PUI HW 8 - Carol Cheng

Part 1

The purpose of my website is to introduce people Chinese hot pot and different types of them depending on region. The target audience will be anyone who are interested in knowing more about Chinese hot pot. Users can get information about a short history about hot pot, differences between each hot pot and what food often eat with it. Also, for each food ingredient, there will be a pop up showing the both English and Chinese name of it, and the recommended cooking time. The website is interesting and engaging because it's highly interactive. Users can click on the hot pot to read the information, hover on each ingredient to see the recommended cooking time and "cook" food by dragging food ingredients into the hot pot.

Part 2

1. Smooth Scroll: by scrolling each page, users can see 4 different types of hot pot.
2. Cursor: whenever there's an element that is draggable, the cursor becomes a pair of chopstick.
3. Click: on each hot pot section, users can click on the hot pot to read information
4. Hover: on each floating ingredient, introduction and recommended cook time will display.
5. Drag: each floating ingredient is draggable, users can drag the ingredient into hot pot in center.
6. Drop: only when users drop food inside the hot pot, the animation 'fade down' will appear.

Part 3

1. Bootstrap
   - I used this because I need to make my website interactive. I added Bootstrap as script and used whenever I need responsive image (.img-fluid). It made my website responsive and user friendly.

2. Animate.css
   - I used this for all of my animation because it's the easy to use and highly flexible. I modified animation 'floating' for all the food ingredients on the page to make my site more interesting. Also, whenever there's click and drag action, I used animation 'shake' to add affordance so users know what can be clicked / dragged, and 'FadeOut + FadeIn' to display information. It helps users to better understand how they can interact with the site.

3. Fullpage.js Library
   - I used this library for smooth scrolling effect on my site. Because my side is single-page structure, a smooth scrolling will let user focus on one section at a time. I modified the scrolling speed so users can have the best experience possible while scrolling the section.

4. jQuery UI Library
   - I used jQuery UI for its function 'draggable' because I want my site to be more interactive. I tried another library 'Dragability' but didn't function so well so I used

jQuery UI instead. I applied 'draggable' on hover, mouse down and mouse up event. Also, I made sure that user only sees 'drop' effect only when the food is dragged in the hot pot area. This function made my website more interactive and engaging.

Part 4

I added two more types of hot pot and also redesigned all of them. I sketched more food ingredients that often eat with certain type of hot pot. For example, beef tripe only appears on Sichuan hot pot section. I also added more subtle animation to provide affordance on each interaction.

Part 5

1. Responsive only controls the width. I want to make sure that the proportion is consistent no matter the size of screen (which means I need to make both width and height as a specific way so users can always see the same information with any screen).
2. Draggable of jQuery UI conflicts with click action. Even when I set draggable.off(), I can't disable the click event. This library is buggy and I have hard time to link it with GitHub server because it's not secure.