

Javascript. Just why? Despite my misgivings, I gave this assignment a shot because I wanted to learn React. While I feel like I just scratched its surface, React seems like an excellent tool for any web development project.

My code is hosted here: <https://joshcusano.github.io>, or can be ran with `python -m "SimpleHTTPServer"` in the directory with the `index.html` file. PLEASE ONLY USE CHROME. I have not done cross browser testing.

The site is a list of bands that I like. Users can filter by genre using the dropdown, and can filter which bands are on tour with the switch (a modified checkbox - most of this code is from W3). These two filters run on top of each other, so if 'On Tour' is selected, this filter will remain on even if genres are changed. There is also a reset button that will clear all filters.

The React components are separated into Parent, FilterFuncs, and List. The Parent is the main component, and stores the state of the items that will be displayed. These items are initialised in Parent as objects with Band details. The list of items and some functions for updating state are passed as props to FilterFuncs, which builds the filter controls, and handles any changes to these controls, and updates the data in the Parent component. Finally, the filtered items from Parent are passed as props to List, where the divs are created.

For visual design, I chose a clean layout with simple colors. Filter controls are in the upper left of the page, where a user looks first, and text and labels are large and clear. I used a flexbox to maintain a grid, and so that the page is responsive. Each artist is labeled, has an image, and genre and tour details are overlaid on the image.

The clear visual design and labeling make the page very usable: easy to learn and remember.