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| RAZDA Co. | | | | |
| **Filename: [horizontallist.html]** | | | | |
| **Summary***:*  This component displays a horizontally scrollable list of products, each with an image, name, and price, providing users a quick view of multiple items in a compact space. Ideal for showcasing featured products, bestsellers, or similar items, it supports seamless browsing through a large product list. | | | | |
| ***Processes*** | | | | |
| * **Product Loop:** | * **Loops through each product in products.** | | | * **Dynamically generates product cards that display each product’s image, name, and price** |
| * **Product Link:** | * **Links each product to its detailed product page.** | | | * **Each product item is clickable and redirects users to the specific product page, allowing them to view further product details.** |
| * **Product Display Elements:** | * **Displays product name, price, and image.** | | | * **Provides essential information for each product, enabling users to decide quickly on items of interest without leaving the page.** |
| **Files it Gets Information From:** | | | **Files it Sends too:** | |
| * Product Data Source (Backend) - The products list is supplied by a backend view or controller, likely fetching data from a database containing product attributes. | | * Product Detail Page (linked via view\_product) - Clicking on a product redirects users to the specific product’s page, where they can view more details and potentially add the product to the cart. | | |
| * Product Detail Page URLs - The URLs for product detail pages are generated dynamically using url\_for, linking each product item to its detailed page. | |  | | |
| **Expected input into file:** | | | **Expected output from file:** | |
| * **products List**: Each product object in the list should have properties such as product\_id, name, price, and image\_url. * **Product URLs**: The view\_product route needs to accept a product\_id for dynamic URL generation. * **Product Images, Names, and Prices**: Essential product details should be available for each item to ensure complete information display. | | | * **Horizontally Scrollable Product Display**: Outputs products in a scrollable row, each displaying an image, name, and price. * **Clickable Product Links**: Each product item redirects to a dedicated product page, enhancing browsing by offering quick navigation. * **Accessible Layout**: Clean, scrollable layout with product images and descriptions for an easy, visual user experience. | |
| **Things that need to be taking place:**   | **Detailed Section Breakdown** | | --- | | **Product Loop** | | **- Purpose: Iterates over each product in products, generating a product card with necessary information (name, price, image).** | | **- Expected Outcome: Visually appealing, organized product display that enhances navigation and makes it easy for users to scroll through a variety of options.** |   **| Product Link | | - Purpose: Provides a direct link to each product’s detail page. | | - Expected Outcome: Facilitates quick access to product information, enabling users to view details, specifications, and purchase options with a single click. |**  **| Product Display Elements | | - Purpose: Displays key product information (name, price, and image), essential for enticing users and helping them decide on items of interest. | | - Expected Outcome: Offers a complete yet concise view of each product, making it easy for users to identify items and decide which to explore further. |**   | **User Interaction Flow** | | --- | | **- Step 1: User scrolls through the horizontally displayed products in the horizontal-list.** | | **- Step 2: User clicks on a product, redirecting them to the specific product page for additional details.** | | **- Step 3: User can explore further on the product page, including adding the item to the cart or browsing similar products.** |  | **Enhanced User Experience Features** | | --- | | **- Hover Effects on Product Cards: Adding hover effects (e.g., box shadow, text color change) can visually highlight products, enhancing the browsing experience.** | | **- Tooltip for Product Names: Displaying the full product name on hover can be helpful, especially if names are truncated due to space constraints.** | | **- Lazy Loading for Images: To optimize performance, consider lazy loading images in the scrollable list, especially if the list is extensive.** |  | **Potential Improvements** | | --- | | **- Display Product Ratings or Reviews: Showing a rating or small review snippet can help users gauge product quality at a glance.** | | **- Product Add-to-Cart Button: Including a small "Add to Cart" button on each product card can make shopping more convenient for users interested in multiple items.** |  | **Accessibility Considerations** | | --- | | **- ARIA Labels for Product Links: Adding descriptive aria-labels for each product link ensures screen readers can provide relevant information to users with visual impairments.** | | **- Keyboard Navigation for Scrolling: Consider enabling keyboard arrow scrolling for users who rely on keyboard navigation.** |  | **CSS Styling** | | --- | | **- .horizontal-list: Styled with display: flex and overflow-x: scroll, enabling smooth horizontal scrolling.** | | **- .product-item: Center-aligned text with a margin to ensure products are visually separated, creating a clean, organized look.** | | **- .product-item a: Text decoration is removed, and color is set for a more cohesive design, while preserving the link functionality.** | | | | | |
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| Edit log (update each time you make changes to doc or file). | | | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | | | |