**Rubrik:- Netonnet project**

**Introduction:-** I'm part of a team working on a project to create a website similar to NetOnNet. There are four of us, and we each have different tasks. My job is to build the navigation and checkout pages. In this document, I'll explain how I created the navigation step by step. I'll keep it simple and easy to understand, so you can follow along with what I did to make it work smoothly for users.

**Navigation:-** A brief introduction of navigation in a website typically highlights its crucial role in helping users navigate through the various pages and sections of the site efficiently. It serves as a roadmap, guiding visitors to find the information they need quickly and easily. Navigation elements, such as menus, links, and buttons, are strategically placed to enhance user experience and facilitate seamless exploration of the website's content. Effective navigation contributes to improved usability, increased engagement, and higher satisfaction among users, ultimately leading to a more successful online presence for the website owner.

**Head:-**In the head section of the HTML document, I meticulously crafted the title tag to accurately reflect the content and purpose of the page. The title "Navigation Bar" succinctly communicates the central focus of the webpage, ensuring clarity and relevance for both users and search engines. This professional approach to titling enhances the overall usability and discoverability of the website, setting a strong foundation for effective navigation and user engagement.

**Header:-** Header, the uppermost section of a website, plays a crucial role in providing essential navigational elements, login options, and often small product previews. Commencing work within the HTML file, I initiated the construction process by focusing on the header section. I worked in body section, I meticulously organized the layout, beginning with the creation of a dedicated division (<div>) to encapsulate the navigation component. This approach ensures a structured and systematic development process, laying a solid foundation for

subsequent design and functionality enhancements within the header area.

**Header Style:-** In the CSS stylesheet, I adopted a systematic approach to styling the header section. Employing the universal selector '\*', I set the margins and padding to zero within the curly brackets, ensuring a consistent layout across different elements. Additionally, I utilized the 'box-sizing' property with a value of 'border-box' to manage the sizing of elements more efficiently.

For the body selector, I opted for the font-family 'Open Sans', with a fallback of sans-serif to ensure readability and compatibility across various devices and browsers. To enhance the visual appeal of the website, I established a background color of rgb(240, 233, 233), providing a pleasing backdrop for the content.

In terms of dimensions, I assigned a width of 100% and a height of 70vh to the main container, ensuring it spans the entire width of the viewport while occupying 70% of the viewport height, thereby optimizing the display on different screen sizes and resolutions.

**Styling Navigation Division:**

In the CSS stylesheet, I meticulously styled the navigation division ('nav div') to ensure optimal presentation and functionality. Employing the following properties with their respective values:

**display:** Utilizing the flexbox layout model, I set the display property to 'flex', facilitating flexible and responsive alignment of child elements.

**width:** To provide a defined width for the navigation bar, I set its width to 1252 pixels, ensuring consistency and coherence with the overall design.

**height:** The navigation bar's height was set to 39 pixels initially, then adjusted to 40 pixels to accommodate content adequately, ensuring a visually pleasing appearance.

**justify-content:** Employing 'space-between', I positioned the navigation items evenly along the main axis, maximizing spacing between them.

**background:** A clean white background (#fff) was chosen to maintain a minimalist aesthetic and ensure contrast with the content for improved readability.

**margin-top:** To create appropriate spacing between the header and the navigation bar, I applied a margin-top of 50 pixels, achieving visual balance and separation.

**font-size:** The font size was set to 13 pixels to ensure optimal legibility while maintaining consistency with the overall design scheme.

**flex-wrap:** Enabling 'wrap' allows the navigation items to wrap onto multiple lines if necessary, ensuring proper layout adjustment on smaller screens or when content exceeds the width of the container.

**position:** By setting the position to 'relative', I establish a reference point for absolute positioning of child elements within the navigation bar.

**flex-direction:** Specifying 'column' for flex-direction arranges the navigation items vertically, facilitating intuitive navigation for users.

**margin:** Finally, I applied 'margin: 0 auto' to horizontally center the navigation bar within its container, ensuring alignment with the overall layout of the webpage.

**Unordered List(UL):-**After creating the navigation div in the header section, I proceeded to implement an unordered list (UL) containing 11 list items representing various product categories. To organize these list items effectively, I opted for a layout comprising two separate divs: one for the left-aligned product categories and another for the right-aligned ones. This approach ensures proper arrangement and alignment of the list items, enhancing visual clarity and user experience.

The product categories included in the unordered list are:

**Left-aligned List Products:**

Dator & Surfplatta

Datorkomponeter

Gaming

Hem & Fridtid

Tv

Ljud

Mobil & Smartwatch

Vitvaror

Right-aligned List Products:

Outlet

Tjänster

Varumärken

By utilizing the 'display: flex' property, managing the alignment and positioning of the list products becomes more straightforward, ensuring consistency and flexibility in the layout across different screen sizes and resolutions. This structured approach enhances the overall organization and accessibility of the navigation menu, enabling users to navigate effortlessly through the website's product categories.

**Enhancement of Navigation Links for Seamless User Experience**

Upon aligning the unordered list (UL) elements within the navigation bar, a significant step was taken to enhance user interaction by incorporating anchor tags (<a>) to all list elements. The significance of navigation links in facilitating smooth user navigation cannot be overstated. Each link within the navigation bar serves as a gateway to explore specific product categories, leading users to dedicated pages offering comprehensive details.

**1. Anchoring Links for Effective Navigation:**

Anchoring links to list items ensures that users can effortlessly navigate through the website's content hierarchy. With each click, users are directed to a new page, tailored to provide detailed insights into the selected product category.

**2. Importance of Navigation Links:**

Navigation links serve as a fundamental component of user engagement, guiding visitors to relevant sections of the website with precision and clarity. By integrating links into the navigation bar, users can seamlessly access desired content, thereby enhancing their overall browsing experience.

**3. Functionality of Navigation Links:**

Clicking on a navigation link initiates the opening of a dedicated page, offering a comprehensive overview of the selected product category. For instance, selecting "Dator & Surfplatta" leads users to a page meticulously curated to showcase a diverse range of computers, tablets, and associated accessories.

**4. Detailed Category Pages:**

Each category page is meticulously crafted to provide users with a wealth of information pertaining to the selected product category. From detailed product listings to comprehensive descriptions, specifications, and customer reviews, these pages serve as invaluable resources for users seeking specific information about computers, tablets, and related accessories.

**5. Elevating User Experience:**

By empowering users with intuitive navigation tools, the website aims to elevate the overall browsing experience, fostering engagement and satisfaction. The seamless transition from navigation bar to dedicated category pages enhances user convenience, enabling them to make informed decisions regarding their desired products.

**Links:**

Links are a crucial part of navigation. All headings in the navigation bar are connected through these links. When a heading in the navigation bar is clicked, it opens a new window with detailed information related to the heading subject.

I have incorporated 11 subject headings into my navigation bar. To structure this, I created a <div> named "main container." Within this <div>, I utilized an unordered list (<ul>) containing 11 list items. The names of these items are:

1. Dator & Surfplatta



2. Datorkomponenter



3. Gaming



4. Hem & Fritid



5. TV



6. Ljud



7. Mobil & Smartwatch



8. Vitvaror



9. Outlet

10. Tjänster

11. Varumärken

**Detailed Overview:**

**Dator & Surfplatta:** When clicked, this heading opens a new window providing detailed information about "Dator & Surfplatta".

In this new window, I divided the content into two <div> elements. The first <div> focuses on categories, while the second <div> contains additional related information. To design the layout, I employed flexbox in CSS. Flexbox offers easy element control, allowing adjustment of properties like align-items, justify-content, flex-direction, width, height, and flex.

Under the category section, I created an unordered list with the following subjects related to "Dator & Surfplatta":

1. Se allt i Dator & Surfplatta

2. Laptop

3. Stationära datorer

4. Datorskärmar

5. Nätverk

6. Skrivare & Scanner

7. Datortillbehör

8. Programvara

Each of these subjects is linked to their respective detailed pages.

In the second <div>, I provided additional information related to the subject. Here, I created a heading "Just nu Dator & Surfplatta" under which I listed four categories:

• Fyndvaror

• Nyheter

• Topp 10

• Favoriter

To organize these headings, I utilized another <div> with a flexbox display.

Lastly, in the second <div>, I included an image of a computer to signify the products related to "Dator & Surfplatta". I utilized the <img> attribute to insert the picture and adjusted its position using CSS properties like object-fit.

I replicated this pattern for the other navigation bar headings, employing flexbox for consistency.

**JavaScript**

When I completed the layout of the navigation bar, I implemented its functionality to enable it to perform all desired actions. Using JavaScript, I added functionality such as click events to show and hide items within the navigation bar. In summary, the navigation bar is now fully functional, allowing seamless navigation throughout the website.

Here is the code that I used in my navigation:-

let clicked = false

function cleanContainers(){

let allContainers = document.getElementsByClassName('main-container')

allContainers = [...allContainers]

for (i=0;i<allContainers.length;i++){

allContainers[i].classList.add('not-showing')

}

clicked=false

}

function showContainer(option){

let container = document.getElementById(option);

if (container.classList.contains('not-showing')) {

cleanContainers();

container.classList.remove('not-showing');

clicked=true

} else {

cleanContainers();

}

}

document.getElementById('main').addEventListener('click',()=>{

if (clicked===true){

cleanContainers()

}

})

**Here are the pictures that I used in my navigation bar.**

     