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| RAZDA Co. | | | | |
| **Filename: [admin\_dashboard.py]** | | | | |
| **Summary***:*  *This file serves as the primary interface for administrators, allowing access to essential controls and a comprehensive view of the site’s operations. It organizes all administrative functions, such as managing users, editing products, and viewing analytics, into an easy-to-navigate dashboard. Administrators can perform high-level tasks like adjusting site-wide settings, monitoring site health, and managing permissions from this interface, with each module linked to its respective management system.* | | | | |
| ***Processes*** | | | | |
| |  | | --- | | **[User Management]** |  |  | | --- | |  | | **[Role and Permission Management]** | | **[ Site Settings Management]** | |  | | --- | |  |  |  | | --- | |  |   **[ Product and Order Monitoring]** |
| Lists, searches, and views user details, allowing management of user accounts. | Lists roles and permissions, assigns roles, and views role-specific permissions. | | |  | | --- | |  |   Displays, adds, updates, and deletes site settings to control key aspects of the platform.   |  | | --- | |  | | Lists products and orders, views order details, and monitors inventory levels. |
| Additional Processes | | | | |
| **[Terms and Conditions Oversight]** | | **[Reporting and Analytics]** | | |
| Lists all versions and contents of terms and conditions for review. | | Generates reports on sales and user registrations, displaying data for specified periods. | | |
| **Files it Gets Information From:** | | | **Files it Sends too:** | |
| * permissions\_management.py: Validates admin access and manages roles. | | | * Logs: admin\_dashboard.log for recording admin actions and errors. | |
| * site\_settings.py: Provides access to current site settings. | | | * Console output: Displays user, product, and order lists, settings, and reports. | |
| * users.py: Retrieves user data for management functions | | |  | |
| * products.py: Retrieves product information for monitoring. | | |  | |
| * orders.py: Retrieves order information for monitoring. | | |  | |
| **Expected input into file:** | | | **Expected output from file:** | |
| Enviromental Variables: Used for database and admin credentials  ‘’’python  DB\_HOST, DB\_USER, DB\_PASSWORD, DB\_NAME,  ADMIN\_USERNAME,  ADMIN\_PASSWORD  ‘’’  User input (CLI):  ‘’’python  Username = input(“Enter admin username: “)  password = getpass.getpass(“Enter admin password: “) ‘’’ | | | Console Output: Detailed tables of users, products, roles, permissions, and reports.  ‘’’python  print(tabulate(table, headers, tablefmt=”grid”))  ‘’’  Log Entries: Records of all major admin actions.  ‘’’python  Logging.info(“Admin accessed user list”)  ‘’’ | |
| **Things that need to be taking place:** | | | | |
| |  | | --- | | **● Admin Authentication: Admin username and password must be validated at login to restrict access.** |  |  | | --- | | **● Database Connection: MySQL connection must be established and maintained for all data transactions.** |  |  | | --- | | **● Error Handling and Logging: Critical errors must be logged for auditing, with appropriate fallback messages for users.** |  |  | | --- | |  | | | | | |
| Edit log (update each time you make changes to doc or file). | | | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: Enhanced user management and role assignment functions, added detailed logging. | | | | |