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| RAZDA Co. | | |
| **Filename: [profile.py]** | | |
| **Summary***:*  Displays and allows editing of user profile details, including preferences, payment information, and order history. This file serves as a hub for personal settings and user data management. | | |
| ***Processes*** | | |
| * **Profile Display** | **Retrieves and displays the user profile, allowing users to view their personal information.** | |
| * **Profile Update** | **Handles updating of user information, including name, email, phone number, and address based on form submissions from the profile page.** | |
| * **Logging Activity** | **Logs important actions such as retrieving profile data and updating user information, helping monitor changes and user activity in profile.log.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * dotenv: Loads environment variables for secure configuration of database access credentials. | * profile.log: Logs retrieval and update actions, recording successful and unsuccessful operations for troubleshooting and audit purposes. | |
| * mysql.connector: Connects to the MySQL database (razda\_market\_db) to fetch and update user data in the users table. | * profile.html: Renders the profile page displaying user data and form fields for editing. | |
| * Setup/user\_login.py: Although not directly imported, it would check the session data (e.g., user\_id in session) to ensure only authenticated users can access their profile. |  | |
| **Expected input into file:** | | **Expected output from file:** |
| * **Session Data**: Requires user\_id stored in the session to identify the user and retrieve their information. If user\_id is absent, it redirects to the login page. * **POST Request Data**: Expects data in a POST request from the profile form, including fields like first\_name, last\_name, email, phone\_number, address, and potentially profile\_picture. | | * **Rendered Template (profile.html)**: Displays the user's profile information and a form for editing data such as first\_name, last\_name, email, phone\_number, and address. * **Log Entry in profile.log**: Logs each retrieval and update attempt, including errors if they occur, to facilitate debugging and track profile update activity * **Database Update**: If data is successfully updated, the users table in the database reflects the new information for the user. |
| **Things that need to be taking place:** | | |
| |  | | --- | | **- Database Connectivity: Ensure the MySQL database connection details are accurate, and the database (razda\_market\_db) is accessible for reading and updating user information.** |  |  | | --- | | **- Session Management: Confirm that user\_id is correctly stored in the session upon login to allow profile access and updates.** |  |  | | --- | | **- Form Validation: Validate the input data in the profile form to prevent invalid data entries and potential injection attacks.** |  |  | | --- | | **- File Upload Handling (optional): If a profile picture upload feature is implemented, add functionality to handle file uploads and save images securely.** |  |  | | --- | | **- Logging: Regularly review profile.log to monitor profile update attempts, investigate errors, and identify user activity patterns.** |  |  | | --- | |  | | | |
| Edit log (update each time you make changes to doc or file). | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |