# Jessica Fortunato

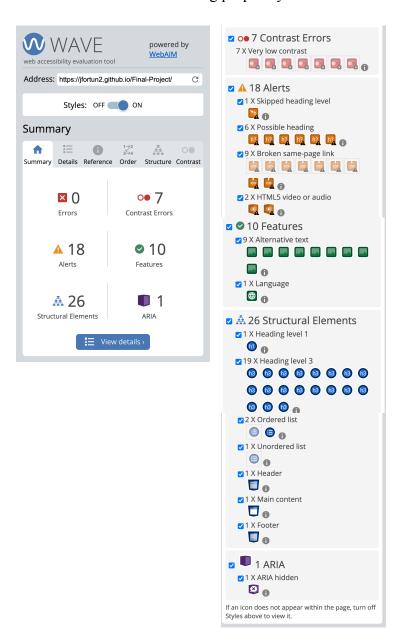
Lab A - PUI Final Project 9 December 2022

### **Screen sizes:**

My webpage is meant to be viewed on desktop 1200 X 1200 and mobile 375 by 667.

## Accessibility:

\*\* Contrast errors are referencing purposely hidden content on the timeline\*\*



## Part 1: Describe your website

My website is an informational timeline intended to educate users about the history of Pittsburgh's pollution. The website details the different air quality conditions and historic pollution incidents, activism, and causes throughout different periods in history. I intended this website to appeal to people from Pittsburgh who are curious about their local history or who may be doing their own research on the environment. The website engages users through an interactive timeline, videos, and aesthetically pleasing word art and highlighting features. I hope to inspire users to keep Pittsburgh on the track to cleaner air through shocking smog pictures and reflective wording like, "what will your future look like?"

#### Part 2: Interaction

- Arrow button:
  - Click the arrow button on the landing page to scroll directly to the timeline.
- Timeline:
  - Click on the circles on the left and right of the timeline dates to skip to the beginning or end of the timeline
  - Click on each timeline date to read information about that period in time
- Highlight:
  - **Highlight** any text in the information about each event. Each highlight is a different color drawn from a randomized list.
- Smoke text:
  - **Hover** over the text "What will your future look like" to trigger a smoking animation.

#### Part 3: External Tools

- JQuery Library
  - I chose this library because it was recommended multiple times in class, it makes writing JavaScript faster and easier, and it is compatible with multiple browsers.
  - I used JQuery frameworks to select items from the DOM and create events. The timeline mainly used JQuery for its interactivity, but I also used vanilla JavaScript for functions such as highlighting and scrolling.
  - JQuery allowed me to add interactivity to my website quickly and efficiently.

#### Bootstrap

 I chose to use the bootstrap library because there was a lot of readily available information about it online. To me, it was easier to use than flex-boxes and allowed me to test out new techniques.

- I used bootstrap grids to customize my landing page layout and to make my website responsive.
- Bootstrap brought organization and responsiveness to my website.

## Part 4: Prototype Iterations

When making my final project, I went through several iterations of my prototype. First, I decided to add a landing page to provide more clarity on what the timeline was about and add more engaging features like the text color animation. Second, I decided to go with a simpler version of the timeline than I had originally designed. The version I chose was more informative and provided more feedback to the user than my previous idea of only using pictures. By having the information directly below the timeline, users would know whether or not they clicked the correct time period and not have to rely on recall. When I created my basic design, I also added some creative elements that I had not previously thought of to add aesthetic elements as well as historical ones.

### Part 5: Challenges

When researching code online, it was challenging customizing elements and adding features starting from frameworks that I knew little about. After spending time reading code and researching, I was able to make the website how I intended.