

Jacqueline Kong

jek2179

Technical Implementation Decisions

Express Server

I chose to use an Express.js server to run my website. The user need for this was the need to view the images; Chrome would not convert the HTML canvas element used for the screenshot into an image if the html files were opened locally. One alternative I considered was not using the server and simply displaying the canvas element, but I chose to use the server because although this was not a consideration in this project in particular, the canvas element is not accessible to screen readers.

Back 5

I chose to include a button that would make the video scrub back 5 seconds in time. Originally, I had a “back 10” button, but the videos moved too quickly for this to be useful. After some testing, I chose to implement the button as a “back 5” button because it is neither too long nor too short a time to go back. The user need that informed this decision was the need to easily go back to the previous step in a quickly-moving video and watch it again or screenshot it. Some alternatives that I considered but rejected after testing myself and on users were going back 10 seconds and going back 3 seconds.

Displaying the Finished Recipe on the Same Page

I chose to display the finished static recipe on the same page as the previous state, versus navigating to a new page. The user need driving the decision to implement this feature was the need to see a finished static recipe. I implemented this by using the JQuery `hide()` function to hide the video interface and changing the class of the static recipe to fill the entire Bootstrap grid. I chose this technical approach because it was more technically feasible than opening the finished static recipe in

a new page, and there was no user need driving that alternative that would warrant the amount of time and effort it would have taken.