Part 1

My website is an informational tool that provides viewers who want to explore exotic new dessert recipe with detailed information and guidance on how to make a traditional Chinese dessert called lotus flower cake. This website provide information on the ingredients needed to complete the dessert as well as all the necessary steps needed to make the cake, which includes how to make the filling, dough, style, and fry it. In order to provide an engaging and fun experience for the viewers, the website incorporates animations and interactive elements for the viewers. Upon clicking on some of the images, there will be animations that demonstrate graphically how to carry out each cooking step. Additionally, bright colors and decorative patterns are used to gave off a sense of delight and mitigate the intimidation that many may have when encountering the subject of cooking/baking. Lastly, a video of how to make lotus flower cake is embedded at the end of the web page so that viewers has the opportunity to see how it is made in a more contextual matter.

Part 2

- On header
  - Upon opening the website, after the animation loads and all header contents show up, the viewer has the option to click on Scroll Down to jump to the beginning of informational material.
- On navigation bar
  - Viewer has the option to click on sections of the navigation bar to jump to desired section.
  - On hover clickable links, links change color to white.
  - Click on MAKE LOTUS FLOWER CAKE to jump back to top of the website.
- Scroll down. On Make Filling section
  - On hover clickable images, cursor will change to pointer.
  - Click on the image on the left to activate animation.
- Scroll down. On Make Wet Dough section
  - On hover clickable images, cursor will change to pointer.
  - Click on the image on the right to activate animation.
- Scroll down. On Dry Oil Dough section
  - On hover clickable images, cursor will change to pointer.
  - Click on the image on the left to activate animation.
- Scroll down. On Make Cake Skin section
  - On hover clickable images, cursor will change to pointer.
  - Click on the image on the right to activate animation.
- Scroll down. On Add Filling section
  - On hover clickable images, cursor will change to pointer.
  - Click on the image on the left to activate animation.
- Scroll down. On Stylingh section

- On hover clickable images, cursor will change to pointer.
- Click on the image on the right to activate animation.
- Scroll down. On Finish section
    - On hover clickable images, cursor will change to pointer.
    - Click on the image on the left to activate animation.
- Scroll down.
    - On hover clickable images, cursor will change to pointer.
    - Click on video to play it.
- On any where of the web page
    - Scroll up to see the navigation bar.
    - Scroll down to hide the navigation bar.

Part 3

1. Bootstrap
    a. I choose to use it because it helps make my website responsive as well as having to more consistent web layout.
    b. I used it by downloading bootstrap and linked it to my html file. Part of the bootstrap styles were overwritten with the new CSS I wrote.
    c. Bootstrap helped me tremendously in making my website layout consistent and responsive. However, because there are some effects that I want to achieve, I had to overwrite bootstrap on many occasions.
2. JavaScript Library - scrollrevealjs.org
    a. I choose to use this JS library because I want the content of my website to reveal gradually and only when it enters the viewport.
    b. I downloaded the library from scrollrevealjs.org to my local directory where my code code is. Then I linked it to my html. To use it, I called the function in another JS file.
    c. This library helped me achieve the graduate disclosure effect that I wanted. It also helped me to keep my JS file relatively clean because I was able to called rather than write it in my JS file. Unfortunately, the library come with errors that I cannot diagnose or overwrite.
3. JavaScript Library - JQuery
    a. JQuery is used to make writing JavaScript easier, especially making writing JS animations easier.
    b. JQuery is downloaded to my local directory and linked to my html file.
    c. The use of JQuery only made writing JavaScript much easier, which in turn allowed me to implement more animations such as the scroll to hide/reveal navigation bar and toggle between image and gif.

Part 4

Several changes were made in assignment 8 from assignment 7. These changes include changing layout of the content, change the color scheme of the website, and minimizing the animations.

Change content layout
Originally in assignment 7, the website contents were all in a vertical format (Figure 1). However, when I added in the full text descriptions, I realized that the original vertical format is not a efficient use of the real estate. Therefore, I changed the layout so that the text information and the graphics are positioned side-by-side (Figure 2).
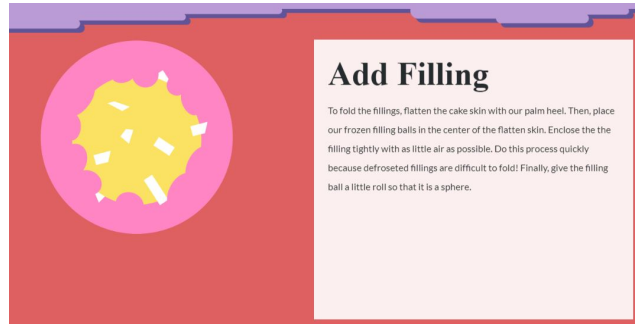

Figure 1

Figure 2

Change color scheme
In the original design, the color scheme was composed of purple, green, and blue (Figure 3). However, I later felt that the color scheme was not fun and engaging, which works against my intent. Therefore, when developing my website, I expanded the color palette, to include more colors and avoided using dull and dark colors (Figure 4).

Figure 3

Figure 4

Remove animation - lotus floating
Originally, I wanted to have a lotus icon to float on the web page when scrolling so that it acts as a status tracker for the where the viewer is at on the page (Figure 5). However, when I was

developing the page, I decided to eliminate this animation (Figure 6) because with the new layout, it would be confused as a clickable animation. It is also a form of distraction.

Figure 5

Figure 6

Part 5

There were multiple challenges that I had to overcome, one of which is the responsiveness of my website. Even with the help of bootstrap, I could not get my page to be fully responsive to mobile size and I had to use media query to reformat my page when screen width is under 992px. However, it comes with a significant trade-off, new format will only be implemented after refreshing the page. Before refreshing, my page is not responsive.