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| RAZDA Co. | | |
| **Filename: [transaction\_history.py]** | | |
| **Summary***:*  This script handles transaction logging between Razda Market and Squarespace. It records new transactions, fetches transaction histories, and organizes them for administrators to review. The file aids in financial tracking, reporting, and reconciliation by maintaining a structured transaction history with accurate timestamps. | | |
| ***Processes*** | | |
| * **Transaction Logging** | **Uses log\_transaction function to record each transaction related to orders, including transaction IDs, order IDs, amounts, statuses, and timestamps** | |
| * **Transaction Retrieval** | **Uses get\_transactions function to retrieve all transactions or filter them by a specific order\_id. This helps administrators track each order’s payment history accurately.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * **Environment Variables**: Loads from .env to access database credentials | * **Logs (transaction\_history.log)**: Records actions and errors related to database connectivity, transaction logging, and transaction retrieval. | |
| * **MySQL Database**: Connects to the database to log and retrieve transaction records. | * **Console Output**: For example usage, it outputs transaction records, helping administrators verify data integrity. | |
| **Expected input into file:** | | **Expected output from file:** |
| * **Environment Variables**: DB\_HOST, DB\_USER, DB\_PASSWORD, DB\_NAME. * **Function Inputs**: log\_transaction() requires order\_id, transaction\_id, amount, and status as inputs to record transactions. | | * **Database Records**: Adds new transaction records to transaction\_history table and retrieves records based on order IDs or all records * **Logs & Console Messages**: Logs transaction success or failure and fetches requested records. |
| **Things that need to be taking place:** | | |
| |  | | --- | | **- connect\_db(): Establishes a database connection using credentials from .env. Logs an error if the connection fails.** |  |  | | --- | | **- log\_transaction(): Adds a new transaction record to the transaction\_history table. Logs success or failure for transparency and error tracking.** |  |  | | --- | | **- get\_transactions(): Retrieves transactions by order\_id or fetches all transactions if no order\_id is provided. Organized in reverse chronological order to show recent transactions first.** |  |  | | --- | |  | | | |
| Edit log (update each time you make changes to doc or file). | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |