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| RAZDA Co. | | | | |
| **Filename: [checkout.html]** | | | | |
| **Summary***:*  This template serves as the final step in the purchasing process on Razda Market. It displays the user’s selected products, calculates the total, and collects payment details for processing. It aims to provide a streamlined checkout experience, reducing cart abandonment by showing key purchase details and offering easy access to the cart for last-minute changes. | | | | |
| ***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, page title, and links to external CSS and Bootstrap.** | | | * **Establishes a consistent design and metadata for the checkout page.** |
| * **Header include (header.html)** | * **Adds a common header for site navigation and brand identity.** | | | * **Provides consistent navigation and user experience across pages.** |
| * **Messages Display** | * **Displays success or error messages related to checkout.** | | | * **Offers immediate feedback for user actions, helping prevent errors during checkout.** |
| * **Cart Summary Section** | * **Lists items in the cart with details like name, price, quantity, and subtotal.** | | | * **Summarizes items to reassure the user of their purchase and prevent mistakes.** |
| * **Total and Payment Section** | * **Displays the cart’s total amount and prompts users for payment information.** | | | * **Ensures users can review and submit payment details easily for transaction completion.** |
| * **Back to Cart option** | * **Provides a button linking back to the cart page.** | | | * **Allows users to make adjustments to their cart if necessary, reducing potential frustration.** |
| * **Footer Include (footer.html)** | * **Adds a consistent footer across pages.** | | | * **Reinforces site structure and aids in navigation.** |
| **Files it Gets Information From:** | | | **Files it Sends too:** | |
| |  | | --- | | * **Cart Data (e.g., cart.py)** |  |  |  |  | | --- | --- | --- | | * Supplies data on each item in the cart, including name, price, quantity, and subtotal  |  | | --- | | **Flash Messages (messages)** |  |  | | --- | | Provides messages like confirmation or errors for actions taken during checkout. | | | | |  | | --- | | **Payment Processor** |  |  | | --- | | Payment details are typically sent to a payment gateway (e.g., Stripe, PayPal) for processing. |  |  | | --- | | **Order Management (order\_management.py)** |  |  | | --- | | Sends the finalized order details for storage and further processing (e.g., creating an order record). | | | |
| **Expected input into file:** | | | **Expected output from file:** | |
| * **Cart Items**: List of cart items with name, price, quantity, and image\_path. * **Total Amount**: Total price of all items in the cart. * **User Information**: Payment details, including card number, expiry, and CVV. | | | * **Rendered Checkout Page**: Displays cart summary, total price, and payment fields for order completion. * **Order Confirmation Message**: If payment is successful, confirms the order for the user. * **Payment Processing Result**: Displays success or error message based on the payment gateway response. | |
| **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, title, and links to external stylesheets (e.g., Bootstrap, styles.css).| | - Expected Outcome: Displays "Checkout - Razda Market" in the browser tab and applies Bootstrap styles for a modern UI.|**  **| 3. Header Include (header.html) | | - Content: Provides a header that contains site navigation and branding.| | - Purpose: Establishes a cohesive look and feel and offers easy navigation links, improving overall UX.|**  **| 4. Messages Section | | - Purpose: Displays alerts for user actions, like errors or successful submissions.| | - Expected Output: Shows flash messages (e.g., "Payment failed. Please try again") in a styled alert box.|**  **| 5. Cart Summary Section | | - Purpose: Lists cart items with each item’s name, price, quantity, subtotal, and a total amount.| | - Expected Input: Cart data for each item including name, price, quantity, and calculated subtotal.| | - Expected Output: A table that summarizes the cart, showing users a clear overview of their order before payment.|**  **| 6. Total and Payment Section | | - Purpose: Collects and displays payment details for order completion.| | - Expected Input: User-entered card information including card\_number, expiry\_date, and CVV.| | - Expected Output: Payment details are processed, and users are redirected to an order confirmation or shown an error message.|**  **| 7. Back to Cart Option | | - Purpose: Allows users to go back to the cart to make adjustments.| | - Expected Output: Directs users to the cart view if they click "Back to Cart".|**  **| 8. Footer Include (footer.html) | | - Purpose: Consistently styled footer for site-wide navigation or contact information.| | - Expected Output: Provides links or information at the bottom of the checkout page.|**   | **User Interaction Flow:** | | --- | | **- Step 1: User views the checkout page with a summary of items and the total amount.** | | **- Step 2: User enters their payment information (card number, expiry date, CVV).** | | **- Step 3: User clicks “Place Order” to complete the purchase.** | | **- Step 4: If payment is successful, they are shown a confirmation. If not, an error message appears.** |  | **Enhanced User Experience Features:** | | --- | | **- Immediate Feedback: Flash messages offer immediate feedback for payment success or failure.** | | **- Clear Summaries: Organized cart summary and total allow users to review their purchase easily.** | | **- Back to Cart: Option to return to cart without re-adding items if adjustments are needed.** |  | **Potential Improvements:** | | --- | | **- Save Payment Methods: Option to securely save payment details for future purchases (using PCI-compliant methods).** | | **- Address Autofill: Autofill billing/shipping address for returning users, enhancing checkout speed.** | | **- Order Summary: Add tax, shipping, or discount details to provide a clearer final cost.** |  | **Additional Expected Components:** | | --- | | **1. Payment Confirmation: Shows an order confirmation screen if the payment is successful.** | | **2. Form Validation: Basic client-side validation on fields like card number and CVV for improved data integrity.** | | **3. JavaScript for Enhanced UX (Optional): Adding interactive elements, such as card type detection or real-time subtotal updates.** |  |  | | --- | |  | | | | | |
| Edit log (update each time you make changes to doc or file). | | | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | | | |