**Website reasoning:**

I created a travel website as I thought it would be a good opportunity to explore different gallery styles using only html and css. Therefore, the website contains 3 different galleries: China Photo, Japan Photo, and Video.

**Required elements usage:**

**Links:** I have links my own pages within the top nav bar. I have links to external web pages in the social media icon bar.

**Navigation bar:** This is on the top of every page and is fixed to scroll with the user.

**Table:** A table is on the homepage, which is in a color code cell style

**List:** Ordered and unordered can be found at the end of the homepage

**Video:** In the video gallery page there are iframes linking to YouTube videos

**CSS3 elements:**

- **Animation** element on line 483 of the CSS file, used in the China gallery

- **Background-Size** element on line 305 of the CSS file, used for fixed backgrounds

- **Border-Radius** element used on lines 118, 154, 567, and 614 of the css file, to curve borders

- **Opacity** element used on line 207 and 211 of the css file, used on the nav bar animation

- **Align-Self** element used on line 246 of the css file, used in the footer icon bar

- **Text Shadow** element used on lines 17 and 28 of the css file, in the h1 and h2 tags

- **Transform** used on lines 227, 510, 515 of the css file, for the icon bar and the image zoom effect

- **Overflow-x** used on line 348 of the css file, for the table

- **Box-Shadow** used on lines 568, 574, 579, 584, and 613, on the contact page

**HTML5 elements:**

**- <article>** The article tags were used on the homepage and contact page, around the "blog posts"

**- <figure>** The figure tags were used on the China and Japan photo gallery pages to signify images

**- <footer>** The footer tag was used for the footer icon bar on the 3 gallery pages

**- <header>** The header tag was used on every page. There's no related css styling, but it's used for ease of semantic reading/machine reading.

**- <main>** The main tag was used on every page to signifying the main areas of interest. There's no related css styling, but it's used for ease of semantic reading/machine reading

**- <nav>** The nav tag was used on every page for the navigation bar

**- <time>** The time tag was used around the dates on the "blog posts" on the homepage and contact pages.

**Positional properties:**

**Fixed:** Footer bar, Nav bar, icon bar

**Relative:** Nav bar ul, nav bar ul li a, China gallery slider

**Absolute:** Nav bar ul lu a:after

**Float:** Homepage country ul li (where the flags are), China gallery slider, Japan gallery

**Block elements (on every page unless otherwise stated):**

p, h1(homepage), h2(homepage, contact), h3(video), ol ul li, div, form (contact page), hr(home, contact), table(home), nav, figure (China,Japan gallery), footer(China, Japan, video), main

**Inline elements (on every page unless otherwise stated):**

input label select textarea (contact), a, span, time (homepage,contact), img

**Additional HTML and CSS beyond class:**

- Every page is responsive (eg. variable width, percentage margins, overflow-x: auto, max width)

- Added a favicon for tab icons

- Added a social media icon bar: Fixed bar of image links on every page

*Also added a "mail-to" link into the social media icon bar which wasn't part of the W3schools social media bar that mine is based off. The W3schools example used imported icons, so I created the icons by downloading and resizing the icons from google images, and adding them to the icon bar.*

- Added auto scrolling infinite loop gallery (China gallery)

*I wanted to use a purely html and css gallery, as I aimed to use no Javascript in my website.I found an interesting example on https://codepen.io/dudleystorey/pen/ehKpi, but it didn't work properly when I used the code on my website. I liked the idea of learning about keyframes however, so I stuck with it and messed around with the code until I knew how and why it all worked, and then I changed it to include faster transitions between images, 2 images side by side on the page instead of one at a time, and made it capable of showing more images than before.*

- Transition and transformation effects on the nav bar:

*I wanted to add some nice effects to the navigation bar, so I look up many examples online.*

*I eventually found many good looking examples on https://codepen.io/maheshambure21/pen/QwXaRw,*

*and decided to use the "shift" version from the website. I didn't want to just copy the code, as it wouldn't help me learn, and I wanted it to fit with my website design. Therefore, I learned how the code worked, and changed many parts to make it how I wanted it.*

- Added Google fonts

- Added fixed backgrounds giving a "parallax" effect on every page

- Added iframes to embed YouTube videos on the video page

- Span has been used to change individual letter colors on every page, such as "Tom's Travels" on the homepage

- Rounding of borders and images with "radius" such as with the nav bar or my photo

- Added time element to include time information on the “blog posts”

- Left border on text, as seen in the "blog posts"

- Filling individual td elements with different colors as seen in the table on the homepage

- Changing bullet point shapes as seen on the homepage list

- Changing bullet point colors as seen on the homepage list

- Added a form on the Contact page taking inputs: checkboxes, radio buttons, email address,

textarea, picklist, submit, name, and validation to ensure certain data is entered.

- Added grayscale filter to the Japan gallery images:

*I liked an example gallery created by Colt Steele in his CSS lessons on* [*https://www.udemy.com/the-web-developer-bootcamp/*](https://www.udemy.com/the-web-developer-bootcamp/)

*The images were all grayscale, but I found out that the actual photos were greyscale, and no filter was applied. Therefore, I looked up how to add a grayscale filter myself.*

- Added stylings such as text and box shadows, border-bottom, hr tag, and text-transform, such as on the contact page.

- Added label styling, as on the contact page

- Used color reference guide http://colours.neilorangepeel.com and added rgba transparency color attributes, such as with the <hr>.

- Used z-index in the nav and icon bars to make sure they are always on top of the other elements.

- Zoom on hover effect, as seen on the Japan gallery page

**Full list of resources used in the assignment:**

Z-index:

https://www.w3schools.com/CSSref/tryit.asp?filename=trycss\_zindex

Chinese flag:

https://www.britannica.com/topic/flag-of-China

Japanese flag:

https://commons.wikimedia.org/wiki/File:Flag\_of\_Japan\_(with\_border).png

Links:

https://www.w3schools.com/css/css\_link.asp

Background attachment property:

https://www.w3schools.com/cssref/pr\_background-attachment.asp

Box shadow property

https://www.w3schools.com/cssref/css3\_pr\_box-shadow.asp

Cursor properties:

https://www.w3schools.com/cssref/pr\_class\_cursor.asp

Text shadow:

https://www.w3schools.com/cssref/css3\_pr\_text-shadow.asp

Tables:

https://www.w3schools.com/css/css\_table.asp

Box model:

https://www.w3schools.com/css/css\_boxmodel.asp

Rounded images:

https://www.w3schools.com/css/tryit.asp?filename=trycss\_ex\_images\_circle

Animated links and buttons:

https://www.w3schools.com/css/css3\_buttons.asp

Homepage, Contact Page containers and styling:

https://www.udemy.com/the-web-developer-bootcamp/

Japanese gallery code:

https://www.udemy.com/the-web-developer-bootcamp/

Fixed menu nav bar:

https://www.w3schools.com/howto/howto\_css\_fixed\_menu.asp

Center nav bar:

https://stackoverflow.com/questions/39681661/how-do-horizontally-center-a-fixed-navigation-bar

Social media icon bar:

https://www.w3schools.com/howto/howto\_css\_sticky\_social\_bar.asp

Rounded edges:

https://www.w3schools.com/css/css3\_borders.asp

Email mail to:

https://www.w3schools.com/tags/tryit.asp?filename=tryhtml\_link\_mailto

Footer:

https://www.w3schools.com/howto/howto\_css\_fixed\_footer.asp

Grayscale:

https://www.w3schools.com/cssref/css3\_pr\_filter.asp

Zoom on hover:

https://www.w3schools.com/howto/howto\_css\_zoom\_hover.asp

Center video:

https://stackoverflow.com/questions/5879209/how-to-center-html5-videos

China Gallery:

https://codepen.io/dudleystorey/pen/ehKpi

Textarea:

https://www.w3schools.com/tags/att\_textarea\_form.asp

Dropdown select disabled attribute:

https://www.w3schools.com/tags/att\_select\_disabled.asp

Individual character styling:

https://stackoverflow.com/questions/17341670/change-color-of-one-character-in-a-text-box-html-css

Responsive video:

https://www.w3schools.com/css/css\_rwd\_videos.asp

Nav animation hover:

https://codepen.io/maheshambure21/pen/QwXaRw

Label color:

https://stackoverflow.com/questions/33511556/how-to-change-label-color-with-html-and-css-without-js

Square bullet points:

https://www.w3schools.com/Css/css\_list.asp

Color reference guide:

http://colours.neilorangepeel.com/category/blue/

Bottom border:

https://css-tricks.com/styling-underlines-web/

Styling labels:

https://www.webteacher.ws/2009/03/05/tip-styling-the-label-element-with-css/

Styling inputs:

https://stackoverflow.com/questions/17042201/how-to-style-input-and-submit-button-with-css

Change bullet point colors:

https://www.w3.org/Style/Examples/007/color-bullets.en.html

favicon:

https://www.favicon-generator.org/

https://stackoverflow.com/questions/4888377/how-to-add-a-browser-tab-icon-favicon-for-a-website

iframe:

https://www.w3schools.com/tags/att\_iframe\_frameborder.asp

Time tag:

https://www.w3schools.com/tags/tag\_time.asp

Youtube:

https://www.w3schools.com/html/html\_youtube.asp

HTML5 semantic elements:

https://www.w3schools.com/html/html5\_semantic\_elements.asp

Google fonts:

https://fonts.google.com/?selection.family=Karma