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| RAZDA Co. | | |
| **Filename: [horizontalcat.py]** | | |
| **Summary***:*  horizontalcat.py provides a horizontal display layout for product categories, allowing users to browse different departments or categories in an organized, visually appealing manner. It retrieves categories from the database and renders them in a horizontal layout, facilitating easy navigation through different product sections. | | |
| ***Processes*** | | |
| * **Category Retrieval** | **The get\_categories() function connects to the database and fetches a list of product categories, ordered alphabetically by category\_name. This ensures that categories are displayed in an organized, logical sequence.** | |
| * **Horizontal Category Rendering** | **The horizontalcat() route handles rendering of categories using the horizontalcat.html template, which displays categories in a horizontal list view.** | |
| * **Logging and Error Handling** | **All actions, such as category retrieval and rendering, are logged in horizontalcat.log for monitoring. Errors, particularly in database connectivity, are logged to aid troubleshooting if issues arise.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * .env: for database configuration details like DB\_HOST, DB\_USER, DB\_PASSWORD, and DB\_NAME. | * horizontalcat.log: logs information about actions and errors encountered during operations. | |
| * **Database**: retrieves category data from the product\_categories table in the razda\_market\_db database. | * **Template**: sends data to horizontalcat.html to render the horizontal list view of categories. | |
| **Expected input into file:** | | **Expected output from file:** |
| * **Database Credentials**: expects valid database credentials from the .env file to connect to razda\_market\_db. * **Category Data**: retrieves records from the product\_categories table, sorted by category\_name. * **HTTP GET Request**: accepts GET requests at the /horizontalcat endpoint to initiate category rendering. | | * **Rendered Template**: renders horizontalcat.html with the retrieved categories, displaying them in a horizontal list layout. * **Log Messages**: logs actions such as successful retrieval and rendering of categories, and records any errors in horizontalcat.log. * **Error Logs**: if category 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 horizontalcat.html exists and is designed to present categories in a horizontal layout.** |  |  | | --- | | **- Logging Setup: Confirm horizontalcat.log is properly configured and accessible to capture necessary logs for monitoring.** |  |  | | --- | | **- Error Handling: Ensure get\_categories() has error handling to manage and log database issues without interrupting user experience.** |  |  | | --- | | **- Organized Display: Confirm that categories are correctly ordered alphabetically in the horizontal layout for user-friendly browsing.** | | | | |
| Edit log (update each time you make changes to doc or file). | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |