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| RAZDA Co. | | |
| **Filename: [terms\_and\_conditions.py]** | | |
| **Summary***:*  The terms\_and\_conditions.py script manages the Terms and Conditions (T&C) functionality for Razda Market. It includes functions to add, view, and list T&C versions, record user acceptance, and retrieve acceptance history. This script ensures that Razda Market maintains a clear record of the terms users have accepted, and it incorporates admin authentication, data validation, and input sanitization for security. | | |
| ***Processes*** | | |
| * **Enviroment and Logging Setup:** | **Loads environment variables using dotenv, which provides database credentials and admin credentials securely. Configures logging for actions and errors, creating an audit trail in terms\_and\_conditions.log** | |
| * **Database Connection:** | **Defines get\_db\_connection() for secure database access, supporting connection reuse and logging errors if the connection fails. Ensures database interactions are handled cleanly, enhancing reliability.** | |
| * **Admin Authentication:** | **Implements is\_admin\_authenticated() to authenticate admin actions (like adding or listing terms). Logs successful and failed login attempts, safeguarding against unauthorized access.** | |
| * **Terms Management Functions:** | **Contains functions for managing terms, including adding a new T&C version, viewing the latest version, listing all versions, recording acceptance by users, and retrieving acceptance history. These functions perform input validation and sanitization, supporting structured terms management.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * **.env file**: Contains credentials for the database and admin authentication (e.g., DB\_HOST, DB\_USER, DB\_PASSWORD, ADMIN\_USERNAME, ADMIN\_PASSWORD). | * **Log file (terms\_and\_conditions.log)**: Logs actions such as adding terms, viewing history, and user acceptance. Captures details like timestamps and messages for successful actions and errors, enhancing transparency. | |
| **Expected input into file:** | | **Expected output from file:** |
| * **Version, Content, Effective Date**: Required parameters for adding a new T&C version. **Version** follows a specific format (v1.0), **Content** holds the T&C text, and **Effective Date** uses YYYY-MM-DD format. | | * **Database Record for New Terms Version**: If added successfully, creates a new record in the terms table with details like version, content, and effective date. Logs the addition with relevant metadata (e.g., version, timestamp) |
| **Things that need to be taking place:** | | |
| |  | | --- | | **1. Environment Variable Verification: Ensure all required variables (DB\_HOST, DB\_USER, DB\_PASSWORD, ADMIN\_USERNAME, ADMIN\_PASSWORD) are set in .env. The script should gracefully handle missing values, logging issues if any are detected.** |  |  | | --- | | **2. Logging Verification: Verify that terms\_and\_conditions.log captures all actions (e.g., adding terms, listing versions, recording acceptance). Review logs for accuracy in case of errors or unexpected behavior.** |  |  | | --- | | **3. Admin Authentication and Security: Test is\_admin\_authenticated() to ensure only authorized users can add or list terms. Admin attempts should log relevant information, including failed login attempts, without revealing sensitive details.** |  |  | | --- | | **4. Database Connection Stability: Confirm get\_db\_connection() consistently connects to the database, handling any interruptions and logging connection errors accurately.** |  |  | | --- | | **5. Validation Functions: Validate that validate\_version, validate\_date, and sanitize\_content handle various input formats correctly. Ensure sanitize\_content mitigates XSS risks by escaping HTML where T&C content might be displayed online.** |  |  | | --- | | **6. Terms Management Workflow:** |  |  | | --- | |  | | | |
| Edit log (update each time you make changes to doc or file). | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |