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| RAZDA Co. | | |
| **Filename: [theme\_customizer.py]** | | |
| **Summary***:*  Provides role-based access to theme customization options. Allows admins, sub-admins, and market admins to view, edit, preview, and reset theme settings. Relies on permissions to restrict access to specific functions. | | |
| ***Processes*** | | |
| * **Theme Customizer Home:** | **Checks user permissions to view theme settings and displays the theme customizer dashboard with current theme options (theme\_customizer\_home).** | |
| * **Edit Theme:** | **Allows authorized users to update the theme with chosen options. Saves the new theme in the database, including color scheme, font, and layout style (edit\_theme)** | |
| * **Preview Theme:** | **Enables users to preview theme changes before saving. Displays a temporary view with the selected options without saving to the database (preview\_theme).** | |
| * **Reset Theme:** | **Allows authorized users to reset the theme to default settings, clearing any customizations previously saved (reset\_theme).** | |
| * **Get Current Theme:** | **Fetches the current theme settings from the database to show existing options on the dashboard (get\_current\_theme).** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * **permissions\_management.py**: Validates if the user’s role has permissions for each action (view, edit, preview, reset). | * **Logs (theme\_customizer.log)**: Logs actions taken in the theme customizer, including successful and failed updates, previews, and resets for audit and debugging. | |
| * **user\_setup.py**: Retrieves the user’s role to confirm appropriate access to each function in theme customization. | * **Templates (theme\_customizer\_home.html, theme\_preview.html)**: Renders pages displaying theme options and previews. | |
| * **Alerts (alert\_automation.py)**: Optional, sends alerts if there are issues or unauthorized attempts to access theme customization. | * **Database (Placeholder)**: Stores theme settings including color scheme, font choice, and layout. | |
| **Expected input into file:** | | **Expected output from file:** |
| * **User Role and Permissions**: Confirms the user’s role before allowing theme customizations (view, edit, preview, reset) * **Theme Customization Options**: Users submit choices for color scheme, font, and layout when updating or previewing themes. * **Database Reset Trigger**: Users with permission can reset the theme to default, clearing any customized settings in the database. | | * **Current Theme Data**: The theme customizer retrieves current theme settings to display on the dashboard for user reference. * **Theme Update Logs**: Logs successful or failed attempts to update, preview, or reset themes, providing a record for tracking and error handling. * **Theme Preview Rendered**: Displays the user’s selected theme changes as a preview without committing to the database until saved. |
| **Things that need to be taking place:** | | |
| |  | | --- | | **Role-Based Access Control: Only users with appropriate permissions should be able to view, edit, preview, or reset the theme.** |  |  | | --- | | **- Form Validation: Ensures all theme options are filled out before saving or previewing, reducing errors from incomplete submissions.** |  |  | | --- | | **- Detailed Logging: Logs all theme customizations to track actions and troubleshoot any issues in applying new theme settings.** |  |  | | --- | | **- Database Operations: Efficiently saves, retrieves, and resets theme settings in the database to maintain customizations.** |  |  | | --- | |  | | | |
| Edit log (update each time you make changes to doc or file). | | |
| | **Possible Enhancements:** | | --- |  |  | | --- | | - **User-Specific Themes**: Allows users to create and save their own theme presets, offering personalization options. |  |  | | --- | | - **Live Preview**: Enables users to see changes in real-time before saving, improving the user experience. |  |  | | --- | | - **Scheduled Theme Changes**: Allows admins to set automatic theme changes based on events or time (e.g., holiday themes). |  |  | | --- | | - **Role-Specific Customizations**: Provides unique themes for each role (admin, customer), making the experience more tailored. | | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |