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| RAZDA Co. | | | | |
| **Filename: [display\_verticalboxes.html]** | | | | |
| **Summary***:*  This template displays a series of "vertical boxes," each containing a title, content, optional link, and image. These vertical boxes are likely used to highlight topics, products, or informative sections, with a visually distinct layout for each box. The structure promotes clarity, with each box acting as a standalone content block | | | | |
| ***Processes*** | | | | |
| * **DOCTYPE and HTML Structure** | * **Defines the document as HTML5 and sets language to English.** | | | * **Ensures compatibility across different browsers and supports accessibility standards.** |
| * **Header (<head>) Section** | |  | | --- | | * **Contains metadata and page title.** |  |  | | --- | |  | | | | * **Sets up the page title as "Vertical Boxes" for easy identification in the browser.** |
| * **Title Header** | * **Displays an H1 title for the page, “Vertical Boxes.”** | | | * **Gives users a clear indication of the page’s purpose.** |
| * **Vertical Boxes Loop** | * **Loops through each box in verticalboxes, displaying details like box\_title, content, link, and image\_filename.** | | | * **Provides a consistent structure for each vertical box, keeping the layout simple yet informative.** |
| * **Link and Image Handling** | * **Conditionally displays the link and image if available.** | | | * **Maintains flexibility by showing the link or image only when the relevant data is provided.** |
| **Files it Gets Information From:** | | | **Files it Sends too:** | |
| * Database or Data Source Supplies verticalboxes, a list of dictionaries/objects, each with box\_title, content, link, and image\_filename fields. | | * External Links:   If a box contains a link, users are directed to the specified external page when they click "Learn More." | | |
| * Static Folder (static/verticalboxes/): Contains images related to each vertical box, which are dynamically referenced in the HTML based on image\_filename. | |  | | |
| **Expected input into file:** | | | **Expected output from file:** | |
| * **Vertical Boxes List**: List of dictionaries or objects where each box includes attributes like box\_title, content, link, and image\_filename * **Image File Names: Path for images to be shown in each box (image\_filename).** | | | * **Rendered Page with Vertical Boxes**: A page displaying each vertical box with optional title, content, image, and link. * **Conditional Elements**: Displays links and images only when provided, ensuring a flexible design. | |
| **Things that need to be taking place:** | | | | |
| |  | | --- | | **1. DOCTYPE Declaration** | | **- Purpose: Declares the document as HTML5.** | | **- Expected Outcome: Consistent display across all browsers.** |   **| 2. Metadata and Title in Header (<head>) | | - Purpose: Sets character encoding and the page title.| | - Expected Outcome: Browser tab displays "Vertical Boxes".|**  **| 3. Page Title (<h1>) | | - Purpose: Displays the page header as “Vertical Boxes.”| | - Expected Output: Creates a consistent title section, offering a context for the content below.|**  **| 4. Vertical Boxes Loop | | - Purpose: Loops through each item in verticalboxes and displays relevant content.| | - Expected Input: box\_title, content, link, and image\_filename for each box item.| | - Expected Output: Renders a list of vertically stacked content blocks, each with unique content and styling.|**  **| 5. Conditional Link Display ({% if box.link %}) | | - Purpose: Shows the “Learn More” link only if link data is provided for the box.| | - Expected Outcome: Prevents display of the link if none is provided, maintaining a clean UI.|**  **| 6. Conditional Image Display ({% if box.image\_filename %}) | | - Purpose: Displays an image if image\_filename exists for the box.| | - Expected Input: image\_filename, which provides the path to the image file stored in static/verticalboxes/.| | - Expected Outcome: Displays an image with a width of 200px only when available.|**   | **User Interaction Flow:** | | --- | | **- Step 1: User lands on the page and sees each vertical box displayed as a separate block.** | | **- Step 2: If a box has a "Learn More" link, the user can click it to access additional information in a new tab.** | | **- Step 3: If the box includes an image, it’s displayed alongside the content, providing a visual representation.** |  | **Enhanced User Experience Features:** | | --- | | **- Conditional Elements: Ensures links and images are only shown if relevant, keeping the page layout adaptable.** | | **- Styling Flexibility: CSS styling can be added for better design consistency, such as defining a max-width for images or a container for the vertical boxes.** |  | **Potential Improvements:** | | --- | | **- Responsive Design: Adjust image sizes and text containers to ensure readability on mobile devices.** | | **- Hover Effects: Apply CSS hover effects for links or box backgrounds to enhance interactivity.** | | **- Search or Filter: Add a search bar or category filter to help users quickly find specific boxes.** |  | **Additional Expected Components:** | | --- | | **1. CSS Styling: Use additional CSS classes to improve layout (e.g., centering content, adjusting padding).** | | **2. JavaScript for Enhanced UX: Consider JavaScript functions for animations, collapsible boxes, or other interactive features.** |  |  | | --- | |  | | | | | |
| Edit log (update each time you make changes to doc or file). | | | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | | | |