

Web Design Project Report

Chinese Tourism

December 2023

link to deployed website:

<https://programmethinking.github.io/ChineseTourism/>

link to GitHub account with code and showing activity:

<https://github.com/programmethinking/ChineseTourism>

link to video presentation:

https://studentncirl-my.sharepoint.com/personal/x22186565_student_ncirl_ie/_layouts/15/stream.aspx?id=%2Fpersonal%2Fx22186565%5Fstudent%5Fncirl%5Fie%2FDocuments%2FWeebTeam!%2Emp4&referrer=StreamWebApp%2EWeb&referrerScenario=AddressBarCopied%2Eview

Names of students:

Mingxuan Cai 22186565

Xin Wang 23140411

Jiang Linfeng 23102608

Liuying Yang 23164875

December 10, 2023

Table of Contents

1. Executive Summary	4
1.1 Project Overview	4
1.2 Background	4
1.3 Technical Route	4
2. Project Work	4
2.1 Team Collaboration Methods	5
2.2 Specific Task Distribution	5
3. Design and Development Process	6
3.1 Requirement Analysis	6
3.2 Design	6
3.3 Wireframe	6
3.4 Development	9
3.5 Deployment	9
4. Testing & Responsiveness	9
4.1 Responsiveness	9
4.2 Html & CSS Validation	9
4.3 Image Optimisation	18
4.4 Search Engine Optimisation	19
4.5 Result	20
5. Conclusion	20
6. References	21

1. Executive Summary

1.1 Project Overview

Our project is to create a comprehensive and user-friendly website for a Chinese tourism company. The website will serve as a digital platform for the company, providing detailed information about their services, showcasing the unique experiences they offer, and enabling customers to book services online. The website will also include customer testimonials to build trust with potential customers and a contact form for inquiries.

1.2 Background

The client is a well-established Chinese tourism company that offers a variety of travel booking or travel consulting service. With the expansion of China's tourism market, the company identified the need for a strong online presence to reach a wider audience and provide customers all over the world with an easy way to learn about and book their services.

1.3 Technical Route

The website will be developed using HTML, CSS, and JavaScript - three core technologies for web development. HTML (Hyper-Text Markup Language) will be used to structure the content on the website, CSS (Cascading Style Sheets) will be used to style the content, and JavaScript will be used to make the website interactive.

To ensure the website is mobile-friendly and displays correctly on various devices, we will use Bootstrap, a popular front-end framework that enables the development of responsive websites. We will also use jQuery, a fast, small, and feature-rich JavaScript library that simplifies HTML document traversal and manipulation, event handling.

2. Project Work

2.1 Team Collaboration Methods

We are a team of four people. After the project was announced, we gathered to thoroughly review the project brief. As a team, we extracted the essential points and determine the theme of our website. Finally, we unanimously decided to design a website focused on Chinese tourism services. This decision was rooted in our rich experience with tourism in China and the promising prospects of the Chinese tourism market.

Once we had finalized the theme of our website, we moved on to discuss the specific content for each page. We quickly determined that our site would include eight main sections: the home, info, services, booking, contact, questions, reviews, and a game. Mingxuan, one of our team members with substantial programming experience, was tasked with the more challenging aspects of developing the homepage and the game. The rest of us, each with our own areas of expertise and interests, chose to design the pages that best matched our individual skills and passions.

Even though each of us was busy with our own tasks, we remained dedicated to advancing our project, ensuring we met at least twice weekly. During those meetings, we shared updates on our respective tasks, thoroughly reviewed our progress, and discussed any challenges we encountered in the design process. We also took these opportunities to schedule our next meeting. Throughout the project, we faced a series of complex issues, such as achieving consistent navigation and design across all web pages, naming CSS selectors to avoid conflicts and utilizing Git for branch creation and merging. Fortunately, through our collective effort, we successfully navigated most of these obstacles and made significant progress in our project.

2.2 Specific Task Distribution

Stu ID	Name	Task
23140411	Xin Wang	In charge of the info page and the review page. Responsible for drafting the framework of the report.
23164875	Liuying Yang	Responsible for the Contact and Questions Pages. In charge of HTML & CSS Validation.
22186565	MingXuan Cai	Architect of this Web design project. Designing the UI ,file structure and construction of the pages including navbar, tagline, title. Responsible for home

		and game page, SEO, deploying and upload the files onto github.
23102608	Jiang Linfeng	In charge of the service and booking pages. Responsible for refining the report content, checking the report format, optimizing images, and recording feature demonstration videos.

3. Design and Development Process

3.1 Requirement Analysis

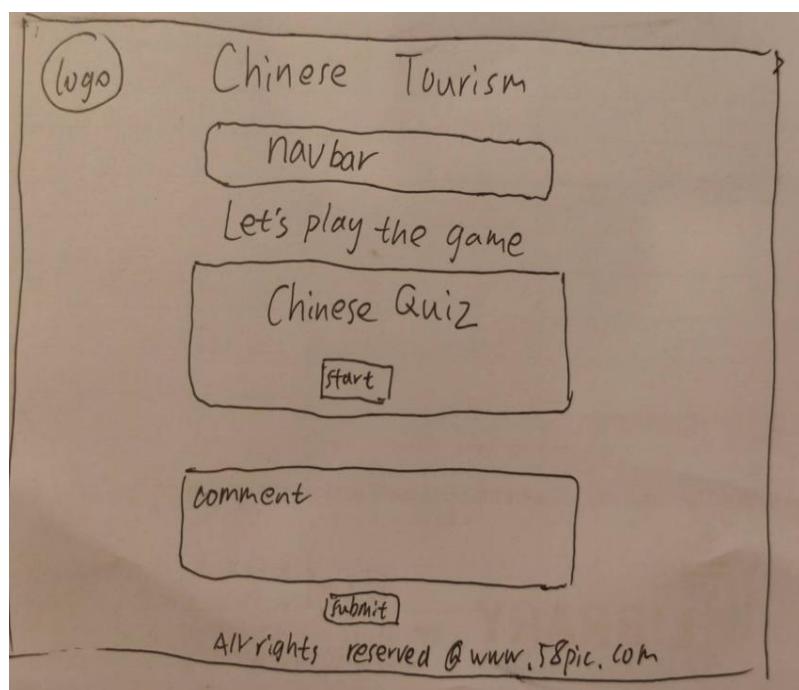
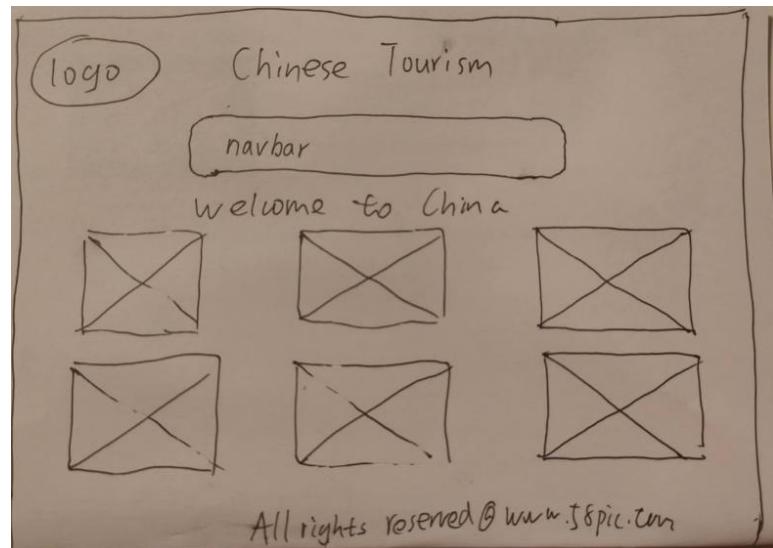
We started by conducting a thorough requirement analysis. We collected the client's requirements to understand their needs, expectations, and preferences. We discussed the key features they wanted on the website, such as service descriptions, customer testimonials, online booking, and a contact form.

3.2 Design

Based on the requirements, we created wireframes for the website. Wireframes are simple, low-fidelity drawings of the website's layout - they helped us plan the arrangement of the website's elements. We also selected colour schemes, typography, and images that align with the company's branding.

3.3 Wireframe

Mingxuan Cai



Jiang Linfeng

CHINESE TOURISM

Navbar

Please fill in the booking information

Full name	Email Address
Phone Number	Address
Reservation Date	Select a Service
YYYY/MM/DD	A dropdown menu

Special Requirement:

I agree to the Terms and Conditions

Submit

Footer

CHINESE TOURISM

Navbar

Fill your heart with CHINA





Destination

Placeholder

Plan your trip

Placeholder

Help and advice

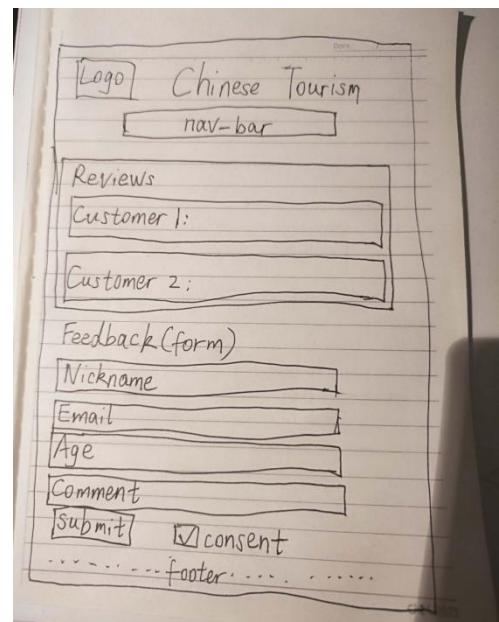
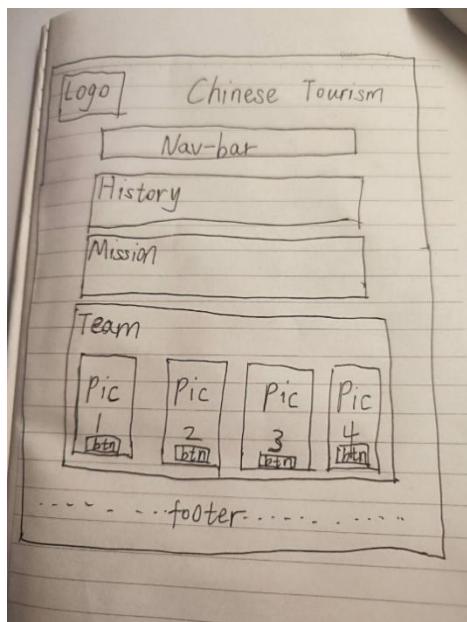
Placeholder

Footer

Liuying Yang



Xin Wang



3.4 Development

During the development phase, we translated our designs into code. We

started by writing the HTML markup for each page, then styled the pages with CSS. We made the website interactive by adding JavaScript for form validation and a mini-game. We also integrated Bootstrap to make the website responsive, and used jQuery to simplify the JavaScript code.

3.5 Deployment

Once we were satisfied with the website, we deployed it to a server. We also performed search engine optimization (SEO) to improve the website's visibility on search engines. This involved adding meta tags, creating SEO-friendly URLs, and ensuring the website loads quickly.

4. Testing & Responsiveness

After developing the website, we conducted rigorous testing. We tested the website on different devices (like laptops, tablets, and smartphones) to ensure it works and displays correctly. We also tested all the features and functionalities of the website, such as the navigation menu, form validation, and the mini-game.

4.1 Responsiveness

Responsive Web Design helps users to have a great visual experience when browsing websites through devices of different sizes.

For achieving that goal, We used bootstrap framework.

First, appropriate metadata `<meta name="viewport" content="width=device-width, initial-scale=1.0">`.

Second, We adjusted styles with @media to determine the styles used based on the 3 kinds of width of the device

Last, We used bootstrap utility classes to modify an element's appearance and format the web pages.

4.2 Html & CSS Validation

We checked all our pages' source codes and the external CSS file through the professional validation websites:

<https://validator.w3.org/>; <http://jigsaw.w3.org/css-validator/> .

And here are the results:

index.html

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by text input CSS

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title>Chinese Tourism</title>
    <!-- Set the viewport property of the web page -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Google font: 4 sorts -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <!-- Link to external CSS file -->
    <link href="css/style.css" rel="stylesheet">
    <!-- This script tag loads the jQuery-3.7.1 library from the provided URL -->
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Error** No space between attributes.
At line 9, column 31
`|el="stylesheet" href="https://f|`

2. **Error** No space between attributes.
At line 10, column 31
`|el="stylesheet" href="https://f|`

3. **Error** Bad value <https://fonts.googleapis.com/css?family=Nova+Flat> for attribute `href` on element `link`; Illegal character in query: space is not allowed.
From line 10, column 9 to line 10, column 87
`|><link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">`

4. **Error** No space between attributes.
At line 11, column 31
`|el="stylesheet" href="https://f|`

5. **Error** No space between attributes.
At line 12, column 31
`|el="stylesheet" href="https://f|`

6. **Error** An `img` element must have an `alt` attribute, except under certain conditions. For details, consult [guidance on providing text alternatives for images](#).
From line 54, column 44 to line 54, column 122
`|m~4 mb~3></div>`

7. **Error** An `img` element must have an `alt` attribute, except under certain conditions. For details, consult [guidance on providing text alternatives for images](#).
From line 55, column 44 to line 55, column 120
`|m~4 mb~3></div>`

8. **Error** An `img` element must have an `alt` attribute, except under certain conditions. For details, consult [guidance on providing text alternatives for images](#).
From line 56, column 44 to line 56, column 122
`|m~4 mb~3></div>`

9. **Error** An `img` element must have an `alt` attribute, except under certain conditions. For details, consult [guidance on providing text alternatives for images](#).
From line 57, column 44 to line 57, column 116
`|m~4 nb~3></div>`

10. **Error** An `img` element must have an `alt` attribute, except under certain conditions. For details, consult [guidance on providing text alternatives for images](#).
From line 58, column 44 to line 58, column 122
`|m~4 nb~3></div>`

11. **Error** An `img` element must have an `alt` attribute, except under certain conditions. For details, consult [guidance on providing text alternatives for images](#).
From line 59, column 44 to line 59, column 118
`|m~4 nb~3></div>`

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by [text input] CSS

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title>Chinese Tourism</title>
    <!-- Set the viewport property of the web page -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Google font: 4 sorts -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <!-- Link to external CSS file -->
    <link href="css/style.css" rel="stylesheet">
    <!-- This script tag loads the jQuery-3.7.1 library from the provided URL -->
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

info.html

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by [text input] CSS

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3/dist/js/bootstrap.bundle.min.js"></script>
</head>
<body>
  <header>
    <!-- Title -->
    <h1 class="container text-center my-4 display-4">CHINESE TOURISM</h1>
    <!-- Logo -->
    <a class="brand" href="../index.html"></a>
    <!-- Navigation Bar -->
    <nav class="navbar navbar-expand-lg navbar-light mx-auto">
      <!-- Toggler/collapse Button -->
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
    </nav>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

1. **Error** No space between attributes.

At line 9, column 31

[el]=stylesheet' href="https://f]

2. **Error** No space between attributes.

At line 10, column 31

[el]=stylesheet' href="https://f]

3. **Error** Bad value https://fonts.googleapis.com/css?family=Nova Flat for attribute [href] on element [link]: Illegal character in query: space is not allowed.

From line 10, column 9 to line 10, column 87

[el]=stylesheet' href="https://fonts.googleapis.com/css?family=Nova Flat"]

4. **Error** No space between attributes.

At line 11, column 31

[el]=stylesheet' href="https://f]

5. **Error** No space between attributes.

At line 12, column 31

[el]=stylesheet' href="https://f]

Document checking completed.

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report

Check by [text input] CSS

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Chinese Tourism-Information of Us</title>
    <!-- Set the viewport property of the web page -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Google font: 4 sorts -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <!-- Link to external CSS file -->
    <link href="../css/style.css" rel="stylesheet">
    <!-- This script tag loads the jQuery-3.7.1 library from the provided URL -->
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

service.html

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report

Check by [text input] CSS

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Chinese Tourism-Service</title>
    <!-- Set the viewport property of the web page -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Google font: 4 sorts -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <!-- Link to external CSS file -->
    <link href="../css/style.css" rel="stylesheet">
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Error** Bad value <https://fonts.googleapis.com/css?family=Nova+Flat> for attribute `href` on element `link`: Illegal character in query: space is not allowed.

From line 11, column 5 to line 11, column 84

fia" ↵ <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat" ↵ <

Document checking completed.

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by CSS

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Chit Chat</title>
    <!-- Set the viewport properties of the web page -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Google font: 4 sorts -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <!-- Link to external CSS file -->
    <link href="../css/style.css" rel="stylesheet">
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

booking.html

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by CSS

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Chit Chat</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" rel="stylesheet">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <link href="../css/style.css" rel="stylesheet">
    <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"></script>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Error** Bad value <https://fonts.googleapis.com/css?family=Nova Flat> for attribute `href` on element `link`: Illegal character in query: space is not allowed.
From line 10, column 5 to line 10, column 84
`<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova Flat">`

2. **Info** Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.
From line 48, column 17 to line 48, column 105
`<input type="text" class="form-control" name="name" required="required" maxlength="30" />`

3. **Info** Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.
From line 53, column 17 to line 53, column 106
`<input type="text" class="form-control" name="email" required="required" maxlength="24" />`

4. **Info** Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.
From line 58, column 17 to line 58, column 107
`<input type="text" class="form-control" name="number" required="required" maxlength="10" />`

5. **Info** Trailing slash on void elements has no effect and interacts badly with unquoted attribute values.
From line 63, column 17 to line 63, column 93
`<input type="text" class="form-control" name="address" required="required" />`

6. **Error** The value of the `for` attribute of the `label` element must be the ID of a non-hidden form control.
From line 47, column 17 to line 47, column 53
`<label for="name" class="form-label">Full Name</label>`

7. **Error** The value of the `for` attribute of the `label` element must be the ID of a non-hidden form control.
From line 52, column 17 to line 52, column 54
`<label for="email" class="form-label">Email</label>`

8. **Error** The value of the `for` attribute of the `label` element must be the ID of a non-hidden form control.
From line 57, column 17 to line 57, column 54
`<label for="phone" class="form-label">Phone</label>`

9. **Error** The value of the `for` attribute of the `label` element must be the ID of a non-hidden form control.
From line 62, column 17 to line 62, column 56
`<label for="address" class="form-label">Address</label>`

Document checking completed.

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by CSS

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Chinese Tourism Bookings</title>
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <link href="../css/style.css" rel="stylesheet">
    <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"></script>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

contact.html

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show Source outline image report Options...

Check by CSS

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>Chinese Tourism-Contact us</title>
    <!-- Set the viewport property of the web page -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Google font: 4 sorts -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <!-- Link to external CSS file -->
    <link href="../css/style.css" rel="stylesheet">
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

1. **Error** Bad value <https://fonts.googleapis.com/css?family=Nova+Flat> for attribute `href` on element `link`: Illegal character in query: space is not allowed.
From line 11, column 5 to line 11, column 84
`[fia"]<!--> <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat"><`

Document checking completed.

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by text input CSS

```
pb-1m18!1m2!1m3!1d24456.83259863666!2d116.29872030214615!3d39.98377762674627!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x35f051547f3df3a5%3A0xdalafe98a14455ec!2szhongguancun%2c%20zhongguan%20village%2c%20Haidian%20District%2c%20Beijing%2c%20china%2c%20100088!5e0!3m2!1sen!2sie!4v1701645917062!5m2!1sen!2sie!
```

`referrerPolicy="no-referrer-when-downgrade"`

</div>

<button type="button" class="btn btn-success" id="hide">Hide</button>

<button type="button" class="btn btn-primary" id="show">Show</button>

</main>

<!-- Footer -->

<footer class="text-center py-3">All rights reserved © www.58pic.com</footer>

<!-- Link to external JavaScript file -->

<script src="../javascript/script.js"></script>

</body>

</html>

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

questions.html

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by text input CSS

```
<form id="feedback-form">
  <div class="form-group">
    <textarea id="question-input" name="question" class="form-control" placeholder="Please enter your question..." rows="3"></textarea>
    <button type="submit" class="btn btn-primary">Submit</button>
  </div>
</form>
<div id="form-response-message" class="mt-3"></div>
</div>
</main>
<!-- Footer -->
<footer class="text-center py-3">All rights reserved © www.58pic.com</footer>
<!-- Link to external JavaScript file -->
<script src="../javascript/script.js"></script>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Error** Bad value <https://fonts.googleapis.com/css?family=Nova+Flat> for attribute `href` on element `link`: Illegal character in query: space is not allowed.

From line 11, column 5 to line 11, column 84

`fia"><link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova Flat"><`

2. **Error** Element `h2` not allowed as child of element `button` in this context. (Suppressing further errors from this subtree.)

From line 91, column 29 to line 91, column 32

`h2><`

Content model for element `button`: Phrasing_content, but there must be no `interactive_content` descendant and no descendant with the `tabindex` attribute specified.

3. **Error** Stray end tag `h2`.

From line 93, column 21 to line 93, column 25

`</h2><`

4. **Error** The `aria-labelledby` attribute must point to an element in the same document.

From line 94, column 21 to line 95, column 59

`<div id="collapseOne" class="accordion-collapse collapse show" aria-labelledby="headingOne"><div data-bs-parent="#accordionExample">`

Document checking completed.

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change.

Showing results for contents of text-input area

Checker Input

Show source outline image report

Check by CSS

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>Chinese Tourism-Common Questions</title>
    <!-- Set the viewport property of the web page -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Google fonts & sorts -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <!-- Link to external CSS file -->
    <link href="../css/style.css" rel="stylesheet">
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

reviews.html

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change.

Showing results for contents of text-input area

Checker Input

Show source outline image report

Check by CSS

```
<label class="form-check-label">
    <input class="form-check-input" type="checkbox" name="remember" required> Agree to terms
    <div class="valid-feedback">Validated successfully!</div>
    <div class="invalid-feedback">You must agree to the terms to submit.</div>
</label>
</div>
<button type="submit" class="btn btn-primary" onclick="thankYou()">Submit</button>
</form>
</div>
<!-- Footer -->
<footer class="text-center py-3">All rights reserved © www.58pic.com</footer>
<!-- Link to external JavaScript file -->
<script src="../javascript/script.js"></script>
</body>
</html>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

1. Error No space between attributes.

At line 9, column 31

[el="stylesheet"]**ref="https://f]**

2. Error No space between attributes.

At line 10, column 31

[el="stylesheet"]**ref="https://f]**

3. **Error** Bad value `https://fonts.googleapis.com/css?family=Nova Flat` for attribute `href` on element `link`: Illegal character in query: space is not allowed.
From line 9, column 9 to line 10, column 87
`<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova Flat">`

4. **Error** No space between attributes.
At line 11, column 31
`[el="stylesheet" href="https://f]`

5. **Error** No space between attributes.
At line 12, column 31
`[el="stylesheet" href="https://f]`

6. **Error** Bad value `for attribute action on element form: Must be non-empty.`
From line 67, column 13 to line 67, column 64
`<form action="" class="needs-validation" novalidate>`

7. **Error** Element `div` not allowed as child of element `label` in this context. (Suppressing further errors from this subtree.)
From line 100, column 25 to line 100, column 52
`<div class="valid-feedback">Valid!`
Contexts in which element `div` may be used:
Where `flow-content` is expected.
As a child of a `div` element.
Content model for element `label`:
`Phrasing_content`, but with no descendant `labelable_elements` unless it is the element's `labeled_control`, and no descendant `label` elements.

8. **Error** Element `div` not allowed as child of element `label` in this context. (Suppressing further errors from this subtree.)
From line 101, column 25 to line 101, column 54
`<div class="invalid-feedback">You mu`
Contexts in which element `div` may be used:
Where `flow-content` is expected.
As a child of a `div` element.
Content model for element `label`:
`Phrasing_content`, but with no descendant `labelable_elements` unless it is the element's `labeled_control`, and no descendant `label` elements.

Document checking completed.

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by `text input` CSS

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title>Chinese Tourism-Customer Reviews</title>
    <!-- Set the viewport property of the web page -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Google font 4 families -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <!-- Link to external CSS file -->
    <link href="..//css/style.css" rel="stylesheet">
    <!-- This script tag loads the jQuery-3.7.1 library from the provided URL -->
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

game.html

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by `text input` CSS

```
<div class="form-floating mb-3">
  <textarea class="form-control form-control-lg border-secondary" id="comment-game" placeholder="Leave a comment here"></textarea>
  <div>
    <label for="comment">Comment</label>
    <input type="submit" class="btn btn-primary" value="Submit">
  </div>
</div>
</div>
</div>
</div>
<!-- Footer -->
<footer class="text-center py-3">All rights reserved @ www.58pic.com</footer>
<!-- Link to external JavaScript file -->
<script src="..//js/excerpt/sociles.js"></script>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Error** No space between attributes.

At line 9, column 31
`[el="stylesheet" href="https://f]`

2. **Error** No space between attributes.

At line 10, column 31
`[el="stylesheet" href="https://f]`

3. **Error** Bad value `https://fonts.googleapis.com/css?family=Nova Flat` for attribute `href` on element `link`: Illegal character in query: space is not allowed.

From line 10, column 9 to line 10, column 87
`<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova Flat">`

```

4. Error No space between attributes.
At line 11, column 31
    el="stylesheet' href="https://f

5. Error No space between attributes.
At line 12, column 31
    el="stylesheet' href="https://f

6. Warning Empty heading.
From line 64, column 33 to line 64, column 68
<h4 id="question-game" class="my-4"></h4><

7. Error The value of the for attribute of the label element must be the ID of a non-hidden form control.
From line 81, column 29 to line 81, column 49
    <label for="comment">commen<

```

Document checking completed.

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report Options...

Check by text input CSS

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Chinese Tourism-Chinese Quiz</title>
    <!-- Set the viewport property of the web page -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Set the font size to 4px -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Sofia">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Nova+Flat">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Open+Sans:400,600,300">
    <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Stylish+Script">
    <!-- Link to external CSS file -->
    <link href="../../css/style.css" rel="stylesheet">

```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

style.css

 The W3C CSS Validation Service
W3C CSS Validator results for TextArea (CSS level 3 + SVG)

Jump to: [Validated CSS](#)

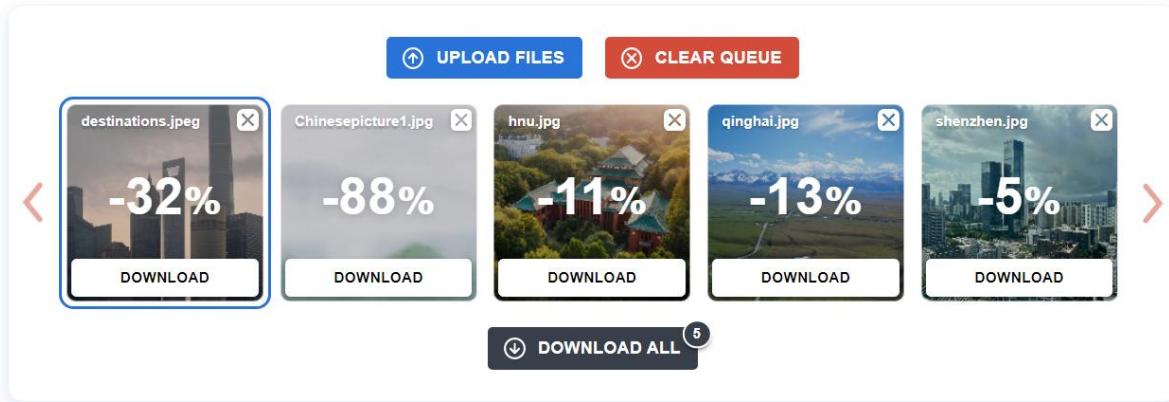
W3C CSS Validator results for TextArea (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as [CSS level 3 + SVG](#) !

4.3 Image Optimisation

We used an online image optimizer to compress our images as much as possible without affecting the quality we need. After optimization, we made sure that each image stayed below 1 megabyte, which is a process that is crucial for improving our website's loading speed and user experience.



Cai.jpeg	2023/12/8 14:27	JPEG 文件	60 KB
destinations.jpeg	2023/12/3 20:29	JPEG 文件	58 KB
helpandadvice.jpeg	2023/12/3 20:32	JPEG 文件	92 KB
Jiang.jpeg	2023/8/19 19:02	JPEG 文件	964 KB
planyourtrip.jpeg	2023/12/3 20:29	JPEG 文件	86 KB
Wang.jpeg	2023/12/8 14:27	JPEG 文件	113 KB
Yang.jpeg	2023/12/8 14:27	JPEG 文件	146 KB
Chinesepicture1.jpg	2023/12/8 14:27	JPG 文件	625 KB
hnu.jpg	2023/12/8 14:27	JPG 文件	99 KB
qinghai.jpg	2023/12/8 14:27	JPG 文件	95 KB
redbooklogo.jpg	2023/12/8 14:27	JPG 文件	8 KB
shenzhen.jpg	2023/12/8 14:27	JPG 文件	201 KB
wusong.jpg	2023/12/8 14:27	JPG 文件	403 KB
xinjiang.jpg	2023/12/8 14:27	JPG 文件	137 KB
yuelu.jpg	2023/12/8 14:27	JPG 文件	241 KB

4.4 Search Engine Optimisation

CSS File:

Split CSS as independent modules: It can delay the loading of unnecessary CSS during the page loading phase, reducing the initial CSS blocking and loading time.

Remove unnecessary styles and use the Bootstrap framework instead: It keeps the code clean and efficient.

Minimize and compress CSS by removing as many spaces as possible: It helps to reduce the file size and improve loading speed.

Choose smaller images and use PNG format for logos: This ensures lossless compression and improves page load speed.

Simplify selectors and keep ID and class names as short as possible: It makes the code easier to read and maintain.

HTML File:

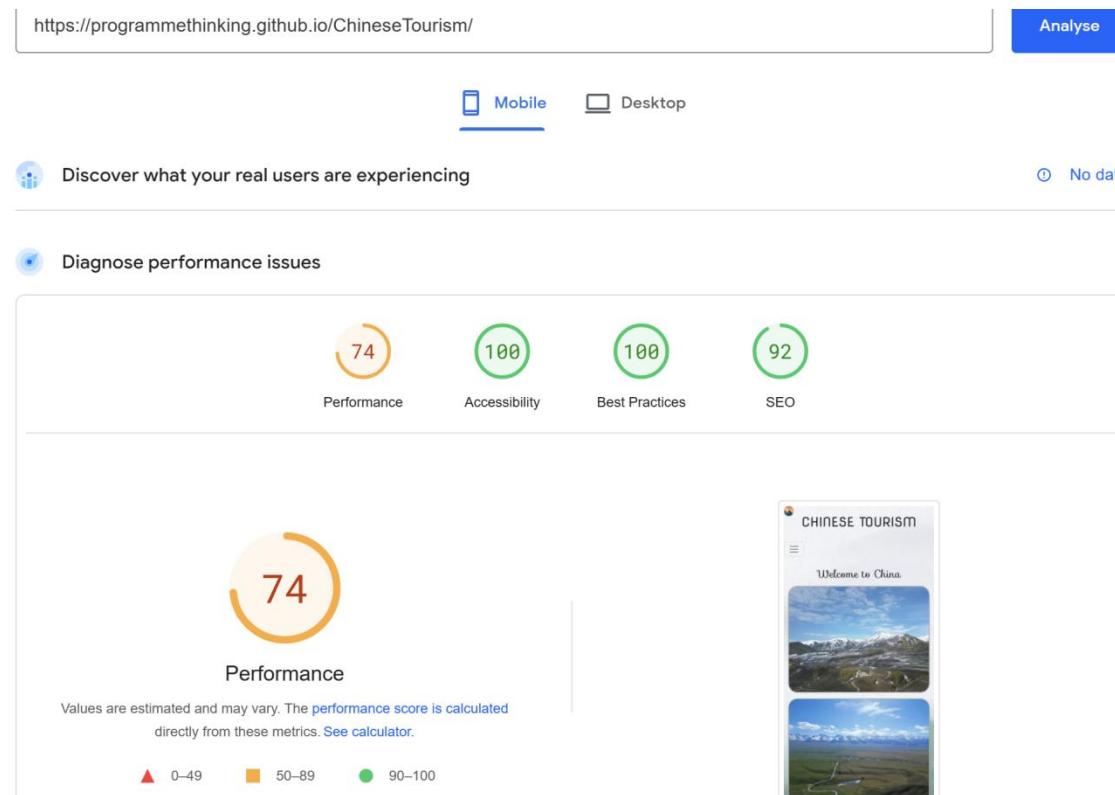
Use understandable HTML tags: Use heading tags (h1-h3) to highlight the main content and structure of the page.

Provide clear metadata: Each page should have a unique title tag that represents the theme and function of the page. For example, <meta name="viewport" content="width=device-width, initial-scale=1.0"> because search engine ranking algorithms consider the mobile-friendliness of web pages.

Use <alt> tags to provide descriptions for images: It helps search engines understand the content of the images.

When deploying the webpage, use URLs that are easy for users and search engines to understand. It improves the site's SEO and user experience.

4.5 Results



5. Conclusion

In our team of four, each member put in a great deal of enthusiasm and effort into the "Chinese Tourism" project, demonstrating outstanding teamwork.

We started with deciding the website's theme and progressed through meticulously drafting sketches to coding in HTML, CSS, and JavaScript. The final stages involved merging the pages, deploying the website, testing, optimization and writing the report. Each step was steadily driven through regular meetings and our collective efforts. The main challenges we faced included achieving consistent navigation and design across all web pages, naming CSS selectors to avoid conflicts and utilizing Git for branch creation and merging.

Overall, we are content with the final outcome of the website, which not only shows our professional skills but also reflects our deep understanding of the Chinese tourism. Given more time, we would consider further optimizing the user experience, designing more attractive CSS styles, and adding more interactive function.

6. References

[CSS 性能优化 – 学习 Web 开发 | MDN \(mozilla.org\)](#)

[viewport meta 标记 – HTML \(超文本标记语言\) | MDN \(mozilla.org\)](#)

[15 Ways to Do SEO – wikiHow](#)

[www.58pic.com](#)