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| RAZDA Co. | | |
| **Filename: [horizontallist.py]** | | |
| **Summary***:*  horizontallist.py provides a horizontal list view of products, ideal for scenarios where users need to quickly browse or compare products side-by-side. It queries the database to fetch the latest products and displays them in a horizontal layout, adaptable to user-defined limits. This file enhances user experience by presenting an organized, flexible view. | | |
| ***Processes*** | | |
| * **Product Retrieval** | **The get\_products() function queries the database to retrieve a list of products based on a specified limit (default 10), sorting them by creation date to show the latest items first.** | |
| * **Horizontal List Rendering** | **The horizontallist() route renders the horizontal list of products, utilizing the horizontallist.html template to display products in a horizontal layout. The number of products is controlled by a query parameter.** | |
| * **Loggins and Handling** | **All actions, such as product retrieval and rendering, are logged in horizontallist.log for monitoring. Errors in database connectivity or queries are logged to help troubleshoot any issues.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * .env: for database configuration details like DB\_HOST, DB\_USER, DB\_PASSWORD, and DB\_NAME. | * horizontallist.log: logs information about actions and errors encountered during operations. | |
| * **Database**: retrieves product data from the products table in the razda\_market\_db database. | * **Template**: sends data to horizontallist.html to render the horizontal list view. | |
| **Expected input into file:** | | **Expected output from file:** |
| * **Limit Parameter**: a query parameter (limit) provided in the URL to control the number of products displayed (default is 10). * - **Database Credentials**: expects valid database credentials from the .env file to connect to razda\_market\_db. * **Product Data**: retrieves product records from the products table, ordered by created\_at. | | - **Rendered Template**: renders horizontallist.html with the retrieved products, displaying a horizontal list layout of products.  - **Log Messages**: logs information about successful renders and errors in horizontallist.log, including product count and errors if any occur.  - **Error Logs**: if product retrieval fails, logs error messages for debugging. |
| **Things that need to be taking place:** | | |
| |  | | --- | | **- Database Connectivity: Ensure .env contains correct database credentials for seamless data retrieval.** |  |  | | --- | | **- Template Availability: Ensure horizontallist.html exists and is correctly set up to display products in a horizontal format.** |  |  | | --- | | **- Logging Setup: Confirm horizontallist.log is configured and accessible to capture necessary logs for monitoring.** |  |  | | --- | | **- Error Handling: Ensure robust error handling in get\_products() to handle and log database-related issues without interrupting the user experience.** |  |  | | --- | | **- Parameter Validation: Validate the limit parameter to ensure it falls within acceptable bounds (e.g., not too large to affect performance).** |  |  | | --- | |  | | | |
| Edit log (update each time you make changes to doc or file). | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |