

PUI Homework 8 Write-Up

“The Beauty of Hanzi”

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Quick Preview of my site: <https://beautyofhanzi.surge.sh>

Part 1. Describe the Site

i. What is the purpose of your website?

To help users perceive the beauty of Hanzi characters. Chinese language is vastly different from English, every single character contains its own meaning.

ii. What information do you convey with your website?

The beautiful shape of each character, as well as its explanation in English and pronunciation.

iii. How is it interesting and engaging?

By using beautifully designed landing page and moving character at its background, the site draw users attention and prompt them to click the “Go Explore” button. On the next page, by providing a hover effect, the site also invite users to click on each character and check out the details.

iv. Who is the target audience?

The target audience is any non Chinese native speaker.

Part 2. Interaction

- On the landing page (index.html), users can click the “Go Explore” button to go to the next page.
- On the list of Hanzi page (hanzi.html), user can scroll up and down to check out the vast collection of different Hanzi. A small fade-in animation will be applied when users scroll up and down.
- On the list of Hanzi Page (hanzi.html), user can put their mouse over any particular Hanzi, and a hover effect will be applied to indicate that this Hanzi is clickable.
- On the list of Hanzi page (hanzi.html), user can click on any particular Hanzi, and the site will show a pop-up box with detailed information.
- On the list of Hanzi page (hanzi.html), user can click on the “About” button and the site will show a pop-up box with the About information and other information like fonts and data source.

Part 3. Library / API / Animations

1. Adobe Web Font

- I used Source Han Serif Web Font since it is an open-source Chinese Font with easy-to-use web font api.
- I added a piece of JavaScript code in my <head>...</head>. The code was provided by Adobe Web Font Service.
- This font is a beautifully designed Chinese font. The font add aesthetic pleasing look to the website and remain a consistent look across the whole site.

2. ScrollReveal.js

- I use this animation since the hanzi.html contains thousands of Chinese character and it may seem overwhelm at first glance. Using ScrollReveal.js can help avoid it.
- I added `<script src= “https://unpkg.com/scrollreveal”></script>` to my `<head>...</head>`. I called this library to every character by adding `ScrollReveal().reveal(‘.character’);` to my JavaScript file.
- This library add a micro-interaction to the site and help smooth the interaction.

3. CSS Animation

- I used CSS animation to create the scroll effect of hanzi on the landing page.
- I created keyframes for my animation in CSS and apply that animation type to my div elements.
- The animation adds aesthetic pleasing feel to the landing page and help users better perceived the beauty of Hanzi.

Part 4. Changes from Homework 7

- I redesigned the visual interfaces to make it looks better.

Part 5. Challenges Encountered

Making a pop-up box for every hanzi clicked is a challenge for me. Since there are thousand of hanzi on the page. I finally managed to achieve to do that by adding `onClick= “showModal(num)”` .