

Part 1

The primary aim of this website is to deliver structured and comprehensive insights into eight prominent styles of Chinese cuisine, appealing to those with an interest in Chinese culinary arts and cultural heritage. Originating from a personal motivation to acquaint my international friends with the depth of Chinese culture, I chose food as the ideal medium for cultural exchange. The website meticulously outlines the distinctive features of each cuisine style, including their historical origins, unique flavors, and celebrated dishes.

To captivate and educate its visitors, the website is richly populated with vivid images and engaging videos that bring to life the varied gastronomic traditions of China. This visual approach not only makes the learning process enjoyable but also enhances the user's browsing experience by offering a dynamic and interactive platform.

Designed specifically for those new to Chinese gastronomy and culture, the site serves as a gateway for cultural enthusiasts worldwide who seek to deepen their understanding and appreciation of China's diverse culinary landscape.

Part 2

On the Homepage:

- Scroll Interaction: Scroll down to view the complete website.
- Hover Interaction: Hover over the cuisine cards to see highlighted effects.
- Click Interaction: Click on the cuisine cards to navigate to their detailed pages.

On the Detail Page:

- Scroll Interaction: Scroll down to explore the full detail page.
- Click Interaction: Click on the famous dishes to load videos related to the dishes.
- Video Interaction: Once the video is loaded, use the play button and other video controls to watch the video.
- Navigation Interaction: Click the icon in the header to return to the homepage.

Part 3

- Name of tool:
 - YouTube Data API v3
- Why did you choose to use it?
 - I selected the YouTube Data API v3 to incorporate dynamic video content about Chinese cuisines directly into the site. Videos offer a more engaging and informative way to present the culinary arts compared to static images or text, making the learning experience more immersive and entertaining.
- How you used it?
 - The API is utilized to dynamically search for and retrieve videos based on dish names. Each video ID obtained is then used to embed a corresponding video on the website via an `<iframe>`, providing a seamless user experience. If no video ID is found, the site displays an error message.
- What does it add to your website?
 - Integrating the YouTube API enriches the website by allowing users to view detailed cooking tutorials, documentaries, and vlogs. This not only deepens their understanding of each dish but also enhances the overall interactivity and educational value of the site, surpassing what could be achieved with text and images alone.

Part 4

The development of my website began with a Figma prototype that outlined the essential elements and layout. After receiving feedback during several review sessions, I made adjustments to enhance usability and visual appeal, such as simplifying navigation and refining color schemes to better suit the aesthetic and functional needs of the site. During the coding phase, as I translated my designs into HTML and CSS, I further tweaked the layout to ensure responsiveness and accessibility across various devices. While initially I considered using React for dynamic interactions, I ultimately chose to continue with vanilla JavaScript, finding it sufficient for the site's interaction requirements without the complexity of React. This decision allowed me to focus on integrating the YouTube Data API effectively, ensuring smooth video integration that aligned with the user experience goals set out in my prototype.

Part 5

Implementing the YouTube API posed a significant challenge as it was my first experience using any API. Navigating the API documentation and understanding how to properly fetch and display video content required a steep learning curve. Additionally, ensuring the API calls were efficient and did not exceed quota limits added complexity to the development process.

Appendix I - Responsive Design

To ensure a responsive design, my website is optimized for screens with a width of 1440px, typical of laptops, and 425px, common among large mobile devices. This is achieved through the use of CSS media queries that adjust layouts, font sizes, and other visual elements according to the screen size, ensuring a seamless user experience on both device types.

Appendix 2 - Accessible Design

- Homepage

The screenshot shows the Wave accessibility evaluation tool interface. The top bar includes the Wave logo, "powered by WebAIM", and the address "https://lyonne-zhao-15.github.io/pui-homen". The "Styles" toggle is set to "ON". The "Summary" panel on the left shows 0 Errors, 1 Alert, 13 Structural Elements, and 0 ARIA. The "Details" panel on the right lists 1 Alert (1 X Redundant link), 11 Features (9 X Linked image with alternative text, 2 X Language), and 13 Structural Elements (1 X Heading level 1, 1 X Heading level 2, 8 X Heading level 3). The main content area displays a bowl of rice with chopsticks and a green button labeled "This is an icon of a bowl of rice".

- Detail page

The screenshot shows the Wave accessibility evaluation tool interface for a detail page. The top bar includes the Wave logo, "powered by WebAIM", and the address "https://lyonne-zhao-15.github.io/pui-homen". The "Styles" toggle is set to "ON". The "Summary" panel on the left shows 0 Errors, 3 Alerts, 9 Structural Elements, and 2 ARIA. The "Details" panel on the right lists 3 Alerts (1 X Redundant link, 2 X Device dependent event handler), 3 Features (1 X Linked image with alternative text, 2 X Language), and 9 Structural Elements (1 X Heading level 1, 1 X Heading level 2, 1 X Heading level 3, 2 X Unordered list). The main content area displays a bowl of rice with chopsticks and a green button labeled "This is an icon of a bowl of rice". Below the button is a green box titled "Facts about" containing a list of items: "Origin:", "Flavors:", and "Famous Dishes:". At the bottom, there is a section titled "Image Credits: The images featured on this information, please visit OpenAI's DALL-E 3" and "Text Information: The content on this webs".