

HUMCOM1 FINAL EXAMINATION

PROJECT DOCUMENTATION

SUBMITTED BY
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SUBMITTED TO
PASCUAL, JOANA ROSE

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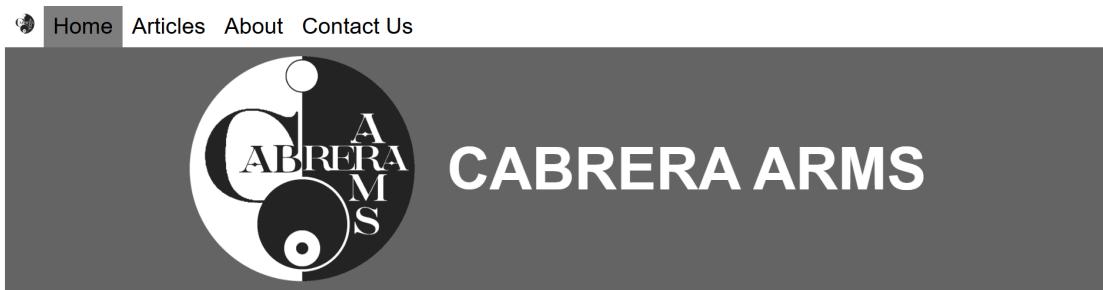
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Website: www.ubaguio.edu

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I. LABORATORY INDIVIDUAL PROJECT PROGRESS 30%



Contact Us (WIP)

The initial 30% project progress was based around creating a basic prototype, identifying proper color schemes, and slowly building the foundations of the vision for my project. Through the use of basic HTML and CSS, I was able to create the website presented above. Although it lacked much functionality, I was satisfied with the overall layout and only held concern over the proper implementation of the navigation bar and the footer. As it was the initial starting point, it also lacked any form of basic responsive design, remaining static even when the window was resized.

The website was initially designed as a place for me to share my knowledge, fascination, and experience (or lack thereof) of both real firearms and their airsoft replicas. I was not confident enough to claim that my knowledge was going to be 100% reliable without some form of research. To that end, the website would contain articles that I would write, drawing not just from my own thoughts but rather from a combination of experiences from mine and other people.

Each requirement for the 30% phase had been accomplished:

1. Functional HTML structure with semantic elements
2. Linked external CSS file
3. Proper file organization
4. Functional Image display



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5. Written description of the site (initial documentation created and in the folder of the 30% phase)

```
header {
    background-color: #666;
    padding: 15px;
    text-align: center;
    font-size: 35px;
    color: white;
    display: flex;
    align-items: center;
    grid-template-columns: 1fr 1fr 1fr;
    column-gap: 5px;
    justify-content: center;
}

img.mainlogo {
    height: 20vw;
    float: left;
}

div.headerText {
    font-size: 50px;
    padding-left: 50px;
}

div.mainBody {
    margin-left: 15%;
    margin-right: 15%;
    margin-top: 30px;
}

div.mainBody p {
    text-indent: 100px;
}
```

```
<div class="navigation">
<nav>
    <ul class="navigation">
        <li><a href="#">Home</a></li>
        <li><a href="#">Home</a></li>
        <li><a href="#">Articles</a></li>
        <li><a href="#">About</a></li>
        <li><a href="#">Contact</a></li>
    </ul>
</nav>
</div>
```

```
<header>
    <div class="mainlogo">
        
    </div>
    <div class="headerText">
        <h1>CABRERA ARMS</h1>
    </div>
</header>

<div class="mainBody">
    <h2>Basic Overview Title</h2>
    <p>LOREM IPSUM SAMPLE TEXTSAMPLE TEXTSAMPLE TEXTSAMPLE TEXTSAMPLE TEXTSAMPLE TEXTSAMPLE<br/>
        SAMPLE TEXTSAMPLE TEXTSAMPLE TEXTSAMPLE TEXTSAMPLE TEXTSAMPLE TEXTSAMPLE TEXTSAMPLE</p>
</div>

<footer>
    <p>Contact Us (WIP)</p>
</footer>
```

```
</body>
</html>
```

The initial page was created with basic HTML and CSS, due to my limited experience and understanding of the tools I had available to me. However I had also begun to create the CSS required for the navigation bar that would be found on every page, and placed it within a centralized, single CSS file.

```
/* Navigation */

ul.navigation li a {
    display: block;
    color: black;
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
    font-size: 2vw;
}

ul.navigation li a:hover:not(.active) {
    background-color: lightslategrey;
}

ul.navigation .active {
    background-color: gray;
}

/* End Navigation */
```

```
/* Navigation */

div.navigation {
    position: -webkit-sticky;
    position: sticky;
    top: 0;
    width: 100%;
    background-color: white;
}

ul.navigation {
    list-style-type: none;
    margin: 0;
    padding: 0;
    overflow: hidden;
    background-color: white;
}

ul li {
    float: left;
}
```



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II. LABORATORY INDIVIDUAL PROJECT PROGRESS 50%

Home Articles About Contact Us



CABRERA ARMS

Cabrera Arms is an independent website created by Gabel Ethan Cabrera to provide a resource into learning about both firearms and airsoft replicas. The website aims to become a credible source of information regarding a weapon's history, functionality, use, parts, and other relevant details.

GOALS

To serve as a credible and reliable source for firearms and airsoft replicas. To provide specific details and fun facts about the weapon presented, as well as their appearances in video games.





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Home Articles About Contact Us

ABOUT US

The Developer

Gabel Cabrera is a student within the University of Baguio, studying the course BSCS. He created this website not just to comply with his requirements, but to also develop his passion for programming, design, and other aspects in life.



The Website

The website was created due to the course requirements, with its theme and ideas selected by the developer. Firearms and airsoft replicas were chosen due to Gabel's fascination with them and wishes to expand his knowledge further. It is designed to hopefully become a reliable and credible source of information regarding those topics.

Home Articles About Contact Us

CONTACT US

Full Name

Email

Subject

The following progress update (50%) is characterized by the presence of more color and more pages, as well as an attempt at making the website more accessible through responsive design. Following the initial index/home page, I had created 2 additional pages to not only fill out the requirements but to also be able to test the functionality of the navigation bar and the footer. The 'about us' page and 'contact us' page were created, one includes a picture of me and the other includes a form submission. Although the contact page would not be functional for a long while and would take an extended amount of time in order to perform a function to a basic acceptable level. The home page itself was also updated, receiving a brand new image to serve as a banner as well as more text that helped fill the white void. Though the text contents remain temporary and subject to change, the formats have been established and would only be slightly altered later on.



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```
▽ CABRERA_PROJECT-50Percent
  > images
  ▽ pages
    < aboutus.html
    < contactus.html
    < index.html
  # mainStyleSheet.css
```

```
@media (max-width: 1000px) {
  header {
    flex-direction: column;
  }
}
```

Introduction of Responsive Design to the website

```
<div class="container">
  <form action="/action_page.php">
    <div class="row">
      <div class="col-25">
        <label for="fname">Full Name</label>
      </div>
      <div class="col-75">
        <input type="text" id="fname" name="fullname" placeholder="Your name.. (LAST NAME, FIRST NAME)">
      </div>
    </div>

    <div class="row">
      <div class="col-25">
        <label for="email">Email</label>
      </div>
      <div class="col-75">
        <input type="email" id="email" name="email" placeholder="Your email..">
      </div>
    </div>

    <div class="row">
      <div class="col-25">
        <label for="subject">Subject</label>
      </div>
      <div class="col-75">
        <textarea id="subject" name="subject" placeholder="Write something.." style="height:200px"></textarea>
      </div>
    </div>

    <br>
    <div class="row">
      <input type="submit" value="Submit">
    </div>
  </form>
</div>
```

Contact form



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```
<footer>

    <div class="footerFlex">
        <div class="footerNav">
            <h4>NAVIGATION</h4>

            <div class="footerNavLinkTexts">
                <div><a href="index.html">Home</a></div>
                <div><a href="#articles">Articles</a></div>
                <div><a href="aboutus.html">About Us</a></div>
                <div><a href="contactus.html">Contact Us</a></div>
            </div>
        </div>

        <div class="footerContact">
            <h4>CONTACT US</h4>
            <div>cabreragabelethan@gmail.com</div>
            <div>+639692074272</div>
        </div>

        <div class="footerEmpty">
        </div>
    </div>
</footer>
```

Updated footer contents

The following requirements for the 50% phase had been achieved:

1. Phase 1 requirements
2. Multiple HTML pages with consistent navigation
3. Expanded content across the pages
4. Basic interactive elements
5. Refined CSS styling with advanced techniques

```
.footerFlex {
    flex-direction: row;
    display: flex;
    text-align: center;
    font-size: 20px;
    padding-bottom: 50px;
}
```

6. Basic responsiveness



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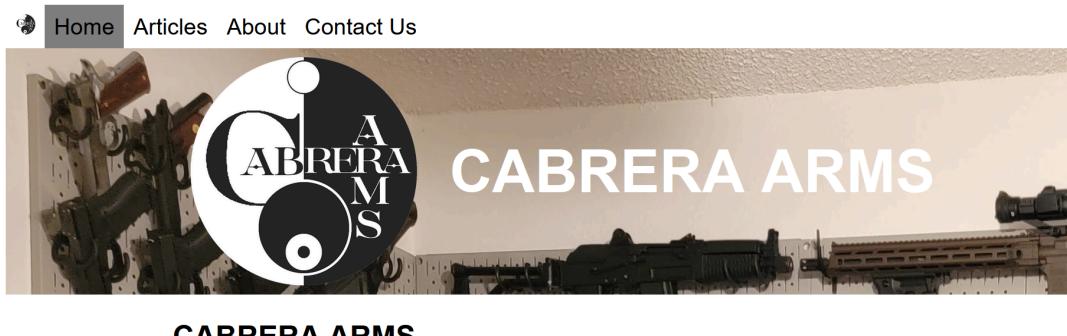
E-mail Address: sit@e.ubaguio.edu

```
@media (max-width: 1000px) {  
    .footerNav .footerContact{  
        flex: 50%;  
    }  
    .footerEmpty{  
        flex: 0%;  
    }  
}  
  
@media (max-width: 1000px) {  
    header {  
        flex-direction: column;  
    }  
}
```

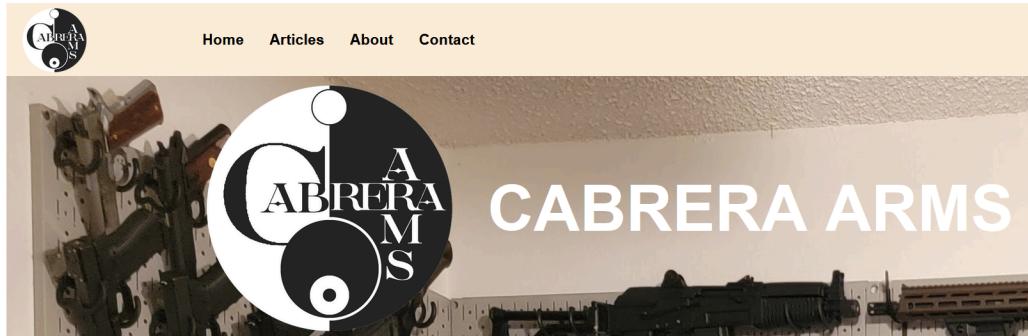
7. Basic Accessibility
8. Validated HTML and CSS

III. LABORATORY INDIVIDUAL PROJECT PROGRESS 75%

In the 75% phase of the project, multiple areas of the website had been improved, particularly in the navigation bar and the improved layout. Presented below is the before and after, comparing the 50% phase to the 75% phase navigation bar.



CABRERA ARMS



We can see the difference between the two versions, with a differently styled navigation bar that uses a different style of CSS.



When the screen is minimized, a hamburger menu appears to take the place of the navigation bar, and clicking it expands the menu showing the actual buttons for navigation.



At this phase, most if not all the pages had basic responsive design functionality, allowing different devices to access the website.

ABOUT US

The Developer

Gabel Cabrera is a student within the University of Baguio, studying the course BSCS. He created this website not just to comply with his requirements, but to also develop his passion for programming, design, and other aspects in life.



The Website

CABRERA ARMS



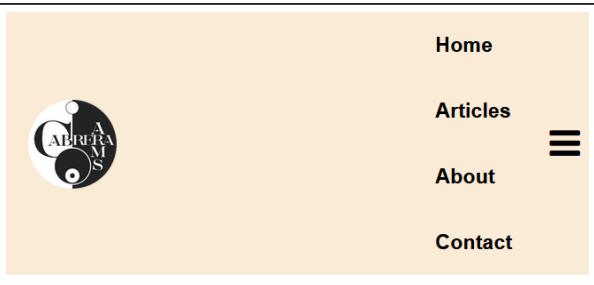
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Although the website's design had improved, it still lacked the articles page and retained the very few issues in the CSS code. The website in this phase also lacked multiple functionalities, such as lacking more than 1 JavaScript function or the header/footer not sticking to the top and bottom. This may become an issue for navigation, forcing the user to navigate all the way to the top of the page. The only JavaScript function in use is the one that allows the navigation hamburger menu to function correctly, however it had a small issue where you would need to double click it.



```
<script>
function myFunction() {
    var x = document.getElementById("naviBar");
    if (x.className === "navBarFlex") {
        x.className += " responsive";
    } else {
        x.className = "navBarFlex";
    }
}
</script>

<div class="navBarMenu">

    <a href="javascript:void(0); class="icon" onclick="myFunction()">
        <i class="fa fa-bars"></i>
    </a>

</div>
```

CSS issue and increasing size



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CONTACT US

IV. LABORATORY INDIVIDUAL PROJECT PROGRESS 90%

The 90% phase of the project now finally includes the articles page, as well as placeholder links in order to demonstrate the grid layout of the articles.

A screenshot of a website showing a header with the university logo and navigation links for HOME, ARTICLES, ABOUT, and CONTACT. Below the header is a large orange banner with the text "LATEST ARTICLES". Underneath the banner are three items: a thumbnail image of a person wearing safety glasses, a placeholder square with an 'X' pattern, and another placeholder square with an 'X' pattern. Each item has a caption below it: "Gun Safety: Basics", "Placeholder", and "Placeholder".



Gun Safety: Basics



Placeholder



Placeholder

Each page now also includes additional JavaScript functions, such as the new Top button, which moves the screen all the way to the top. The button also appears based on another JavaScript function, allowing the website to detect whether or not the user has scrolled through the website enough in order to show the button.



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1 video

Top

Most, if not all major parts of each page can now also be collapsed and extended.

CABRERA ARMS

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The contact page now also verifies whether or not the input is valid through another JavaScript function.

Full Name

Your name.. (LAST NAME, FIRST NAME)

Please enter your name.

Email

Your email..

Please input your email address.

Subject

Write something..

Please write your message here.

The scripts themselves have been moved to their own file, not only to improve organization but to also fix a number of small issues.



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A screenshot of a code editor interface. On the left, there is a sidebar with a tree icon and the text "scripts" next to it. Below the sidebar, a file named "mainScripts.js" is listed with a "JS" icon. The main area of the editor shows several lines of JavaScript code.

```
/*
 * This file contains all the functions used in the application.
 */
function calculateTotalPrice() {
    var total = 0;
    for (var i = 0; i < products.length; i++) {
        total += products[i].price;
    }
    return total;
}

function calculateAverageRating() {
    var sum = 0;
    for (var i = 0; i < reviews.length; i++) {
        sum += reviews[i].rating;
    }
    return sum / reviews.length;
}
```

The second picture is a small screenshot of the mini-preview of the entire file of the JavaScript functions.

ABOUT US

The heading style had also been changed, using a full bar of color instead of just around the heading.

ABOUT US

The CSS file had also become even much bigger, visible through the screenshot of the preview.



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Full Pages

The screenshot shows the homepage of Cabrera Arms. At the top left is a circular logo with "CABRERA ARMS" and a stylized "Co". To its right are navigation links: HOME, ARTICLES, ABOUT, and CONTACT. The main background image features several firearms and airsoft replicas on a shelf. Overlaid on the image is the text "CABRERA ARMS". Below the image is a section titled "CABRERA ARMS" with a small downward arrow. A descriptive paragraph follows, stating: "Cabrera Arms is an independent website created by Gabel Ethan Cabrera to provide a resource into learning about both firearms and airsoft replicas. The website aims to become a credible source of information regarding a weapon's history, functionality, use, parts, and other relevant details." Another section titled "GOALS" with a downward arrow is visible below. At the bottom of the page is a footer bar with various icons and the text "©Cabrera2025".



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HOME ARTICLES ABOUT CONTACT

LATEST ARTICLES



Gun Safety: Basics



Placeholder



Placeholder



HOME ARTICLES ABOUT CONTACT

ABOUT US

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[HOME](#) [ARTICLES](#) [ABOUT](#) [CONTACT](#)

CONTACT US

Full Name

Email

Subject

©Cabrera2025

NAVIGATION

[Home](#)
[Articles](#)
[About Us](#)
[Contact Us](#)

CONTACT US

cabrera@ebethan@gmail.com
+639692074272

[Top](#)

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(Footer universal across the available pages)



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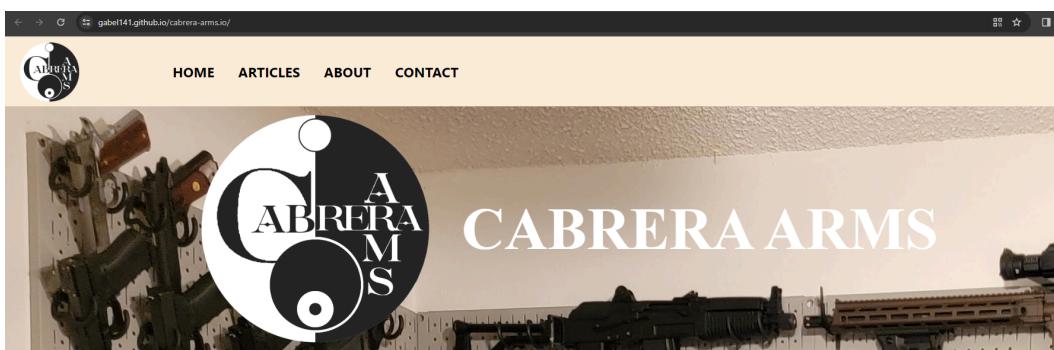
V. LABORATORY INDIVIDUAL PROJECT PROGRESS 100%

There were minimal updates to the website in the final 100% phase, only adjusting multiple elements and improving the website with feedback in mind. In particular, most of the footer has been removed from all the pages, leaving only my contact details.



However the main reason for the phase update is the upload of the website to github, allowing users to now access the website using the domain:

<https://gabel141.github.io/cabrera-arms.io/>



CABRERA ARMS [V]

Cabrera Arms is an independent website created by Gabel Ethan Cabrera to provide a resource into learning about both firearms and airsoft replicas. The website aims to become a credible source of information regarding a weapon's history, functionality, use, parts, and other relevant details.

GOALS [V]

It required that I create my own github repository with my gmail account in order to publish the website, which was simple enough.



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Popular repositories

[cabrera-arms.io](#)

Public

HTML

Afterwards, all I had to do was tweak some settings and my website would be deployed.

[GitHub Pages](#) is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at <https://gabel141.github.io/cabrera-arms.io/>
Last deployed by Gabel141 now

Visit site

...

Build and deployment

Source

[Deploy from a branch](#) ▾

Branch

Your GitHub Pages site is currently being built from the [main](#) branch. [Learn more about configuring the publishing source for your site.](#)

main ▾

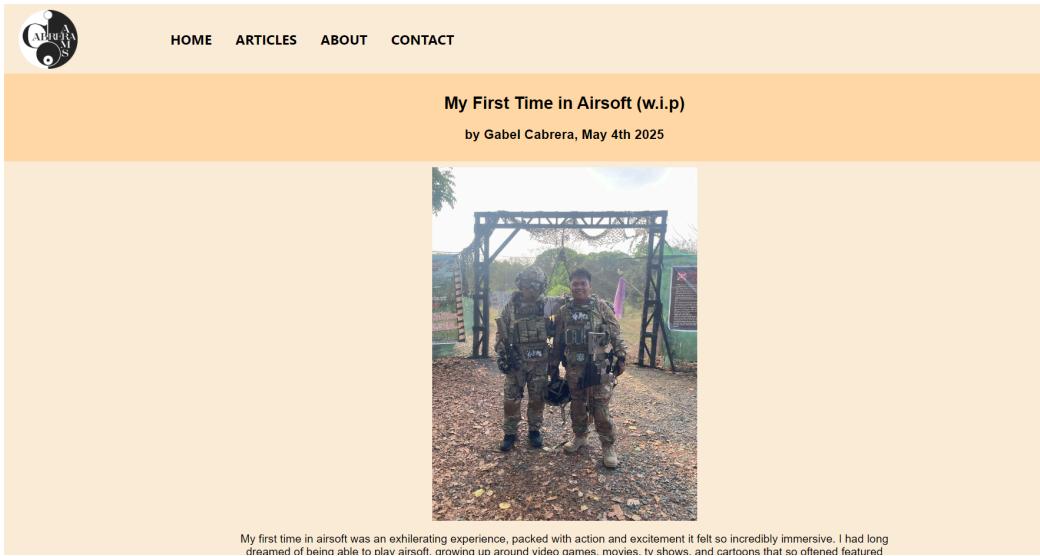
/ (root) ▾

[Save](#)

Learn how to [add a Jekyll theme](#) to your site.

Your site was last deployed to the [github-pages](#) environment by the [pages build and deployment](#) workflow.
[Learn more about deploying to GitHub Pages using custom workflows](#)

Alongside that, I had also uploaded a temporary article that will serve as a basis for the next articles that will come. It holds an image and a brief description about my first experience in airsoft.



My First Time in Airsoft (w.i.p)
by Gabel Cabrera, May 4th 2025

My first time in airsoft was an exhilarating experience, packed with action and excitement. It felt so incredibly immersive. I had long dreamed of being able to play airsoft, growing up around video games, movies, TV shows, and cartoons that so often featured

Likewise, my articles page was updated to include the new article.

LATEST ARTICLES



Safety: Basics



My First Time in Airsoft



Placeholder

As of 9:22 AM, May 6 2025, I had an issue with the article page not redirecting to the home/index page properly however that may be an issue related to github itself as I had already updated the pages but it seems that website does not currently reflect that. The following is a code snippet from the article page.



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```
6      <body>
7
8      <div class="navigation" > <!-- Navbar -->
9          <nav>
10             <div class="navBarFlex">
11
12                 <div class="navBarImageBar"><a href="../../index.html"></a></div>
13
14                 <div class="navBar" id="naviBar">
15
16                     <div class="navBarItems" id="navItems"><a href="../../index.html"><div class="navBarItems"><h3>HOME</h3></div></a></div>
17                     <div class="navBarItems" id="navItems"><a href="../../articles.html"><div class="navBarItems"><h3>ARTICLES</h3></div></a></div>
18                     <div class="navBarItems" id="navItems"><a href="../../aboutus.html"><div class="navBarItems"><h3>ABOUT</h3></div></a></div>
19                     <div class="navBarItems" id="navItems"><a href="../../contactus.html"><div class="navBarItems"><h3>CONTACT</h3></div></a></div>
20
21             </div>
22
23         </div>
```