	Input	Expected Output	Inference
1	Navigation bar Linking	Checking if the navigation bar properly links the intended pages.	Clicking on links	Arrival on intended pages	Success
2	Top link	Examining whether the top link takes us to the top of the correct page.	Following the top links	Appearance of the top section of the same page	Success
3	Proper Formatting	Ensuring proper formatting of mainly CSS across several devices	Running the website on different devices	Consistency in formatting throughout	Success
4	Transition effects	Making sure that the transition effects are working as intended	Hovering mouse over the element	Appearance of intended transition	Success
5	Loading of elements	Ensuring the required elements, pictures are loaded in	Refreshing the site, a couple times	Related elements stay loaded in	Success

Codes Used on The Website

Link For HTML Used (Google Drive)

<https://drive.google.com/file/d/1KgOzvcUOL-3aWkaRih-TEPStk79v8pHh/view?usp=drivesdk>

Link For CSS Used (Google Drive)

https://drive.google.com/file/d/1KeJkRKW_9BFhbXWuMVy3Fx6fjP38OnBh/view?usp=drivesdk

Link For IMAGES Used (Google Drive)

https://drive.google.com/file/d/1Km9ToShOuB8Ay2RUteqbWg_V-rfrv_Fm/view?usp=drivesdk

(Note: The following Contains all the codes used in the website development, download all the files before opening the pages of TrendHub)

CONCLUSION

In conclusion, TrendHub is designed to offer a cutting-edge and user-centric online shopping experience in the realm of fashion. With a sleek and intuitive interface, it caters to the diverse needs of fashion enthusiasts, providing an extensive range of products organized into user-friendly categories. The website prioritizes functionality with features such as a responsive design, seamless checkout process, and secure payment options, ensuring convenience and trust for its users. By fostering user engagement through account creation, personalized recommendations, and clear communication of discounts, TrendHub aims to establish itself as a go-to destination for fashion-forward individuals. The website's commitment to prompt and helpful customer support further enhances the overall satisfaction of its users, making TrendHub a dynamic and reliable platform in the ever-evolving world of online fashion.

References:

- W3Schools (2023). HTML Tutorial.
Retrieved from <https://www.w3schools.com/html/>
- Youtube –Tech2 etc <https://youtu.be/9FD2ugeS4OU?si=y84hGgYMghsXfZYc>

Glossary:

Cutting-edge: Incorporating the latest and most advanced features or technology.

User-centric: Designed with the user's needs, preferences, and experience in mind.

Sleek: Elegant, stylish, and modern in design.

Intuitive: Easy to understand and navigate without the need for extensive instructions.

Diverse: Varied and inclusive, catering to a broad range of preferences and tastes.

User-friendly: Designed to be easily understood and operated by users.

Responsive design: Adapts and functions well across different devices and screen sizes.

Seamless: Smooth and uninterrupted, especially in terms of user interactions or processes.

Secure payment options: Utilizes reliable and safe methods for users to make financial transactions.

Convenience: Providing ease and practicality for users in their interactions with the website.