

HUMCOM1 FINAL EXAMINATION

PROJECT DOCUMENTATION

SUBMITTED BY
CABRERA, GABEL ETHAN

SUBMITTED TO
PASCUAL, JOANA ROSE

TABLE OF CONTENTS

I. LABORATORY INDIVIDUAL PROJECT PROGRESS 30%	3
II. LABORATORY INDIVIDUAL PROJECT PROGRESS 50%	5
III. LABORATORY INDIVIDUAL PROJECT PROGRESS 75%	9
IV. LABORATORY INDIVIDUAL PROJECT PROGRESS 90%	12



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguiio.edu

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

I. LABORATORY INDIVIDUAL PROJECT PROGRESS 30%

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



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071 Website: www.ubaguio.edu E-mail Address: sit@e.ubaguio.edu

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;
}
```



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguio.edu

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

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.





SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguio.edu

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

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.



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguio.edu

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

```
▽ 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



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071 Website: www.ubaguio.edu E-mail Address: sit@e.ubaguio.edu

```
<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



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguio.edu

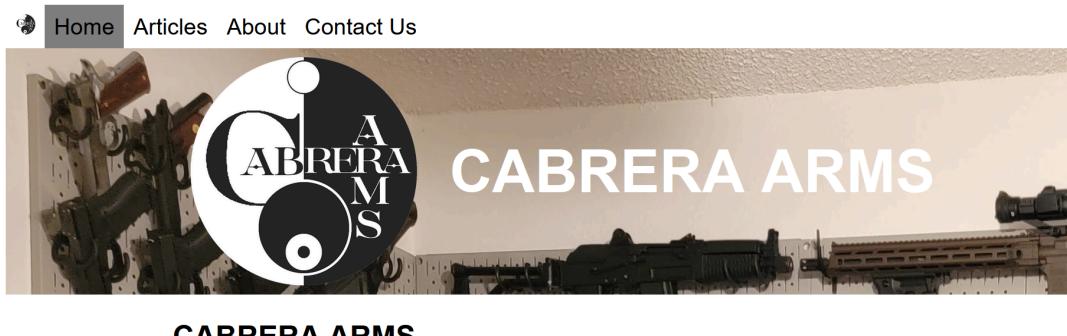
E-mail Address: sit@e.ubaguio.edu

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

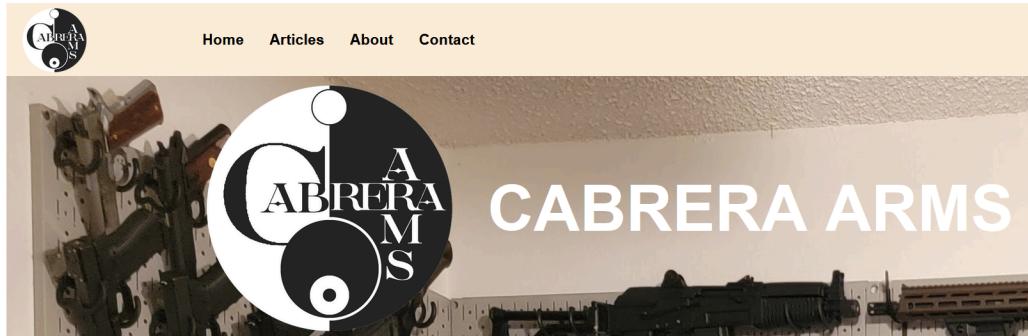
7. Basic Accessibility
8. Validated HTML and CSS

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



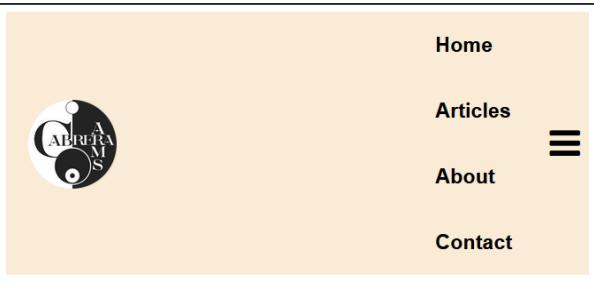
SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguio.edu

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

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



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguio.edu

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



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 a logo and navigation links (HOME, ARTICLES, ABOUT, 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 gray placeholder square with an "X" pattern, and another gray 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 website enough in order to show the button.



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguio.edu

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

1 video

Top

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

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.

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.



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguiro.edu

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

A screenshot of a code editor showing a file named "mainScripts.js". The file contains several lines of JavaScript code, including functions and variable declarations. The code is color-coded for syntax highlighting.

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.



UNIVERSITY OF
Baguio

SCHOOL OF INFORMATION TECHNOLOGY

General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguiio.edu

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



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguio.edu

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

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, including rifles and handguns, displayed on a wall. Overlaid on the image is the text "CABRERA ARMS" in large, white, sans-serif letters. Below the image, there are two sections: "CABRERA ARMS" with a dropdown arrow, and "GOALS" with a dropdown arrow. A horizontal navigation bar at the bottom includes links for Home, About, Articles, Contact, and Help, along with social media icons for Facebook, Twitter, and YouTube. A copyright notice "©Cabrera2025" is visible at the bottom center.



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguo.edu

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



HOME ARTICLES ABOUT CONTACT

LATEST ARTICLES



Gun Safety: Basics



Placeholder



Placeholder



HOME ARTICLES ABOUT CONTACT

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 these



SCHOOL OF INFORMATION TECHNOLOGY
General Luna Road, Baguio City Philippines 2600

Telefax No.: (074) 442-3071

Website: www.ubaguio.edu

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



[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](#)

©Cabrera2025

(Footer universal across the available pages)