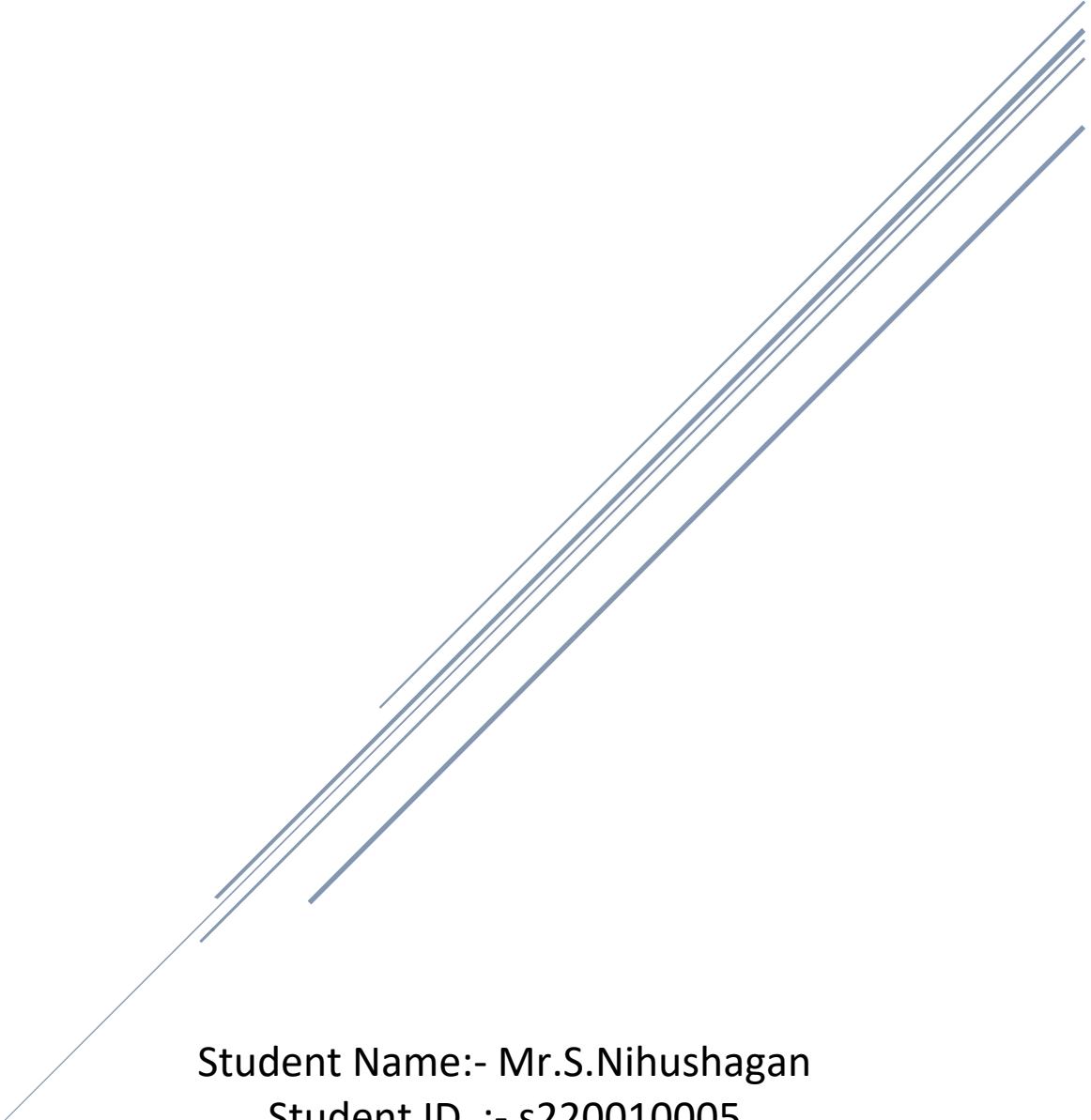


Centre for IT Education (CITES)
Department of Electrical and Computer Engineering
The Open University of Sri Lanka

Mini Project Documentation

EEI3346 - WEB APPLICATIONS



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Content

- Introduction Of Project Page 02
- About project Front Page Page 03
- Problems & Solutions Page 04
- Site Map Page 05
- Architectural Diagram Page 06
- Used Web Technologies and Examples Page 07 - 10
- Test Results Page 11 - 16
- Conclusion Page 17
- Progress Report Page 18 - 19

Introduction Of Project

A one-stop place for all your coin-collecting needs, welcome to Coin Store. I am passionate about offering coin collectors of all levels a comprehensive online platform at Coin Store.

I feel the thrill of finding a rare coin and the sense of satisfaction that comes with completing a collection because I am an active coin collector myself. That's why I built a website that provides a wide-ranging selection of coins from around the globe, including those from Sri Lanka, India, Italy, Indonesia, Qatar, Nepal, United Arab Emirates, and the United Kingdom.

Using HTML, CSS, JS, and VueJS, I've developed a user-friendly website that offers a seamless browsing experience. From rare coin collections and limited edition coins to new releases and coin accessories, I've got everything you need to take your coin-collecting hobby to the next level.

Thank you for choosing Coin Store as your go-to destination for all your coin-collecting needs.

About project Front Page

The coin store website is a great gesture to showcase a large collection of coins from different nations. For visitors to the website to have a satisfying experience, it has been developed with an attractive and user-friendly design.

The home page is the first point of contact for users, and it displays several countries' coins with a clickable option. When a user clicks on a country's coin, it opens up a new page with the country's coins' pictures and details, including the year of issue, denomination, and historical significance. This feature is incredibly helpful for collectors looking to explore and expand their coin collection.

Another exciting feature of this website is the comment page created using VueJS. Users can share their thoughts, experiences, and feedback about the website, making it more interactive and engaging.

The join us free page is another great addition to the website. It provides users with a platform to register for free and get access to exclusive content, updates, and offers. Users are required to fill in some details, such as their name and email, to complete the registration process.

Finally, the contact us page is designed to allow users to send inquiries or feedback to the website's team. When users click on the contact us page, it automatically redirects to a Gmail page, simplifying the communication process.

Overall, the coin store website is an excellent example of a well designed and functional website. It offers a pleasant browsing experience while satisfying the requirements of coin enthusiasts and collectors. Users can explore, interact, and establish connections with the website's team by using features like the clickable options, comment page, and contact us page.

Problems & Solutions

* Problem - I struggled to integrate Vue.js into my website. I found it challenging to understand the concepts and syntax of Vue.js.

Solution - To overcome this problem, I studied the Vue.js documentation and watched online tutorials to learn more about the framework. I also experimented with small features and gradually added more complex ones to my website, which helped me gain more experience with Vue.js.

* Problem - I encountered issues with the CDN links, which were not working correctly, resulting in broken links on my website.

Solution - I carefully checked all the CDN links and corrected any errors or issues that I found. I also tested the links on different browsers and devices to ensure that they were working correctly.

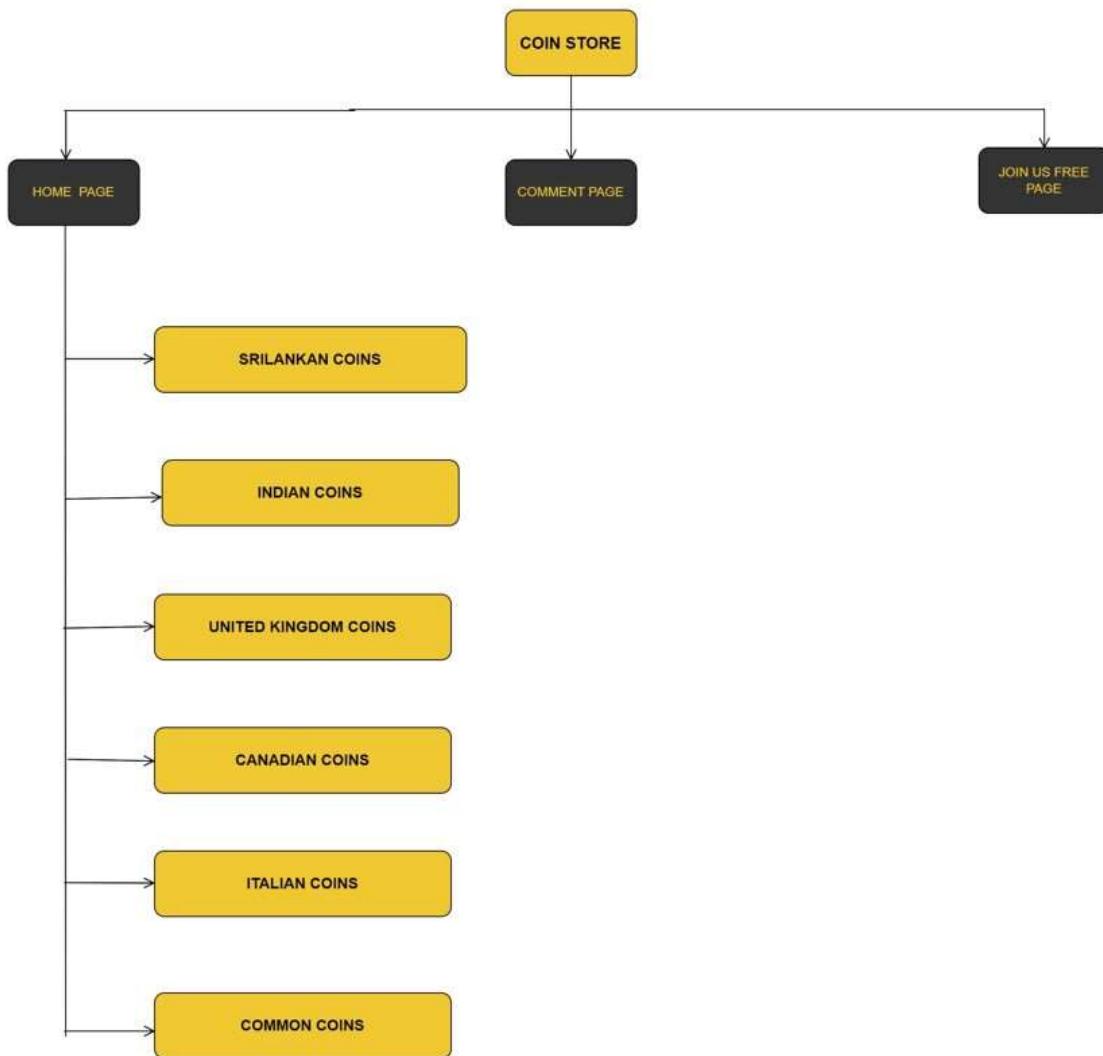
*Problem- Choosing the right color scheme and styling for the website was another challenge.

Solution - I took a minimalist approach and opted for a black background color to give the website a premium look.

*Problem- First I used separate CSS files for each HTML file, it was very difficult to manage my folder and

Solution - I took a minimalist approach and opted for a black background color to give the website a premium look.

Site Map



Architectural Diagram



Used Web Technologies and Examples

Welcome to my Coin Store website, where you can explore my collection of coins from around the world!

I have used a variety of web technologies to create this website, including

- * **Hyper Text Markup Language (HTML 5)**
- * **Cascading Style Sheets (CSS)**
- * **JavaScript**
- * **VueJS (a front-end JavaScript framework).**

The foundation of my website is built on HTML, specifically the 5th version, which I learned through self-study and with the help of resources such as YouTube, stack overflow, w3school, and solo-learn.

I also used CSS to enhance the visual appeal of my website and make it more engaging for visitors. With the help of JavaScript, I was able to add interactive features.

Lastly, I used VueJS to create a comment page, which allows users to give feedback about my coin collections.

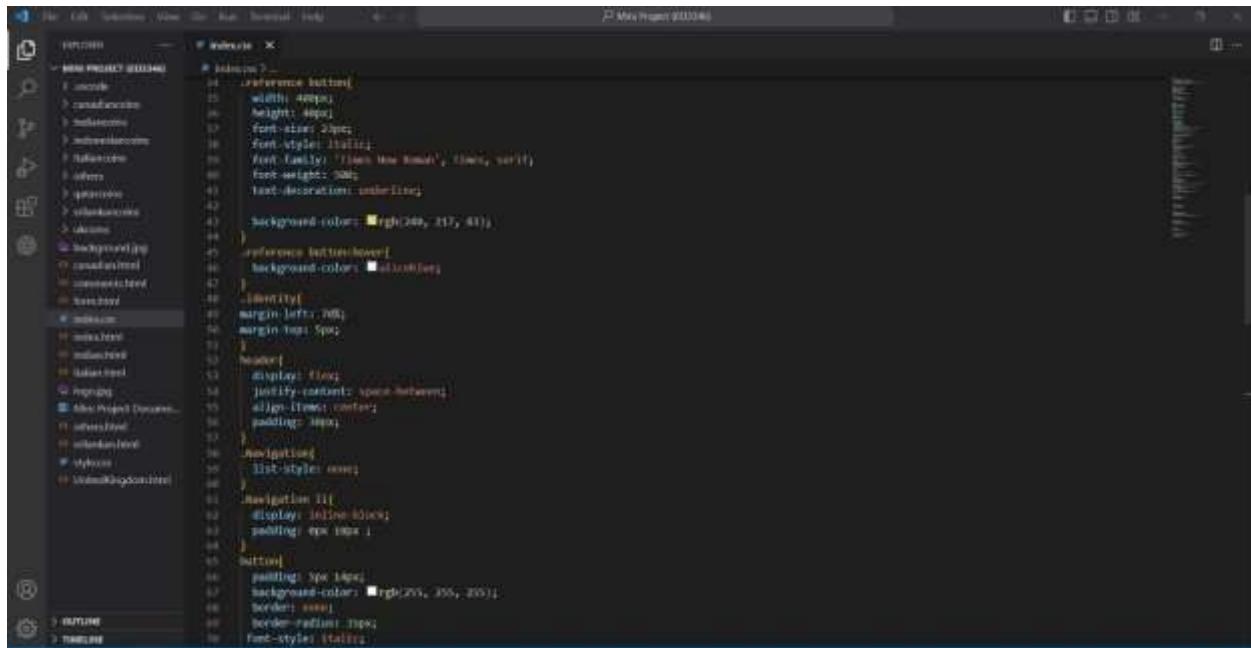
Take a look at the screenshots below to get a sneak peek at the code I used to bring this Coin Store website to life. Thank you for visiting!

• HTML 5

```
index.html > html > body > div.reference > ul > li
1   
2
3   <div class="reference">
4     <ul style="list-style-type: none; padding-left: 0; margin-left: 15%; width: 80%; height: auto; margin-top: 10%; border: 1px solid black; border-radius: 10px; background-color: #f0f0f0; padding: 10px; position: relative; z-index: 1; font-size: 14px; font-weight: bold; color: black; text-decoration: none; border-bottom: 1px solid black; border-bottom-left-radius: 0; border-bottom-right-radius: 0; transition: all 0.3s ease; ">
5       <li><a href="srilankan.html"><button>Srilankan Coins</button></a></li>
6       <li><a href="indian.html"><button>Indian Coins</button></a></li>
7       <li><a href="unitedkingdom.html"><button>United Kingdom Coins</button></a></li>
8       <li><a href="canadian.html"><button>Canadian Coins</button></a></li>
9       <li><a href="italian.html"><button>Italian Coins</button></a></li>
10      <li><a href="others.html"><button>Common Coins</button></a></li>
11    </ul>
12  </div>
13  <footer class="foot" &copy;2023, COIN STORE
14    <a href="http://www.facebook.com/" target="_blank"><button>Facebook</button></a>
15    <a href="http://www.twitter.com/" target="_blank"><button>Twitter</button></a>
16    <a href="http://www.instagram.com/" target="_blank"><button>Instagram</button></a>
17  </footer>
18  <script>
19    function about() {
20      document.getElementById("aboutmessage").innerHTML = "<b>welcome to </b>COIN STORE</b>/<b>0</b><br><br> we are a community of coin collectors who are p
21    }
22  </script>
23 </body>
24 </html>
```

```
index.html > html > body
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5    <meta charset="UTF-8">
6    <meta http-equiv="X-UA-Compatible" content="IE-edge">
7    <meta name="viewport" content="width=device-width, initial-scale=1.0">
8    <title>Coin Store</title>
9    <link rel="stylesheet" href="index.css" type="text/css"> <!-- external style sheet named index attached -->
10   </head>
11
12  <body>
13    <header>
14      <a href="/index.html"></a>
15      <nav>
16        <ul class="navigation">
17          <li><button onclick="about()">About</button></li>
18          <li><a href="comments.html"><button>Comment</button></a></li>
19          <li><a href="/form.html"><button>Join us for free</button></a></li>
20        </ul>
21      </nav>
22      <a href="mailto:info@coinstore.com"><button>Contact us</button></a>
23    </header>
24
25    <p id="aboutmessage" style="color: #rgb(238, 194, 104); margin-left: 20%; margin-right: 20%; font-size: 18px; font-family: monospace; text-align: center; border: 1px solid black; border-radius: 10px; padding: 10px; position: relative; z-index: 1; font-weight: bold; color: black; text-decoration: none; border-bottom: 1px solid black; border-bottom-left-radius: 0; border-bottom-right-radius: 0; transition: all 0.3s ease; ">
26
27      
28
29    <div class="reference">
30      <ul style="list-style-type: none; padding-left: 0; margin-left: 15%; width: 80%; height: auto; margin-top: 10%; border: 1px solid black; border-radius: 10px; background-color: #f0f0f0; padding: 10px; position: relative; z-index: 1; font-size: 14px; font-weight: bold; color: black; text-decoration: none; border-bottom: 1px solid black; border-bottom-left-radius: 0; border-bottom-right-radius: 0; transition: all 0.3s ease; ">
31        <li><a href="srilankan.html"><button>Srilankan Coins</button></a></li>
32        <li><a href="indian.html"><button>Indian Coins</button></a></li>
33        <li><a href="unitedkingdom.html"><button>United Kingdom Coins</button></a></li>
34      </ul>
35    </div>
36  </body>
37 </html>
```

• CSS



The screenshot shows the Microsoft Edge DevTools interface with the 'index.css' file selected in the left sidebar. The main pane displays the following CSS code:

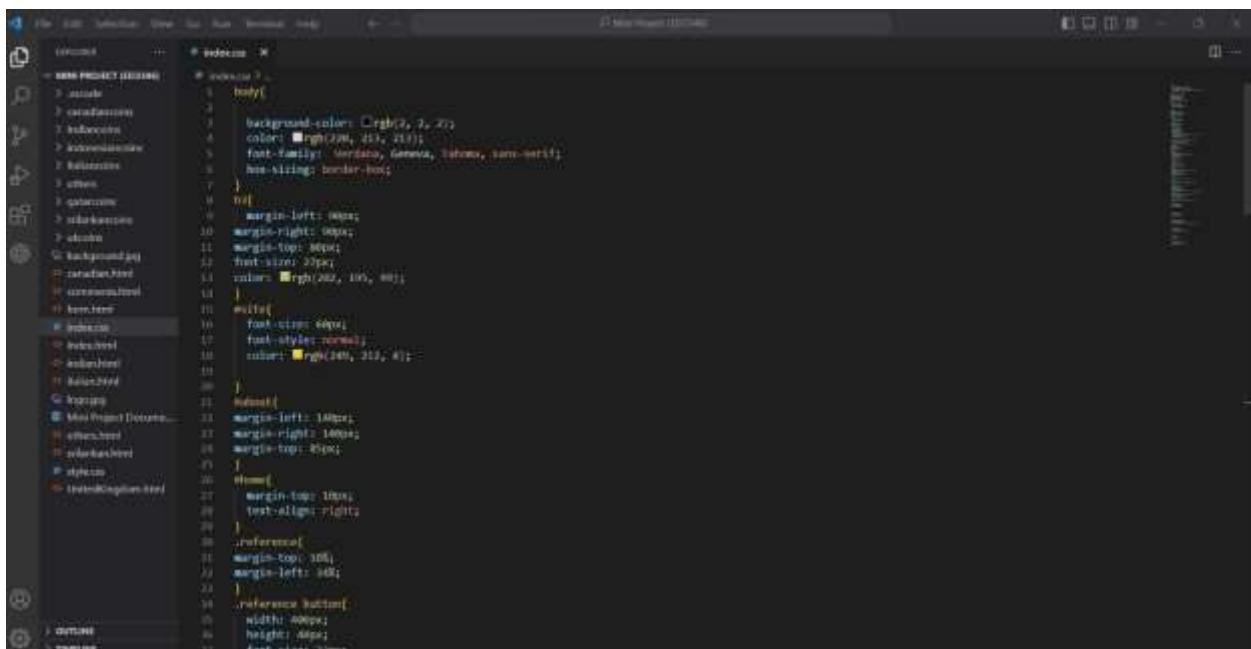
```
body {
    background-color: #rgb(248, 237, 43);
}

.reference-button {
    width: 40px;
    height: 40px;
    font-size: 24px;
    font-style: italic;
    font-family: "Times New Roman", Times, serif;
    font-weight: bold;
    text-decoration: underline;
    background-color: #rgb(255, 255, 255);
    border-radius: 50px;
    color: #rgb(255, 255, 255);
    border: 1px solid #rgb(255, 255, 255);
    padding: 5px;
    margin-left: 20px;
    margin-top: 5px;
}

.reference-button:hover {
    background-color: #rgb(255, 255, 255);
    color: #rgb(255, 255, 255);
    border: 1px solid #rgb(255, 255, 255);
    padding: 5px 10px;
    margin-left: 20px;
    margin-top: 5px;
}

.reference-button:active {
    background-color: #rgb(255, 255, 255);
    color: #rgb(255, 255, 255);
    border: 1px solid #rgb(255, 255, 255);
    padding: 5px 10px;
    margin-left: 20px;
    margin-top: 5px;
}

.reference-button:disabled {
    background-color: #rgb(255, 255, 255);
    color: #rgb(255, 255, 255);
    border: 1px solid #rgb(255, 255, 255);
    padding: 5px 10px;
    margin-left: 20px;
    margin-top: 5px;
}
```



The screenshot shows the Microsoft Edge DevTools interface with the 'index.css' file selected in the left sidebar. The main pane displays the same CSS code as the first screenshot:

```
body {
    background-color: #rgb(248, 237, 43);
    color: #rgb(238, 237, 237);
    font-family: Verdana, Geneva, sans-serif;
    min-height: 100vh;
    margin: 0;
}

.reference-button {
    width: 40px;
    height: 40px;
    font-size: 24px;
    font-style: normal;
    color: #rgb(255, 255, 255);
    border: 1px solid #rgb(255, 255, 255);
    padding: 5px;
    margin-left: 20px;
    margin-right: 20px;
    margin-top: 5px;
    font-size: 20px;
    color: #rgb(255, 255, 255);
    border-radius: 50px;
    border: 1px solid #rgb(255, 255, 255);
    padding: 5px;
    margin-left: 20px;
    margin-right: 20px;
    margin-top: 5px;
}

.reference-button:hover {
    background-color: #rgb(255, 255, 255);
    color: #rgb(255, 255, 255);
    border: 1px solid #rgb(255, 255, 255);
    padding: 5px 10px;
    margin-left: 20px;
    margin-right: 20px;
    margin-top: 5px;
}

.reference-button:active {
    background-color: #rgb(255, 255, 255);
    color: #rgb(255, 255, 255);
    border: 1px solid #rgb(255, 255, 255);
    padding: 5px 10px;
    margin-left: 20px;
    margin-right: 20px;
    margin-top: 5px;
}

.reference-button:disabled {
    background-color: #rgb(255, 255, 255);
    color: #rgb(255, 255, 255);
    border: 1px solid #rgb(255, 255, 255);
    padding: 5px 10px;
    margin-left: 20px;
    margin-right: 20px;
    margin-top: 5px;
}
```

● Java Script

```
<script>
  function about() {
    document.getElementById("aboutmessage").innerHTML = "<u>Welcome to the Italian Coins page!</u><br><br> You can find more about the origins and
  }
</script>
```

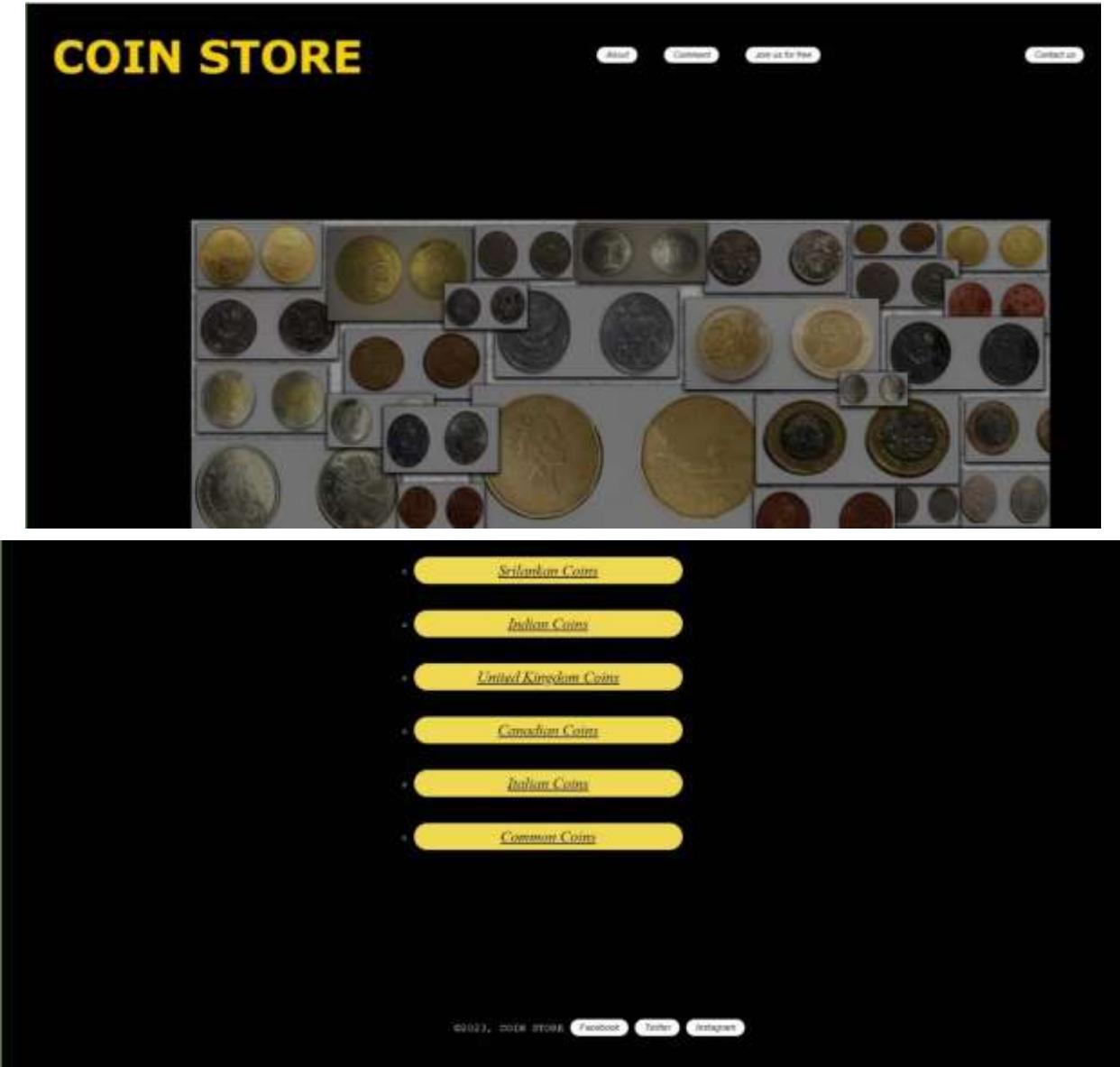
● Vue Js

```
<script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
<script>

  new Vue({
    el: '#app',
    data: {
      name: '',
      comment: '',
      comments: []
    },
    methods: {
      addComment() {
        if (this.name.trim() !== '' && this.comment.trim() !== '') {
          this.comments.push({
            name: this.name,
            comment: this.comment
          });
          this.name = '';
          this.comment = '';
        }
      },
      deleteComment: function (comment) {
        var index = this.comments.indexOf(comment);
        this.comments.splice(index, 1);
      }
    }
  });
</script>
```

Test Results

1. Home Page



Description:

You'll be greeted with a stunning display of other nations' coins as soon as you enter the homepage of our coin store website. You can learn more about the world of coins from a particular country by just clicking a button. You can study the detailed characteristics of each coin as well as a brief summary of its historical significance as you browse through each nation's collection of coins. The varying denominations and compositions of coins from various nations

will also be covered. Our main page was created with simplicity and navigational comfort in mind.

2. About section

The screenshot shows a dark-themed website for "COIN STORE". At the top, there are four small buttons: "About", "Comment", "Join us for free!", and "Contact us". Below the header, the title "Sri Lankan Coins" is displayed in bold. Underneath it, a sub-section title "One Rupee :" is shown. A descriptive paragraph follows, stating: "The smallest value coin being used in Sri Lanka is the one rupee coin. It is a tiny, circular coin with a 20 mm diameter and a 1.5 mm thickness. The coin is made of nickel-plated steel and has a sacred bo tree design on one side, which is a typical Sri Lankan Buddhist symbol. The number "1" and the words "Sri Lanka" are written in Sinhala, Tamil, and English on the coin's back. Since 2017, the coin's current design has been in use." Below this text are two small circular images of the coin, showing its front and back sides. At the bottom of the screenshot, another section title "Two Rupee :" is visible.

Description:

I have created an about section using JavaScript language. The page contains a simple welcome message that greets visitors to the site and provides a brief description of what the website is all about. The message is displayed in a clear and concise manner, ensuring that visitors can quickly understand the purpose of the website.

3. Coin Section

COIN STORE

Sri Lankan Coins

One Rupee :

The smallest value coin being used in Sri Lanka is the one rupee coin. It is a thin circular coin with a 20 mm diameter and a 1.5 mm thickness. The coin is made of nickel plated steel and has a laurel wreath design on one side, which is a typical Sri Lankan Buddhist symbol. The number "1" and the words "Sri Lanka" are written in Sinhala, Tamil, and English on the coin's back. Since 2017, the coin's current design has been in use.



Two Rupee :

An older small value currency in use in Sri Lanka is the two rupee coin. It is a circular coin with a 21 mm diameter and 1.8 mm thickness. The coin is made of brass plated steel and has a temple image on one side to symbolize the nation's rich cultural heritage. The number "2" and the words "Sri Lanka" are written in Sinhala, Tamil, and English on the coin's back. Since 2017, the coin has been in use in its current form.



COIN STORE

Indian Coins

One Rupee :

The official currency of India is the Indian rupee, which has a value of one. It is a tiny, circular coin that measures 25 mm in diameter and weighs 3.79 grams. The official Indian national emblem, the Lion Capital of Ashoka, appears on the coin's front side in Hindi script, the words "₹ इनडियन रुपय" are engraved. The coin's value (1 in Hindi) and the year it was produced are both displayed on the back. The coin appears to be silver in color and is made of ferrous stainless steel. The ₹ 1 rupee coin is currently in use and is widely used in India for smaller transactions.



Two Rupee :

A coin of the Indian rupee, the country's legal currency, is the two rupee coin. It is a tiny, circular coin that measures 25 mm in diameter and weighs 4 grams. The Lion Capital of Ashoka, which is the nation of India's official symbol, can be seen on the front of the coin, along with the Hindi inscribed phrases "₹ दो" and "राष्ट्रीय मुद्रा". The coin's value (2 in Hindi) and the year it was produced are both displayed on the back. Although it is silver in color, the coin is made of copper, zinc, and nickel. Currently in use and widely used in India for small transactions is the ₹ 2 rupee coin.



COIN STORE

United Kingdom Coins

One Penny :

The UK One penny coin is one hundredth of a pound sterling in currency. It has been in use since 1971 in a variety of formats and features a picture of Queen Elizabeth II on the front side. Over the years, the back side has shown a variety of designs, including a crowned portcullis, a portion of the Royal Shield, and most recently, a creation by Matthew Dent that includes portions of the Royal Coat of Arms arranged next to one another, complete the full shield.



Five Pence :

The value of a five pence coin in the UK is one-twentieth of a pound sterling. On the front side of this coin, which has been in circulation since 1968, is a picture of Queen Elizabeth II. On the reverse, the back side of the coin has had many designs, including representations of a thistle, a crown, and royal heralds, a piece of the Royal Shield designed by Andy Clark. To replace the larger, heavier form that was first released in 1968, the current five pence coin is a smaller, lighter design that was released in 1990.



COIN STORE

[Home](#) [Contact](#) [Help & FAQ](#) [Log In](#)

Canadian Coins

Five Cent :

The five cent coin in Canada is commonly referred to as the "nickel" since it is made up of 75% copper and 25% nickel. The coin weighs 3.06g and has a 25.2mm diameter. On the front of the Canadian nickel is a picture of Queen Elizabeth II. Over the years, the back side has included a number of designs, including a bison, a moose, a loon, and a maple leaf. The 50th anniversary of the legalization of homosexuality in Canada was honored by a special five-cent coin that was produced by the Royal Canadian Mint in 2019. On the back of the coin, a stylized maple leaf and the words "EQUALITY - DIVERSITY - LIBERTY (LGBTQ+)" are printed.



Ten Cents :

The "dime" is the common name for the ten-cent coin in use in Canada. It is made of an alloy called cupronickel, which is 91.5% copper and 8.5% nickel. The coin weighs 1.75g and has an 18.8mm diameter. The back side of the Canadian dime features the Canadian Moose, a well-known fishing and racing symbol that is a significant icon of Canadian maritime history. The front side of the coin depicts a portrait of Queen Elizabeth II. Since the Canadian dollar's introduction in 1937, only minor changes have been made to the bluenose picture and a few modifications have been made to Queen Elizabeth's face.



COIN STORE

[Home](#) [Contact](#) [Help & FAQ](#) [Log In](#)

Italian Coins

One Cent :

The smallest value of the euro used in Italy is the one-cent coin. It is a tiny, copper-colored coin that is 16.75 mm in diameter and 1.47 mm thick. The front of the coin has the following Leonardo da Vinci, along with the name "ITALIA" and the year of minting, all featured on this coin. On the back of the coin, there is a representation of an olive branch, one of the emblems of peace, as well as the coin's value (1 CENT). The Italian cent coin, which is now in use in Italy and other member states of the eurozone, is made of steel covered with copper.



Five Cents :

The Italian 5-cent coin is a value of the euro. It is a tiny, copper-colored coin that is 21.25 mm in diameter and 1.47 mm thick. Leonardo da Vinci, the well-known Italian sculptor and painter, the name "ITALIA," and the year of minting are all featured on the coin's front side. On the back of the coin, there is a representation of an olive branch, one of the emblems of peace, as well as the coin's value (5 CENT). Italian 5-cent coins are now in use in Italy and other nations that are members of the eurozone. They are made of steel that is coated in copper.



Description:

I have created an interactive feature on my coin store website where users can click on a specific country and view its corresponding coins with all the necessary details. When a user clicks on a country's button, I have implemented code to open a new page displaying a collection of the coins for that particular country along with their images and important details such as their denominations, mint years, and historical significance.

This feature allows users to explore the coins of their favorite countries in a user-friendly and engaging way. I am confident that this feature will enhance the user experience on my coin store website and make it more informative and enjoyable for coin enthusiasts.

4. Comment Page:



Description:

I have created a comment page using Vue.js for my coin store website. The comment page allows users to leave their feedback, suggestions, or any other comments related to our coin collection.

With a simple and straightforward user interface, the page is designed to be user-friendly and simple to explore. The comment page is clearly labeled, and users may post their thoughts in the provided text box with ease.

Using Vue.js has allowed me to create a dynamic comment section that updates in real-time as new comments are added. Users can view all the comments left by other users and can also edit or delete their own comments if needed.

5. Join us free page

The screenshot shows a registration form titled "Fill this to join us for free". The form fields include: First Name (Subconway), Last Name (Mitschagen), Email (123456789@gmail.com), Password (Enter a strong password!), Birth Date (mm/dd/yyyy), Gender (Male selected), Phone Number, and a yellow "Register" button. A small "OK" button is visible in the top right corner of the form area. The background features the "COIN ST" logo and navigation links.

Description:

I created the "Join Us Free" page to allow users to become a member of the coin store website. This page contains a form that users can fill out with their name, email address, and other relevant information.

If a user enters incorrect details in the "Join Us Free" page, a popup alert will appear to notify them to check their details. This will help prevent users from submitting incorrect or incomplete information, which could cause issues later on. The popup alert will prompt the user to review their details and correct any errors before submitting the form again. This ensures that the user's information is accurate and complete and that they can fully participate in the website's community and offerings.

I designed the "Join Us Free" page to be user-friendly and easy to navigate. The form is simple and straightforward, with clear instructions on how to fill it out. I also made sure to include all the necessary fields, such as name, email address, and password, to ensure that the registration process is complete and accurate.

Conclusion

My Coin Store website that I have created using HTML, CSS, and JavaScript. The website's home page provides an interactive feature that allows users to view coins from different countries. On the click of a button, the user can see a picture and details of the selected country's coins.

Furthermore, I have implemented a comment section using Vue.js to provide users with an opportunity to share their feedback and suggestions. The website also includes a "Join Us Free" page that enables users to join my community and receive updates about new coins and upcoming events.

I have also added a contact us page that automatically opens the user's Gmail account when clicked. Additionally, to enhance the user experience, I have added a popup alert that displays a message when the user enters incorrect information on the "Join Us Free" page.

Overall, I believe that the Coin Store website provides an engaging and user-friendly experience for anyone interested in coins from different countries. By using HTML, CSS, and JavaScript, I have created a functional and visually appealing website that I am proud of.

Thank you for visiting my Coin Store website, and I hope you enjoy exploring my collection as much as I enjoyed creating it!

Progress Report

February 20th to April 2nd

During the past few weeks, I have been working on the development of a coin store website. Here is a brief summary of what I have accomplished during this time,

February 20th to February 27th:

- Developed a basic outline of what features and functionalities I want to include in my website.
- Started working on the HTML and CSS structure of the website, focusing on creating a responsive design.

February 28th to March 6th:

- Continued to work on the HTML and CSS structure, making sure that the website is user-friendly and easy to navigate.
- Added images and text to the website to make it more visually appealing.
- Started working on the on-click coin section, allowing users to view coin pictures and details for different countries.

March 7th to March 13th:

- Completed the on-click coin section and added it to the website.
- Began working on the comment page using Vue.js to allow users to leave comments and feedback on the website.
- Fixed any issues with the HTML and CSS structure.

March 14th to March 20th:

- Completed the comment page using Vue.js and added it to the website.
- Started working on the join us free page, allowing users to sign up and create an account on the website.
- Added a popup alert to the join us free page to notify users if they enter incorrect details.

March 21st to March 27th:

- Completed the join us free page and added it to the website.
- Started working on the contact us page, allowing users to contact the website owner via email.
- Made minor adjustments to the HTML and CSS structure.

March 28th to April 2nd:

- Completed the contact us page and added it to the website.
- Made final adjustments to the HTML and CSS structure to ensure that the website is fully functional and user-friendly.