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| RAZDA Co. | | | | |
| **Filename: [horizontalbox.html]** | | | | |
| **Summary***:*  Displays products in a horizontally scrollable layout, making it easy for users to browse multiple products at a glance. Ideal for showcasing featured, recommended, or trending products on the homepage or category pages. | | | | |
| ***Processes*** | | | | |
| * **Product Loop:** | * **Loops through each product in the products list.** | | | * **I** **terates over products to render each product’s details (name, price, image, and link), providing a streamlined view of multiple products in one section.** |
| * **Image Display:** | * **Shows product images with alt text for accessibility.** | | | * **Ensures that each product’s visual appeal is highlighted, allowing users to recognize products easily through images.** |
| * **Product Name and Price:** | * **Displays product name and price.** | | | * **Helps users make quick decisions based on the product name and cost, increasing the section’s utility for user engagement and potential conversions.** |
| * **Link to Product Details:** | * **Hyperlinks each product to its respective page.** | | | * **Provides a direct route to detailed product pages, improving user flow from browsing to potentially adding items to the cart or purchasing directly.** |
| **Files it Gets Information From:** | | | **Files it Sends too:** | |
| * Product Data Source (Backend): This file likely receives its products list from a backend view or controller that queries the database for featured products and passes it to the template | | * Product Detail Page (linked via product.link) - When a user clicks a product, they are taken to the product’s detail page for more information, which could lead to adding it to the cart. | | |
| * Product Image Directory: Images are pulled from a storage directory where product images are stored, likely configured by the backend. | |  | | |
| * Product Links: Each product link is likely generated dynamically, pointing to the product detail page that corresponds to each specific product in the products list. | |  | | |
| **Expected input into file:** | | | **Expected output from file:** | |
| * **products List**: Each product in the list should include details like name, price, image\_url, and link. * **Product Image URL**: image\_url provides the link to the product’s image stored in a static directory. * **Link to Product Details**: Each product in the loop should have a link field that routes users to the respective product page. | | | * **Horizontally Scrollable Product Display**: Outputs a scrollable list of products, each with an image, name, price, and link. * **User-Friendly Layout**: Displays products in a centered, evenly spaced layout for easy viewing. * **Clickable Product Links**: Each product is clickable, directing the user to more information about that specific item. | |
| **Things that need to be taking place:**   | **Detailed Section Breakdown** | | --- | | **Product Loop** | | **- Purpose: Iterates through the products array to display each product with its respective details (name, price, image, link).** | | **- Expected Outcome: Seamless display of products, with an attractive, scrollable layout.** |   **| Image Display | | - Purpose: Displays each product image within a defined width for uniformity.| | - Expected Outcome: Consistent visual presentation across different products.|**  **| Product Name and Price | | - Purpose: Shows essential information for each product, allowing users to quickly evaluate product options. | | - Expected Outcome: Users can see the name and price of each product, enabling quick decision-making.|**  **| Link to Product Details | | - Purpose: Provides direct access to each product’s detail page.| | - Expected Outcome: Smooth user navigation, leading to higher engagement with individual product details.|**   | **User Interaction Flow** | | --- | | **- Step 1: User scrolls through the horizontally displayed products in the horizontal-box.** | | **- Step 2: User clicks a product, which opens the product’s detail page in the same tab or window.** | | **- Step 3: User views additional product information on the detail page, potentially adding it to their cart.** |  | **Enhanced User Experience Features** | | --- | | **- Hover Effects on Products: Adding subtle hover effects (like slight zoom or shadow) can enhance visual feedback when users interact with each product.** | | **- Lazy Loading for Images: Implement lazy loading to improve page load speed, especially if many products are displayed.** |  | **Potential Improvements** | | --- | | **- Add Ratings: Display average customer ratings below each product, giving users an idea of product popularity or quality.** | | **- Show Stock Status: Display stock availability or "Limited Stock" messaging for urgency.** |  | **Accessibility Considerations** | | --- | | **- Alt Text for Images: Ensure all images have alt text for screen readers, making the content accessible to visually impaired users.** | | **- Keyboard Navigation: Allow horizontal scrolling using arrow keys, improving navigation for users with limited mobility.** |  | **CSS Styling** | | --- | | **- horizontal-box: Displays the product list in a flex container with overflow-x: scroll to allow smooth horizontal scrolling.** | | **- product: Centers text, applies spacing for visual separation, and ensures a clean, uncluttered layout.** | | | | | |
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| Edit log (update each time you make changes to doc or file). | | | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | | | |