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| RAZDA Co. | | |
| **Filename: [terms\_and\_privacy.py]** | | |
| **Summary***:*  This file displays and manages the acceptance of the terms of service and privacy policy. It retrieves the latest legal terms from the database and prompts users to accept them, ensuring compliance. When a user accepts the terms, a record is stored in the database. | | |
| ***Processes*** | | |
| * **Retrieve Latest Terms** | **Retrieves the most recent terms of service from the database using the get\_latest\_terms() function.f** | |
| * **Display Terms and Privacy Policy** | **Renders the terms\_and\_privacy.html template to display the latest terms for users.** | |
| * **Handle Acceptance of Terms** | **When a user submits the form, the file checks if the user has already accepted the current terms; if not, it logs their acceptance in the user\_terms table.** | |
| * **User Session Verification** | **Verifies that the user is logged in by checking session data before allowing them to accept the terms.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * **Database Configuration** (environment variables via .env): Retrieves database credentials and connection information, such as DB\_HOST, DB\_USER, DB\_PASSWORD, and DB\_NAME. | * **Database** (user\_terms, terms tables): Logs the user’s acceptance of the terms and retrieves the latest terms to display. | |
| * **Session Data**: Checks if user\_id is in session to verify the logged-in user’s identity. | * **Log File** (terms\_and\_privacy.log): Logs actions such as retrieving terms, user acceptance, and any errors encountered. | |
|  | * **Flask Flash Messages**: Sends feedback to the user, informing them of successful acceptance, prior acceptance, or errors. | |
| **Expected input into file:** | | **Expected output from file:** |
| * - **User ID**: Provided in the session data, representing the logged-in user attempting to accept the terms. * - **Terms Record**: Retrieved from the terms table with fields such as term\_id, content, and effective\_date, representing the latest terms of service. * **Session Data Check**: Verifies that the session contains user\_id; if missing, it redirects to the login page with a flash message. | | * **Acceptance Record in Database**: Inserts a record into user\_terms with user\_id, term\_id, and accepted\_at timestamp. * **Template Rendering**: Returns the terms\_and\_privacy.html template, populated with the latest terms. * **Flash Messages**: Provides user feedback, including successful acceptance, prior acceptance, login requirements, or error messages. * **Log Entries**: Records all major actions, including term retrieval, acceptance actions, and errors, in terms\_and\_privacy.log. |
| **Things that need to be taking place:** | | |
| |  | | --- | | **● Database Connection and Query Execution: Establishes a connection to the MySQL database for retrieving terms and logging user acceptance. It closes the connection after each query to avoid database connection issues.** |  |  | | --- | | **● Session Verification: Ensures the user is logged in before they can accept the terms. If user\_id is not in session, the file redirects them to the login page with a message.** |  |  | | --- | | **● Terms Retrieval: Uses the get\_latest\_terms() function to fetch the most recent terms record from the terms table, ordered by the effective\_date. If the query fails, it logs an error and shows an error message to the user.** |  |  | | --- | | **● Acceptance Handling: When the form is submitted, the code checks if the user has already accepted the current terms by querying user\_terms for a matching user\_id and term\_id. If no prior record exists, it logs the acceptance in user\_terms with the current timestamp.** |  |  | | --- | | **● Flash Messages for User Feedback: Provides feedback to the user throughout the process, including messages for successful acceptance, prior acceptance, login requirements, and error notifications.** |  |  | | --- | | **● Logging: Logs each step to terms\_and\_privacy.log, including successful retrieval of terms, acceptance actions, and any errors. This ensures traceability and easy troubleshooting for compliance monitoring.** |  |  | | --- | |  | | | |
| Edit log (update each time you make changes to doc or file). | | |
| **Contribution to the Entire Project:**  The **terms\_and\_privacy.py** file is essential for legal compliance, ensuring users acknowledge the terms of service and privacy policy. By integrating session verification, database logging, and user feedback, it maintains user accountability while providing a streamlined experience. This file’s role is critical for protecting the company by establishing a clear record of user agreement to the latest policies, which can be referenced in case of any disputes or legal inquiries. | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: Set up terms retrieval and acceptance handling, including database integration, session verification, and user feedback with flash messages. Configured logging for traceability. | | |