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Programming Usable Interfaces

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Final Project Write-Up

Part 1:

My website is an interactive, and enjoyable way for people to learn more about New Jeans, a new KPop girl-group, and their first album. Users will be able to gauge New Jeans' stylistic vision by viewing the implemented designs, such as Y2K sparkles, font choices, and photo cutouts (icon for each song, mascot, photos of the group). The user will have information about each song (Attention, Hype Boy, Cookie, Hurt) such as lyrics, link to song, and icon, and general information about the group and each member. The website is engaging by being highly stylistic (lots of edited photos and icons), and by having animations, such as a carousel to flip through members face cards + info and grow animations for icons to indicate being clickable to navigate to other pages. The user will also be able to navigate between pages (hamburger menu to go to other song pages, a bunny mascot to go back to the home page, and a cutout of the members to go to the about page. My target audience is KPop or NewJeans fans, or anyone who would like to know more about NewJeans, especially because they are taking over social media by storm.

Part 2:

- Home page
 - Carousel Interaction for Icons (cookie, megaphone, sad face, flip phone)
 - Click icon card in middle to be directed to respective page
 - Click/Scroll any card next to the middle one shown to see next frame (can go left and right)
- Song pages (Attention, Hype Boy, Cookie, Hurt)
 - Clickable song link
 - Click link to take user to YouTube video of the song so they can listen
 - Bunny Mascot Icon with Grow Interaction
 - Hover over bunny to let grow, then click to be directed to home page

- Hamburger Menu
 - Click hamburger to open menu
 - Click other song names to be directed to their respective pages
 - Or click the 'X' to close the hamburger menu
- Group Photo Cutout with Grow Interaction
 - Hover over cutout to let grow, then click to be directed to about page
- About Page
 - Carousel Interaction (members)
 - Click/Scroll any member card next to the middle one shown to see next frame (can go left and right)

Part 3:

- Materialize
 - Used materialize for Collapsible and Carousel Interaction
 - I chose to use it for some of my animations because it was clean and concise, unlike other flashier ones found on other resources.
 - (Carousel) It gives interactivity and a fun way to access information, like photos.
 - (Collapsible) It hides the Youtube Video, as the animation of the video can be distracting to users. Users can choose to open if they would like.
- Google Fonts (Web API)
 - Google Fonts
 - I chose to use it because I wanted to import my own font, Inter, into the HTML.
 - I used it as my global font throughout all my pages.
 - It adds more flow with the design and matches the look of the NewJeans style choices.

Part 4:

My first prototype lacked too much information, so I decided to add more animation and information (carousels and more photos). I also intended to have the icons in the song pages (cookie, megaphone, sad face, flip phone) have an animation, but I decided to keep them still and add a grow animation to the bunnies and the group photos, as they do not distract the main content of the page and are functional for users to navigate between pages. I essentially decided to add grow animations to photos and icons that have the function of page navigation, as any other animation could be distracting to the users. I also

decided to have the Youtube Video of the song on the page, as it allows users to stay on the page. I also decided to give it the ability to be hidden with a collapsible so the video would not be distracting to users if they do not want to see it. I also iterate my decorative stars to find their exact positioning, once for the large screen, and once for the smaller screen. I also had to iterate multiple times for the carousel; it proved to be a challenge in the page layout.

Part 5:

I faced a challenge when implementing the carousel interaction, because materialize had some bugs as it was not updated in some time, and it consistently overrode my styles.css (I had to use many !important tags). I also faced a challenge when implementing the Hamburger Menu, Carousel, and Collapsible as the code I referenced from CodePen had superfluous design that I did not need and the materialize.css was overriding the classes used in CodePen. The stars that I implemented as my design were placed on the page with position:absolute, and they did not scale properly with a smaller screen. I had to utilize the media query to separate the position styles.