

Tutorial Proposal

Name: Categorized Scrolling Booklet of Data Boxes

Functionality: For this reusable component, JSON data will be represented using flip boxes, a scroll indicator, and a sticky navigation bar. The user will be able to choose the JSON property that the data is categorized by, as well as what information is to appear on the front of the flip box and on the back. Using our sample JSON data as an example, we would categorize the users by their role, and have the front of the flip box display the image with their email. When a user hovers over the flip box, it will flip to the back and show the corresponding user's birthday and membership fee. This is a great way to display data, and would be perfect for displaying recipe cards on my personal site.

For JS event handling, it will be necessary to have a method that will convert the JSON data and allow the developer to input parameters such as what data they want to sort by, the data they want displayed on the front vs the back. It will also be necessary for the JS code to display only certain data when the navigation bar selection changes, grouping by the input parameter. Additionally, JS code will be necessary to move the slider as the user scrolls.

Links:

1. Flip Box
 - a. How to: https://www.w3schools.com/howto/howto_css_flip_box.asp
2. Scroll Indicator
 - a. How to: https://www.w3schools.com/howto/howto_js_scroll_indicator.asp
3. Sticky NavBar
 - a. How to: https://www.w3schools.com/howto/howto_js_navbar_sticky.asp