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| RAZDA Co. | | |
| **Filename: [notifications.py]** | | |
| **Summary***:*  Manages user notifications related to order confirmations, shipping updates, promotional alerts, and other user events. Ensures notifications are displayed in a timely and organized manner for an efficient user experience. Allows users to mark notifications as read, maintaining an organized notification center. | | |
| ***Processes*** | | |
| * **View Notifications** | **Retrieves and displays all notifications for the current user. This ensures users are informed of updates, promotions, and order statuses** | |
| * **Mark Notifications as Read** | **Allows users to mark individual notifications as read, updating their status in the database for better organization and user clarity.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * notification\_manager.py: Handles retrieval and marking of notifications for a given user ID. | * notifications.log: Logs access to the notifications view and the action of marking notifications as read. | |
| * user\_login.py: Used for authentication, ensuring only logged-in users can access and modify notifications | * Template Files: Renders notifications.html to display a list of notifications in the user interface. | |
| * session: Accesses user session data, particularly user\_id, to retrieve the correct notifications for the logged-in user |  | |
| **Expected input into file:** | | **Expected output from file:** |
| * **User Session Data**: Retrieves user\_id from session to load the appropriate notifications for the logged-in user * **Notification ID**: Passed in the URL when marking a notification as read, allowing the function to identify and update the correct notification. | | * **Rendered HTML Page**: notifications.html shows the list of notifications specific to the user, including both read and unread statuses. * **Logging Entries in notifications.log**: Logs when a user views their notifications and when they mark notifications as read. * **Redirects**: Redirects users to the notifications list after marking a notification as read. |
| **Things that need to be taking place:** | | |
| |  | | --- | | **- Database Connection: The NotificationManager class should have a reliable connection to the database to retrieve notifications and update their statuses as read.** |  |  | | --- | | **- Session Authentication: Ensure session data is correctly used for authentication, so only authorized users access and update their notifications.** |  |  | | --- | | **- Template Setup: The template notifications.html should be properly set up to display each notification’s content and read status, and to handle user actions like marking notifications as read.** |  |  | | --- | | **- Error Handling for Notification Updates: Ensure that if a notification fails to mark as read, an appropriate log entry is created, and the user is informed if necessary.** |  |  | | --- | | **- Security: Validate that users can only mark notifications they own as read to prevent unauthorized access to others' notifications.** |  |  | | --- | |  | | | |
| Edit log (update each time you make changes to doc or file). | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |