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Part 1

The purpose of my website is to capture all my previous projects/experiences and skills in one area alongside general information about myself. This is to allow other individuals, like company recruiters, to see samples of my work and gauge my level of experience. In my website, I have various sections that each have different pieces of information. The first section displays all my relevant courses (with links to the course pages) along with a link to my resume. The second section lists all of the tools I have experience using. The third section displays screenshots and a brief summary of two of my recent computer science projects. The fourth section is an 'About Me' section which contains information about my academics, career interests, and other activities I am involved in. The last section of the site has a form to contact me along with a footer at the bottom that includes my school email address. Additionally, the text that continuously changes at the top of the page displays a few fun facts about myself. My website is engaging and interesting because of all the animations and bright colors. Right when the page is loaded, a typing animation begins that serves as a welcome to the user. After this, as the user continues to scroll, they can see more animations that keep the whole site engaging. The primary target audience of my website is potential employers. This is because potential employers would be able to gain an understanding of my skill level/how experienced I am based on the website itself plus the information displayed on the website.

Part 2
- Navigation bar
    - Users can interact with the nav bar by clicking on a word displayed in the nav bar, which will then automatically scroll them down to the chosen section (i.e. click 'courses' to scroll down to the courses section, click 'skills' to scroll down to the skills section, etc.)
- Course links
    - Users can interact with the course links by clicking each one and then being redirected to the course website
- Resume link
    - Users can interact with the resume link by clicking on the link and then being redirected to my resume
- Project buttons
    - Users can interact with the project buttons by clicking them and being redirected to either the project itself or the GitHub repository (i.e. click 'View Here' to view the project itself, click 'GitHub Link' to view the GitHub repository)
- Contact form
    - Users can interact with the contact form by clicking on each field, filling out the specified information, and then clicking the submit button

Part 3

The tool I chose to use was animations. I chose to use this tool because I have always found websites with clean animations to be the most engaging and eye-catching. Since this website will most likely be viewed by potential employers, I wanted to make sure that it was very engaging and interesting. By adding all the various animations, I feel as though I was able to accomplish this goal. I used three different types of animations. The first animation I used was the 'typing' animation (used in the beginning introduction part of the website and the title of each following section), where the words on the screen appear to be typed up as the user is viewing the page. The second animation I used was the scroll reveal animation (used in the course list, skill icons, both projects, and image/text in the 'about' section), where various elements of the website are revealed only after the user scrolls through. The last animation I used was the smooth scroll navigation bar, where the page automatically scrolls to a certain section when the user clicks on that section name in the navigation bar. The animations add engagement to the website. When users open the web page, they are instantly engaged by the typing that is displayed on the screen. This is because many websites do not start off with movement, so this catches the eye of the user right off the bat. Following this, they are presented with even more movement with the remaining type reveal and scroll reveal sections.

Part 4

I made two prototypes, one with random, bright colors and the other with a uniform blue/gray color theme. I implemented the random/bright colored prototype. The first change I made to my original design while implementing my website was the angled section borders. I decided to change this to make the website appear more clean. The second change was making the navigation bar right aligned instead of spread across the entire top part of the site. This was done to balance out empty space and not make the beginning animation too overwhelming on the eyes. The third change I made was not switching the desktop screenshot/project summary orientation of every other project listed (i.e. not having the alignment position of the desktop icons switched on every other project). This was done to make the website look more uniform.

Part 5

The main challenges I experienced in implementing my website were making it responsive and ensuring proper alignment of various elements. Making some parts of the website responsive were slightly difficult as I had trouble figuring out how to make different elements move to the right place on different screen sizes. Aligning a few elements was also slightly challenging (such as side-by-side elements) because I had to keep testing different values.