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| RAZDA Co. | | |
| **Filename: [header.py]** | | |
| **Summary***:*  header.py defines a Tkinter-based header for the Razda Market app, displaying essential navigation elements like the Razda logo, title, user icon, and navigation menu items. It includes interactive elements such as a dropdown menu and hover effects, enhancing the UI with a polished, user-friendly appearance. The header dynamically adapts its layout and font styling and allows image-based icons for visual appeal. | | |
| ***Processes*** | | |
| * **Initialize Header Layout** | **Header.\_\_init\_\_ method creates a two-part header layout with top and bottom frames. The top frame holds the logo, title, and user icon, while the bottom frame contains menu items. Font and color schemes are set to maintain a cohesive aesthetic.** | |
| * **Load & Process Images** | **The header loads the Razda logo and user icon from the assets directory, applies resizing, and adds a circular mask with a white border for visual emphasis. Errors during image loading fall back to text-based icons.** | |
| * **Menu & Dropdown Handling** | **A user menu with options like "Sign In," "Create Account," and "Privacy" is managed via toggle\_menu and menu\_option\_action. The menu appears below the user icon when clicked and hides on a subsequent click** | |
| * **Configure Hover Effects** | **Menu items have hover effects managed by on\_enter and on\_leave methods. The LOWER menu item is always underlined. Hover effects enhance navigation by subtly highlighting items.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * **Assets Directory**: for loading the razdaicon.png and usericon.png images used as icons. The path is dynamically calculated to locate the assets folder. | * **Print Output**: Debug prints for options selected in menu\_option\_action and menu\_action methods, useful during development. | |
| * **Environment (.env)**: loads environment settings using load\_dotenv() if additional environment configurations are necessary. |  | |
| **Expected input into file:** | | **Expected output from file:** |
| * **Image Files**: razdaicon.png and usericon.png should be in the assets folder for successful loading; if not, default text is shown. * **Tkinter Window**: expects to be embedded in a Tkinter window to render the header. * **Navigation Actions**: expects user interactions such as clicks on menu items and dropdown options to execute specific commands. | | * **Header UI**: displays a header with a logo, title, navigation menu items, and user dropdown. * **Print Statements**: provides feedback on user actions (e.g., menu selections) for debugging or future integrations. |
| **Things that need to be taking place:** | | |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  | | --- | | **- Assets Verification: Ensure razdaicon.png and usericon.png are in the specified assets directory to avoid fallback to text icons.** |  |  | | --- | | **- Font Availability: Confirm the Impact font is installed; if not, the script will default to Arial Black.** |  |  | | --- | | **- Dropdown Menu Interactivity: The dropdown should only appear when the user icon is clicked and hide upon the next click. Ensure click events are responsive to prevent the menu from remaining open inadvertently.** |  |  | | --- | | **- Function Implementation: Methods menu\_option\_action and menu\_action are currently placeholders; they should be connected to actual functions for navigation and other functionality.** |  |  | | --- | | **- Hover Effect Consistency: The hover effect should persistently underline the LOWER menu item even when the mouse leaves. Ensure this effect is consistently implemented.** |  |  | | --- | | **- Responsive Design Testing: Test in various Tkinter window sizes to ensure header layout and fonts adapt correctly.** |  |  | | --- | | **- Image Processing: The circular masking and border processing on images should function smoothly without visible artifacts.** | | | | |
| Edit log (update each time you make changes to doc or file). | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |