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Web Application Programming CIS3308

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TUTORIAL PROPOSAL

For my simple framework, I intend to combine timeline and flip-card. These two use some significant JS code, and also fits well to my web application. My framework would have a JS source file and a CSS source file. the functions provided in JS, which will add HTML components needed to perform the desired functionality.

- Timeline is a widget where users can see the timeline from moments in the past to now. It will pass the year and display to match the widget's value. We will have a function in JS and then store an array of the year element and pass it into the timeline JS code, so that the code will be implemented to display the year in timeline.
- Flip-card is a widget where users can click on an image to see the backside of the image, which will display useful information for user. To do this, we need an tag to store the picture we want it show up, also create a <div> for the container of information. The JS of flip-card will link to the HTML file and it will store the array of the image element and information element in every index.
- It is overall of both effects then we will have a function in JS call timeline_flipcard(), which store some elements, including content, text, image by this.element.getElementsByClassName() and then continuing storing in array of those objects with the json file, which will display the information in the web page orderly. To sum up, I will work on setting up the data in a certain format so that the pop up page would look nice to the eye and appropriate with my topic web page, as well as presenting the information in a user-friendly way.

Links to the pages that provided inspiration for the component I plan to do:

- Timeline: https://www.w3schools.com/howto/howto_css_timeline.asp.
- Flip-card: https://www.w3schools.com/howto/howto_css_flip_card.asp