

# TEA

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Final Project Write-Up

## **Part 1**

The purpose of my website is to educate people about tea history, culture, and types from around the world. Through the website, I intend to convey information about the rich history and diverse traditions of tea-drinking cultures from various regions. I believe that tea is a wonderful beverage that has a rich cultural significance and a long history, and my website aims to impart this knowledge to tea enthusiasts and anyone who is interested in learning more about tea.

One of the key features of my website is the interactive map that allows users to explore tea history, culture, and types in different regions of the world. The map provides an engaging way for users to learn about the diverse tea-drinking traditions of various countries, and helps them to appreciate the cultural nuances and differences that exist within the tea world. In addition, my website includes an interactive tea trivia game, which further engages users and tests their knowledge of tea history, culture, and types.

The website's language is designed to be friendly and engaging, making it accessible to both tea enthusiasts and those who are new to the world of tea. I believe that the website's engaging content and interactive features will keep users engaged and interested, and help them to deepen their knowledge of tea. Also, the tea-colored user interface matches the theme of tea and helps users “indulge” in a world of tea. My target audience is tea enthusiasts and anyone who wants to learn more about tea. Whether you're a seasoned tea drinker or a curious beginner, my website has something to offer for everyone interested in exploring the rich and diverse world of tea.

## **Part 2**

Screen Sizes: width = 1200px or width = 768px

### *Map*

- Click on a marker on the map - to view the name of the country (on the map) and to view the overview of tea information of that country (below the map)
- Scroll down and click on one of the four tabs (Overview, History, Culture, or Tea Types) below the map - to view the corresponding information of a country
- Click on the zoom in button on the map - to view where each type of tea is produced in India and China. Click on the colorful markers to view the name of the tea produced in that region (India and China only)

### *Game*

- On the splash screen click on Start Game - to start the trivia game with a random set of questions
- On Game page, click on Start Over - to restart the game with a new set of questions
- On Game page, click on an answer option - to answer a question and go to the next question. When the last question of 5 questions is answered, the user will be able to see the number of questions they answered correctly, and they will be able to review the questions that they missed.

### *Additional Interactions*

- Scroll up to the top of the page and click on nav bar list items - to navigate to home (landing) page, map page, game page (splash screen), or about page
- Scroll down to the bottom of the page and click on a list item in the bottom bar - to navigate to source code of project, my LinkedIn page, or my GitHub page
- On About page, in the body text, click on the link to contact page - to navigate to contact form
- On Contact page, fill out the form and submit the form - to send a message to my personal email address

### **Part 3**

The tool I used for my interactive map on my tea cultures website is the Leaflet library. I chose to use Leaflet because it is a lightweight and versatile library for creating interactive maps that can be easily customized and integrated into web applications. With Leaflet, I was able to create an interactive map that allows users to explore tea history, culture, and types in different regions of the world. I used Leaflet to add various markers and layers to the map, as well as to implement interactive popups that display information about each region's tea culture and history. This tool adds an engaging and interactive element to my website, allowing users to visually explore tea cultures from around the world. The Leaflet map provides an intuitive and user-friendly interface that enhances the educational value of the website, and helps users to gain a deeper appreciation for the rich and diverse world of tea.

### **Part 4**

Initially, I wanted to have multiple maps - one each for history, culture, overview, and tea types. For each map, the user would click on a marker on the map, and information would be displayed through a small pop-up window. After user testing with this prototype, I discovered that users would have to navigate back and forth between each of the four maps to view information on the countries. Based on the valuable feedback from my users, I decided to have only one interactive map instead of four. When the user clicks on a region of the map, relevant information on that specific region's tea culture, history, and types will be displayed below the map. I also created four tabs to neatly organize the information.

### **Part 5**

The biggest challenge I had implementing my website was adding colored markers to the map once the map is zoomed in. Specifically, there was a time when the colors did not match the tea type for a few markers, and there was a time when the markers wouldn't show up upon zooming in. I encountered many `TypeError`s during the process, and had to log many objects in the console to debug.

## Appendix - Wave Reports







index.html

Address: <https://angelajiaqichen.github.io/Tea/index.>

Styles: OFF ☐ ON ☒

### Summary

Summary Details Reference Order Structure Contrast

 0 Errors	 0 Contrast Errors
 3 Alerts	 1 Features
 3 Structural Elements	 0 ARIA

[View details >](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

Address: <https://angelajiaqichen.github.io/Tea/index.>

Styles: OFF ☐ ON ☒

### Details

Summary Details Reference Order Structure Contrast

- 3 Alerts
  - 3 X Underlined text
- 1 Features
  - 1 X Language
- 3 Structural Elements
  - 1 X Heading level 1
  - 1 X Unordered list
  - 1 X Navigation







about.html

Address: <https://angelajiaqichen.github.io/Tea/about.>

Styles: OFF ☐ ON ☒

### Summary

Summary Details Reference Order Structure Contrast

 0 Errors	 0 Contrast Errors
 2 Alerts	 1 Features
 7 Structural Elements	 0 ARIA

[View details >](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

Address: <https://angelajiaqichen.github.io/Tea/about.>

Styles: OFF ☐ ON ☒

### Details

Summary Details Reference Order Structure Contrast

- 2 Alerts
  - 1 X Skipped heading level
  - 1 X Underlined text
- 1 Features
  - 1 X Language
- 7 Structural Elements
  - 2 X Heading level 1
  - 1 X Heading level 3







contact.html

Address: <https://angelajiaqichen.github.io/Tea/contac>

Styles: OFF ☐ ON ☒

### Summary

Summary Details Reference Order Structure Contrast

 0 Errors	 0 Contrast Errors
 1 Alerts	 5 Features
 6 Structural Elements	 0 ARIA

[View details >](#)
























Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

Address: <https://angelajiaqichen.github.io/Tea/contac>

Styles: OFF ☐ ON ☒

### Details

Summary Details Reference Order Structure Contrast

-  1 Alerts
  -  1 X Underlined text
    -  
-  5 Features
  -  4 X Form label
    -     
  -  1 X Language
    -  
-  6 Structural Elements
  -  2 X Heading level 1
    -   
  -  2 X Unordered list
    -   







splash.html

Address: <https://angelajiaqichen.github.io/Tea/splash>

Styles: OFF ☐ ON ☒

### Summary

Summary Details Reference Order Structure Contrast

 0 Errors	 0 Contrast Errors
 1 Alerts	 1 Features
 6 Structural Elements	 0 ARIA

[View details >](#)





















Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

Address: <https://angelajiaqichen.github.io/Tea/splash>

Styles: OFF ☐ ON ☒

### Details

Summary Details Reference Order Structure Contrast

-  1 Alerts
  -  1 X Underlined text
    -  
-  1 Features
  -  1 X Language
    -  
-  6 Structural Elements
  -  2 X Heading level 1
    -   
  -  2 X Unordered list
    -   
  -  1 X Navigation
    -  

map.html







**WAVE** powered by [WebAIM](#)  
web accessibility evaluation tool

Address: <https://angelajiaqichen.github.io/Tea/map.h>

Styles: OFF ☒ ON

### Summary

Summary Details Reference Order Structure Contrast

 0 Errors	 0 Contrast Errors
 23 Alerts	 13 Features
 7 Structural Elements	 52 ARIA

[View details >](#)


Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

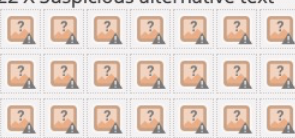

Address: <https://angelajiaqichen.github.io/Tea/map.h>


Styles: OFF ☒ ON


### Details


Summary Details Reference Order Structure Contrast

☒  23 Alerts

- ☒ 22 X Suspicious alternative text  

- ☒ 1 X Underlined text  


☐  13 Features

☐  7 Structural Elements

☐  52 ARIA







game.html

Address: <https://angelajiaqichen.github.io/Tea/game.>

Styles: OFF ☒ ON

### Summary

Summary Details Reference Order Structure Contrast

 0 Errors	 0 Contrast Errors
 3 Alerts	 1 Features
 6 Structural Elements	 0 ARIA

[View details >](#)


Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.




Address: <https://angelajiaqichen.github.io/Tea/game.>


Styles: OFF ☒ ON


### Details


Summary Details Reference Order Structure Contrast

☒  3 Alerts

- ☒ 1 X Suspicious alternative text  

- ☒ 1 X Possible heading  

- ☒ 1 X Underlined text  


☒  1 Features

- ☒ 1 X Language  


☒  6 Structural Elements

- ☒ 1 X Heading level 1  
