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| RAZDA Co. | | |
| **Filename: [wishlist.py]** | | |
| **Summary***:*  This file manages the wishlist functionality for users, allowing them to save, view, and remove products from their wishlist. It enables users to keep track of items they may wish to purchase in the future, enhancing user engagement and personalization on the platform. Wishlist data is logged for future analysis of user interests. | | |
| ***Processes*** | | |
| **Viewing Wishlist** | * **Retrieves and displays all products saved in the user's wishlist.** | |
| **Adding Product to Wishlist** | * **Allows users to add products to their wishlist, checking if the product is already added and providing feedback.** | |
| **Removing** | * **Enables users to remove products from their wishlist, with feedback based on success or failure.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * **User Login** (user\_login.py): Ensures that only logged-in users can access wishlist functionalities. | * **Product Catalog** (product\_catalog.py): Updates the wishlist data when adding or removing products. | |
| * **- Product Catalog (product\_catalog.py): Fetches wishlist items and product details to display to the user** | * **Log File (wishlist.log): Logs actions like viewing, adding, or removing items from the wishlist** | |
| **Expected input into file:** | | **Expected output from file:** |
| **User Session**: Retrieves the user ID from the session to identify the current user.  **Product ID**: When adding or removing an item, the product ID is provided in the URL path. | | **Template Rendering**: Displays wishlist.html to show all items in the user's wishlist.  **Flash Messages**: Shows feedback messages (success or warning) for add/remove actions based on success or failure.  **Log File Entries**: Logs each action for viewing, adding, or removing items to aid future analysis. |
| **Things that need to be taking place:** | | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  | | --- | | **● Session Management: Ensure only logged-in users access the wishlist functionalities by using the login\_required decorator.** |  |  | | --- | | **● Logging Actions: Log each view, add, and remove action for tracking user engagement and wishlist usage patterns.** |  |  | | --- | | **● Feedback Provision: Show flash messages to inform the user of the success or failure of their actions. This helps improve user experience by providing immediate feedback.** |  |  | | --- | | **● Error Handling: Manage cases where adding or removing products fails, such as when items are already in the wishlist or don't exist in the user’s wishlist.** |  |  | | --- | | **● Database Synchronization: Ensure wishlist updates (add/remove) are correctly stored and retrieved from the database for consistency across sessions.** | | | | |
| Edit log (update each time you make changes to doc or file). | | |
| **Contribution to the Entire Project:**  The **wishlist.py** file enriches the user experience by enabling wishlist functionality, providing users with a personalized shopping journey and the convenience to save items of interest. This file, by tracking user interests and potential purchases, not only improves user retention but also provides valuable insights into user preferences, aiding targeted marketing and product recommendations. | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: Created the wishlist functionality with routes for viewing, adding, and removing products, and integrated logging for actions. | | |