

Detailed Overview of 'easyauto - Dashboard' Page

Overview:

This HTML page is the template for a web-based dashboard application called "easyauto - Dashboard."

It features a side navigation bar (sidebar), top navigation bar (topbar), a content section for displaying dynamic information, and a footer.

The page uses several external libraries and custom styles to achieve its layout and functionality.

Structure:

1. Head Section:

- Meta Tags: Provides metadata about the webpage (e.g., character set, viewport settings, and page title).
- CSS Links:
 - External stylesheets are loaded from sources like Bootstrap, Font Awesome, and custom styles located in the static folder (easyauto.css, easyauto.min.css, custom.css).
 - Google Fonts for the Nunito font are also included.
- Scripts: External JavaScript libraries like jQuery, Bootstrap, and custom scripts (easyauto.min.js) are linked.

2. Body Section:

This is where the actual content of the page resides, with the following main components:

a. Sidebar:

The sidebar serves as the main navigation menu for the application. It has the following

components:

- Brand Logo: Displays a logo image (renesas-logo.svg).
- Dashboard Navigation: The sidebar includes links to different sections such as:
 - Dashboard: A link to the main dashboard page.
 - Topology: A collapsible section with links to related pages like "Testbed" and "Validation."
 - Test Suite: Another collapsible section with links to "Develop," "Schedule," "Test Run," and "Results."
 - Analysis: Includes a collapsible section for "Test Run."
 - Tools: A section with links to system-related tools like "Debugging," "Packet Analysis," and "Troubleshooting."
 - Charts and Tables: Links to charts and tables pages.

b. Topbar:

The topbar provides the following functionalities:

- Sidebar Toggle: A button to toggle the visibility of the sidebar on small screens (mobile devices).
- Search: A search dropdown visible on small screens that lets users search for content.
- Alerts: Displays a notification icon with a badge indicating the number of unread alerts.
- User Information: Shows the currently logged-in user's name and avatar (if authenticated), and provides a dropdown menu with options such as:
 - Profile
 - Settings
 - Activity Log
 - Logout

c. Main Content:

The main content area is marked by the block `{% block main %}`. This placeholder allows for dynamic content insertion, which is filled based on the specific page being viewed (e.g.,

dashboards, charts, tables).

d. Footer:

The footer contains a copyright statement, indicating the ownership of the page by easyauto and the year of creation (2023).

3. Scroll to Top Button:

A floating button that appears when the user scrolls down the page, allowing them to quickly return to the top.

4. Logout Modal:

A modal dialog for logging out of the application. It prompts the user with a confirmation message ("Ready to Leave?") and provides options to cancel or log out.

External Resources:

- CSS Frameworks: Bootstrap 5.1.0 is used for responsive design, and Font Awesome is used for icons.
- JavaScript Libraries:
 - jQuery: Used for DOM manipulation.
 - Bootstrap JS: Used for interactive elements like dropdowns, modals, and collapsible menus.
 - Chart.js: A library used to display charts.

Custom Elements:

- Avatar Tags: The `{% avatar user 30 class="rounded-circle img-responsive" %}` is a custom template tag likely used to render the user's avatar image.
- Dynamic Links: The links within the collapsible sections (`{% url 'testbed:main-testbed-info' %}`) are dynamic, which will be rendered by Django to point to appropriate routes.