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BSIT 3-C

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IT ELEC 1
WEB
DEVELOPMENT

Submitted to
Prof.John Paul Azore

Part 1: Defining Basic Routes

1. Create a simple route that returns a view for the homepage. The view should display a welcome message.
2. Create additional routes that:
 - o Return a view for an "About Us" page.
 - o Redirect from /home to / (the homepage).
 - o Display a "Contact Us" form.

Part 2: Using Route Parameters

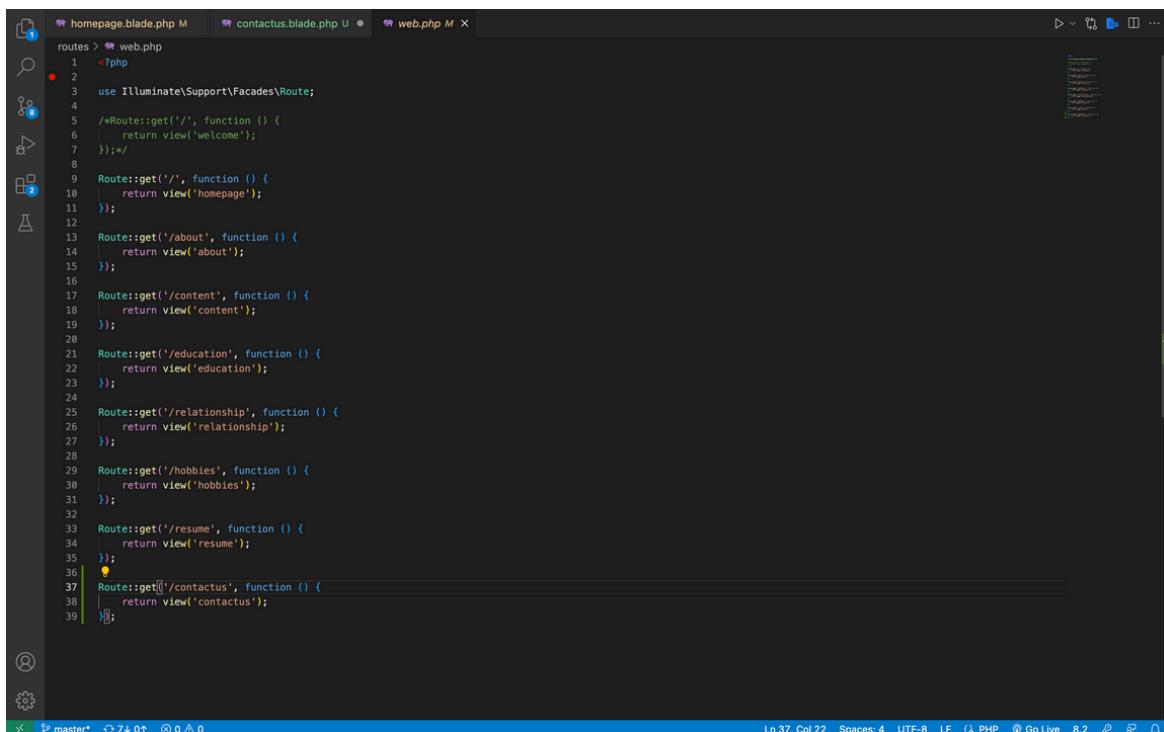
1. Define a route with a required parameter:
 - o Create a route that accepts a username parameter and displays a welcome message that includes the username.
 - o Example: /user/johndoe should return a view with "Welcome, johndoe!".
2. Define a route with an optional parameter:
 - o Modify the previous route to make the username optional. If no username is provided, display a generic welcome message.
 - o Example: /user should return a view with "Welcome, Guest!".
3. Apply regular expression constraints to the route parameters:
 - o Ensure that the username only accepts alphabetic characters (a-z, A-Z).

Part 3: Documentation (Individual)

1. Take screenshots of your application runtime along with its code.
2. Provide a detailed explanation of how your code works, highlighting the purpose of each key section.

DOCUMENTATION

Part 1: Defining Basic Routes



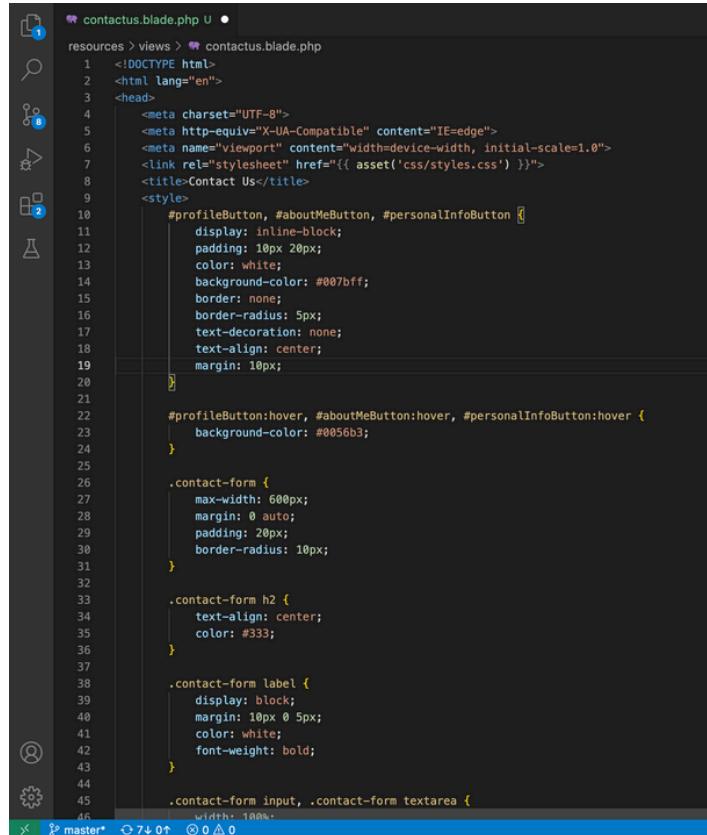
The screenshot shows a code editor with three tabs open: 'homepage.blade.php', 'contactus.blade.php', and 'web.php'. The 'web.php' tab is active and contains the following PHP code:

```
routes > web.php
1  *?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*Route::get('/', function () {
6      //return view('welcome');
7  });*/
8
9  Route::get('/', function () {
10     //return view('homepage');
11 });
12
13 Route::get('/about', function () {
14     //return view('about');
15 });
16
17 Route::get('/content', function () {
18     //return view('content');
19 });
20
21 Route::get('/education', function () {
22     //return view('education');
23 });
24
25 Route::get('/relationship', function () {
26     //return view('relationship');
27 });
28
29 Route::get('/hobbies', function () {
30     //return view('hobbies');
31 });
32
33 Route::get('/resume', function () {
34     //return view('resume');
35 });
36
37 Route::get('/contactus', function () {
38     //return view('contactus');
39 });

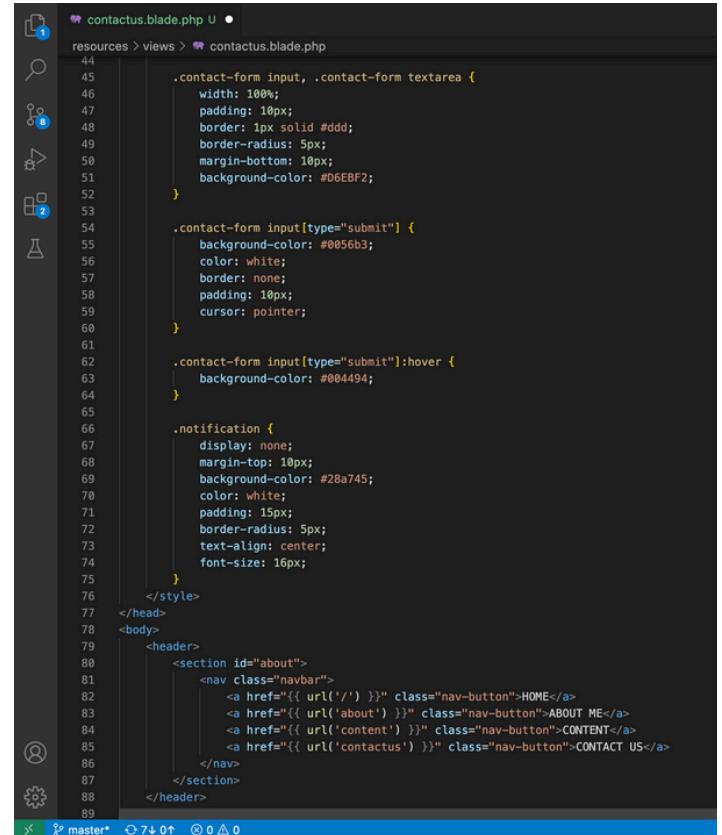
master* 740 0 0 0
```

The code defines several routes using the `Route::get()` method, each returning a specific view. The views are located in blade files: 'welcome', 'homepage', 'about', 'content', 'education', 'relationship', 'hobbies', 'resume', and 'contactus'. The code editor interface includes a sidebar with icons for file operations like copy, paste, and delete, and a status bar at the bottom showing file details like 'Ln 37, Col 22' and file type 'PHP'.

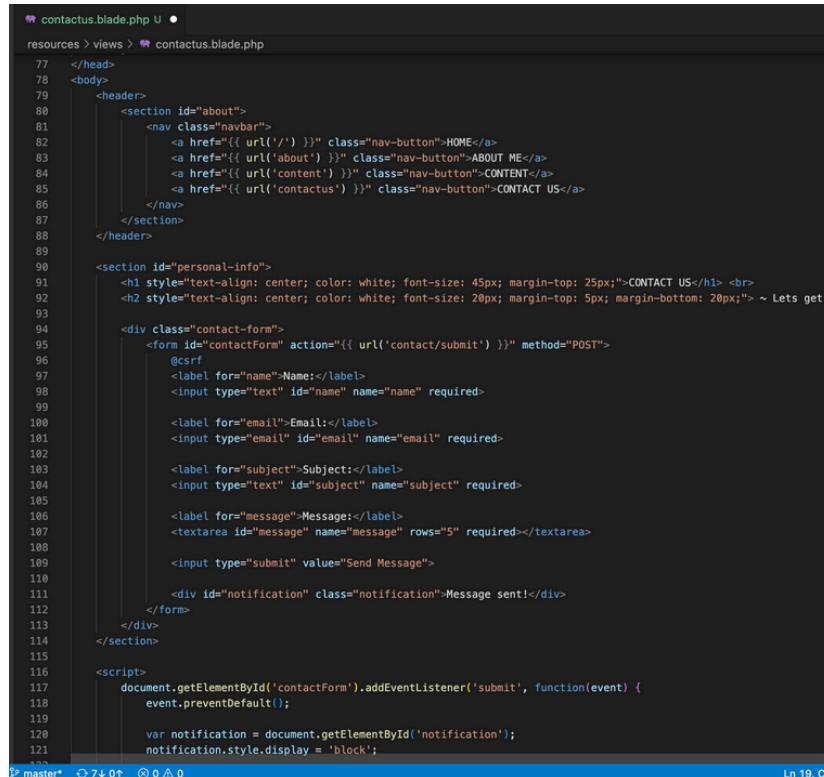
Source code inside the contact us file



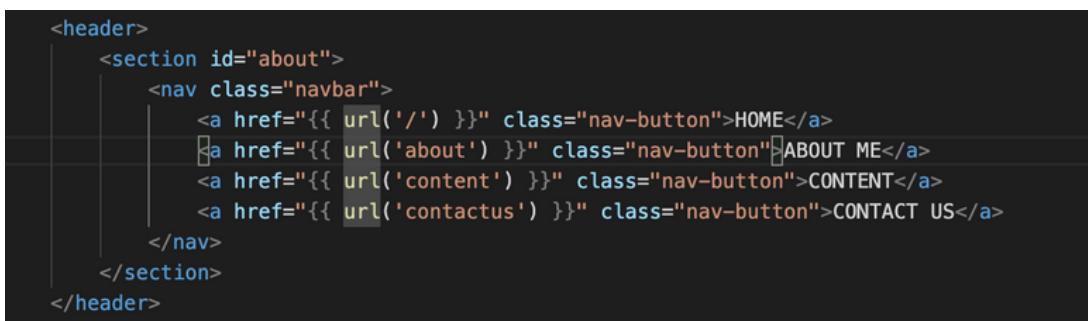
```
resources > views > contactus.blade.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <link rel="stylesheet" href="{{ asset('css/styles.css') }}>
8  <title>Contact US</title>
9  <style>
10     #profileButton, #aboutMeButton, #personalInfoButton {
11         display: inline-block;
12         padding: 10px 20px;
13         color: white;
14         background-color: #007bff;
15         border: none;
16         border-radius: 5px;
17         text-decoration: none;
18         text-align: center;
19         margin: 10px;
20     }
21
22     #profileButton:hover, #aboutMeButton:hover, #personalInfoButton:hover {
23         background-color: #0056b3;
24     }
25
26     .contact-form {
27         max-width: 600px;
28         margin: 0 auto;
29         padding: 20px;
30         border-radius: 10px;
31     }
32
33     .contact-form h2 {
34         text-align: center;
35         color: #333;
36     }
37
38     .contact-form label {
39         display: block;
40         margin: 10px 0 5px;
41         color: white;
42         font-weight: bold;
43     }
44
45     .contact-form input, .contact-form textarea {
46         width: 100%;
```



```
resources > views > contactus.blade.php
44
45     .contact-form input, .contact-form textarea {
46         width: 100%;
47         padding: 10px;
48         border: 1px solid #ddd;
49         border-radius: 5px;
50         margin-bottom: 10px;
51         background-color: #d6eaf2;
52     }
53
54     .contact-form input[type="submit"] {
55         background-color: #0056b3;
56         color: white;
57         border: none;
58         padding: 10px;
59         cursor: pointer;
60     }
61
62     .contact-form input[type="submit"]:hover {
63         background-color: #004494;
64     }
65
66     .notification {
67         display: none;
68         margin-top: 10px;
69         background-color: #28a745;
70         color: white;
71         padding: 15px;
72         border-radius: 5px;
73         text-align: center;
74         font-size: 16px;
75     }
76
77 </style>
78 </head>
79 <header>
80     <section id="about">
81         <nav class="navbar">
82             <a href="{{ url('/') }}" class="nav-button">HOME</a>
83             <a href="{{ url('about') }}" class="nav-button">ABOUT ME</a>
84             <a href="{{ url('content') }}" class="nav-button">CONTENT</a>
85             <a href="{{ url('contactus') }}" class="nav-button">CONTACT US</a>
86         </nav>
87     </section>
88 </header>
89
90 <section id="personal-info">
91     <h1 style="text-align: center; color: white; font-size: 45px; margin-top: 25px;">CONTACT US</h1>
92     <h2 style="text-align: center; color: white; font-size: 20px; margin-top: 5px; margin-bottom: 20px;">~ Lets get in touch! ~</h2>
93
94     <div class="contact-form">
95         <form id="contactForm" action="{{ url('contact/submit') }}" method="POST">
96             @csrf
97             <label for="name">Name:</label>
98             <input type="text" id="name" name="name" required>
99
100            <label for="email">Email:</label>
101            <input type="email" id="email" name="email" required>
102
103            <label for="subject">Subject:</label>
104            <input type="text" id="subject" name="subject" required>
105
106            <label for="message">Message:</label>
107            <textarea id="message" name="message" rows="5" required></textarea>
108
109            <input type="submit" value="Send Message">
110
111            <div id="notification" class="notification">Message sent!</div>
112        </form>
113    </div>
114 </section>
115
116 <script>
117     document.getElementById("contactForm").addEventListener("submit", function(event) {
118         event.preventDefault();
119
120         var notification = document.getElementById('notification');
121         notification.style.display = 'block';
122     });
123 </script>
124
125 </body>
126 </html>
```



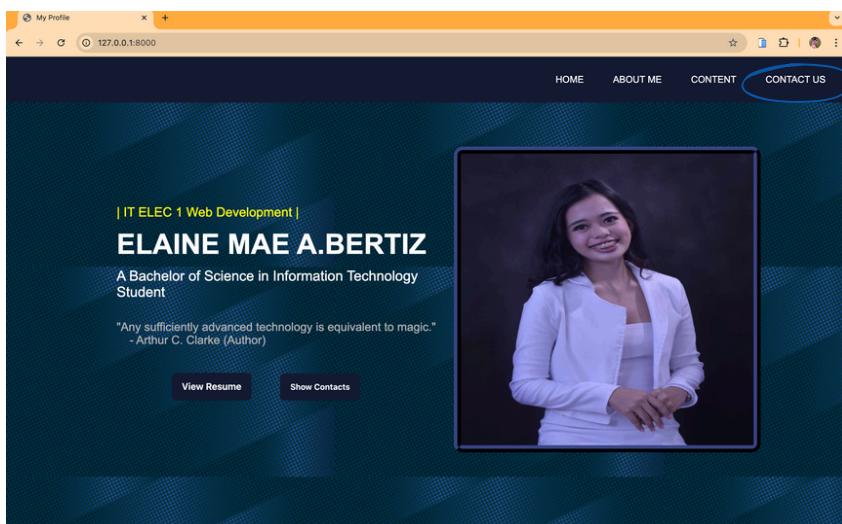
```
resources > views > contactus.blade.php
77 <head>
78 <body>
79     <header>
80         <section id="about">
81             <nav class="navbar">
82                 <a href="{{ url('/') }}" class="nav-button">HOME</a>
83                 <a href="{{ url('about') }}" class="nav-button">ABOUT ME</a>
84                 <a href="{{ url('content') }}" class="nav-button">CONTENT</a>
85                 <a href="{{ url('contactus') }}" class="nav-button">CONTACT US</a>
86             </nav>
87         </section>
88     </header>
89
90     <section id="personal-info">
91         <h1 style="text-align: center; color: white; font-size: 45px; margin-top: 25px;">CONTACT US</h1>
92         <h2 style="text-align: center; color: white; font-size: 20px; margin-top: 5px; margin-bottom: 20px;">~ Lets get in touch! ~</h2>
93
94         <div class="contact-form">
95             <form id="contactForm" action="{{ url('contact/submit') }}" method="POST">
96                 @csrf
97                 <label for="name">Name:</label>
98                 <input type="text" id="name" name="name" required>
99
100                <label for="email">Email:</label>
101                <input type="email" id="email" name="email" required>
102
103                <label for="subject">Subject:</label>
104                <input type="text" id="subject" name="subject" required>
105
106                <label for="message">Message:</label>
107                <textarea id="message" name="message" rows="5" required></textarea>
108
109                <input type="submit" value="Send Message">
110
111                <div id="notification" class="notification">Message sent!</div>
112            </form>
113        </div>
114    </section>
115
116    <script>
117        document.getElementById("contactForm").addEventListener("submit", function(event) {
118            event.preventDefault();
119
120            var notification = document.getElementById('notification');
121            notification.style.display = 'block';
122        });
123    </script>
124
125    </body>
126 </html>
```



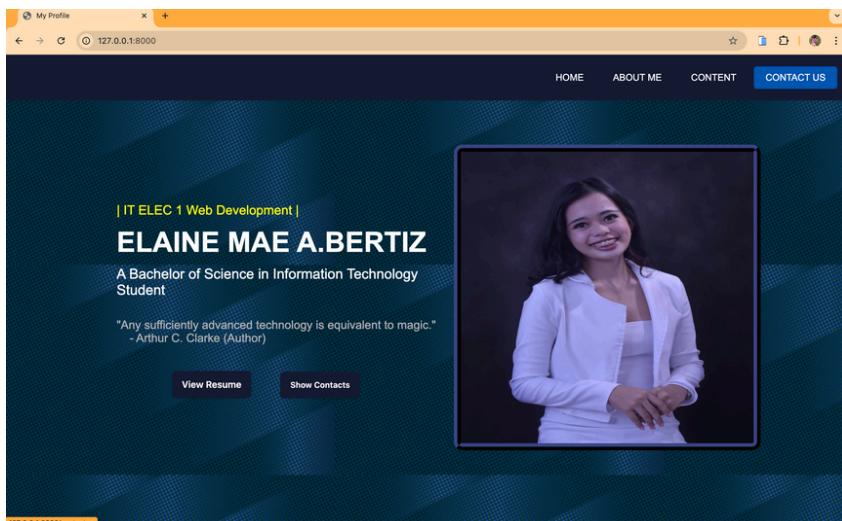
```
<header>
    <section id="about">
        <nav class="navbar">
            <a href="{{ url('/') }}" class="nav-button">HOME</a>
            <a href="{{ url('about') }}" class="nav-button">ABOUT ME</a>
            <a href="{{ url('content') }}" class="nav-button">CONTENT</a>
            <a href="{{ url('contactus') }}" class="nav-button">CONTACT US</a>
        </nav>
    </section>
</header>
```

Added a new navigation bar for 'Contact Us' page

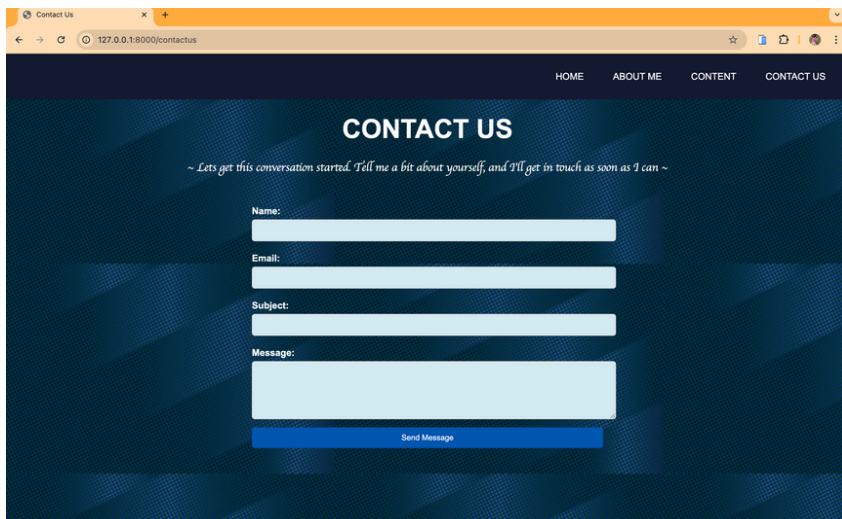
RESULT



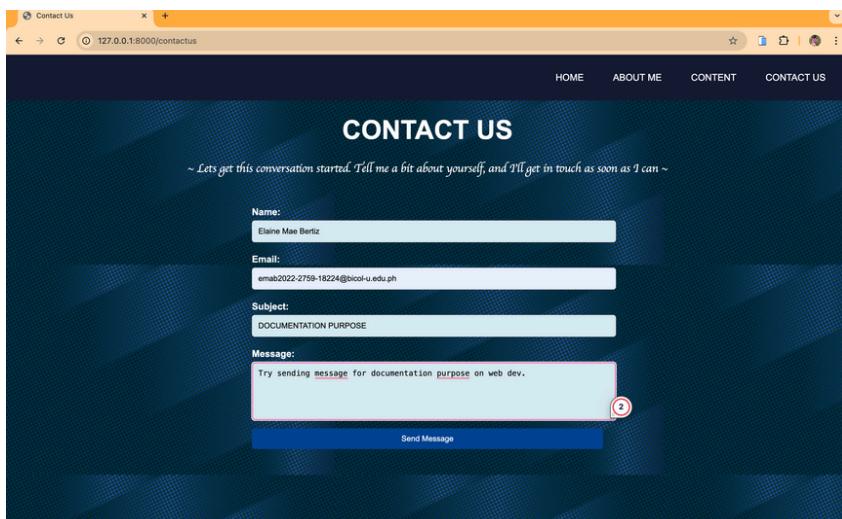
New navigation bar for the 'Contact us' page.



When the 'Contact us' is being clicked, it will direct you to the page of 'Contact us'.



Here is the 'Contact us' page where it will ask your name, email, subject and message.



Once done filling up the form, you can now click the 'send message' button.

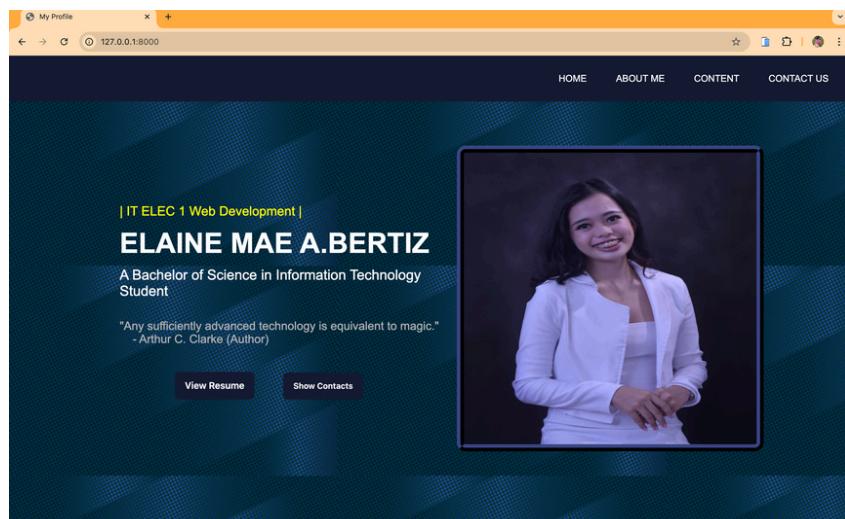
RESULT

The screenshot shows a contact form titled "CONTACT US". It includes fields for Name, Email, Subject, and Message. The message field contains the text "Try sending message for documentation purpose on web dev.". Below the form are two buttons: "Send Message" (blue) and "Message sent!" (green). The URL in the address bar is 127.0.0.1:8000/contactus.

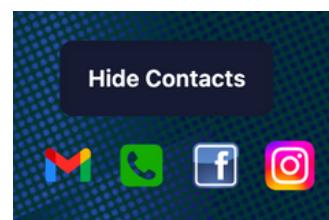
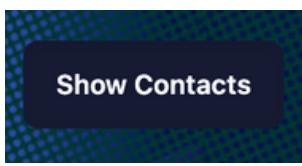
Once the 'send message' button is being clicked, it will notify you that your message has been sent.

The screenshot shows the same contact form as above, but the message field is empty. The URL in the address bar is 127.0.0.1:8000/contactus.

You can click the 'Home' on the navigation bar to direct you on the homepage.



If the 'Home' is clicked, it will direct you to the homepage. TAadaAa



Homepage also allow you to see my social media account as a way on how you can contact me.

RELATIONSHIP

~ Lainey's Family ~

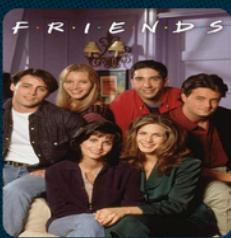


This photo shows my little family, including my boyfriend. These three people mean everything to me. We're really close, and they bring a lot of happiness to my life. In the see the strong bond and love we share. Each person in the photo is like a piece of a puzzle that completes our family picture. We have lots of fun times together, and these life feel special. Looking at this photo reminds me of the love and joy that come from being with the people I care about the most. It's a snapshot of the happy moments connections that make our family unique and special.



HOBBIES

~ Let's keep this a secret! ~



Watching Sitcom Series



Traveling



Shopping



Photography



Part 2: Using Route Parameters (BY GROUP - GROUP 3)

```
Route::get('/username_form', function () {
    return view('username_form');
});

Route::get('/user', function () {
    $username = request('username', 'Guest');
    return view('welcome', ['username' => $username]);
});
```

Added a new route for the username form.

This retrieves the username query parameter (defaulting to 'Guest' if not provided)

Source code inside the username_form

```
username_form.blade.php X
resources > views > username_form.blade.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Enter Your Username</title>
5      <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&display=swap" rel="stylesheet">
6      <style>
7          * {
8              margin: 0;
9              padding: 0;
10             box-sizing: border-box;
11         }
12
13         body {
14             font-family: 'Poppins', sans-serif;
15             background-color: #ADDFFF;
16             display: flex;
17             justify-content: center;
18             align-items: center;
19             height: 100vh;
20         }
21
22         .container {
23             background-color: #03E9FE;
24             padding: 70px;
25             border-radius: 12px;
26             box-shadow: 0 4px 12px rgba(0, 0, 0, 0.15);
27             text-align: center;
28             max-width: 400px;
29             width: 120%;
30         }
31
32         h1 {
33             color: #333;
34             font-size: 32px;
35             font-weight: 600;
36             margin-bottom: 20px;
37         }
38
39         h2 {
40             color: #555;
41             font-size: 18px;
42             margin-bottom: 30px;
43             font-weight: 300;
44         }
45
46         label {
47             color: #555;
48             margin-bottom: 20px;
49             font-weight: 300;
50         }
51
52         button {
53             background-color: #007BFF;
54             color: white;
55             padding: 12px 20px;
56             font-size: 16px;
57             border: none;
58             border-radius: 8px;
59             cursor: pointer;
60             transition: background-color 0.3s;
61             width: 100%;
62             margin-top: 20px;
63         }
64
65         input[type="text"] {
66             padding: 12px;
67             font-size: 16px;
68             width: 100%;
69             border: 2px solid #ccc;
70             border-radius: 8px;
71             margin-top: 10px;
72             margin-bottom: 5px;
73             outline: none;
74             transition: border-color 0.3s;
75         }
76
77         input[type="text"]:focus {
78             border-color: #007BFF;
79         }
80
81         .info {
82             font-size: 14px;
83             color: #555;
84             margin-bottom: 20px;
85             font-weight: 300;
86         }
87
88         button:hover {
89             background-color: #A6C1E0;
90         }
91     </style>
92 </head>
93 <body>
94     <div class="container">
95         <h1>Enter Your Username</h1>
96         <h2>Username only accepts alphabetic characters (a-z, A-Z)</h2>
97         <form action="{{ url('/user') }}" method="GET">
98             @csrf
99             <label for="username">Username:</label>
100            <input type="text" id="username" name="username" value="{{ request('username') }}" pattern="[a-zA-Z]+" title="Please enter only alphabetic characters.">
101            <button type="submit">Submit</button>
102        </form>
103    </div>
104 </body>
105 </html>
```

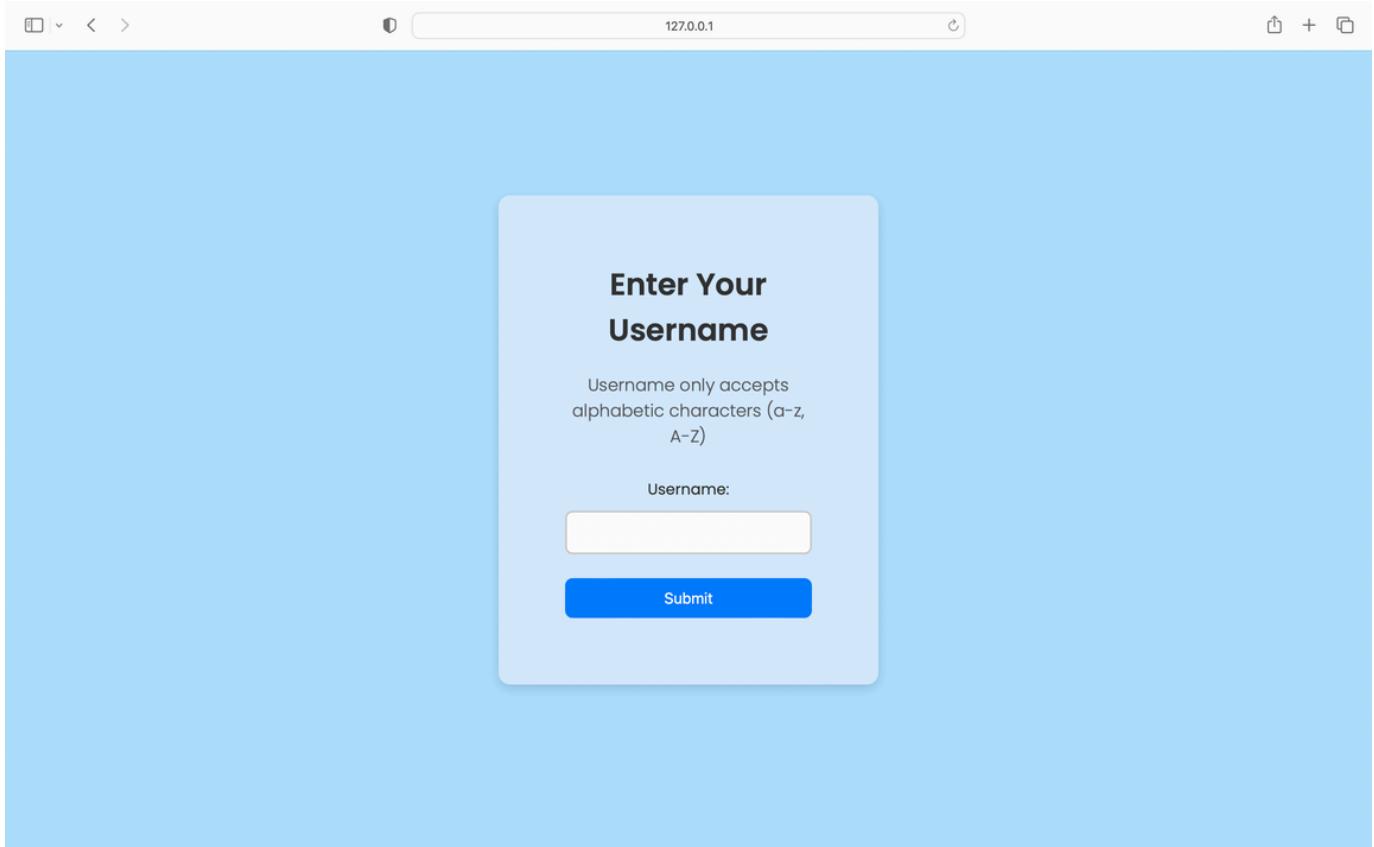
This provide a page where it will ask for the username and once click submit, it will be directed to welcome page.

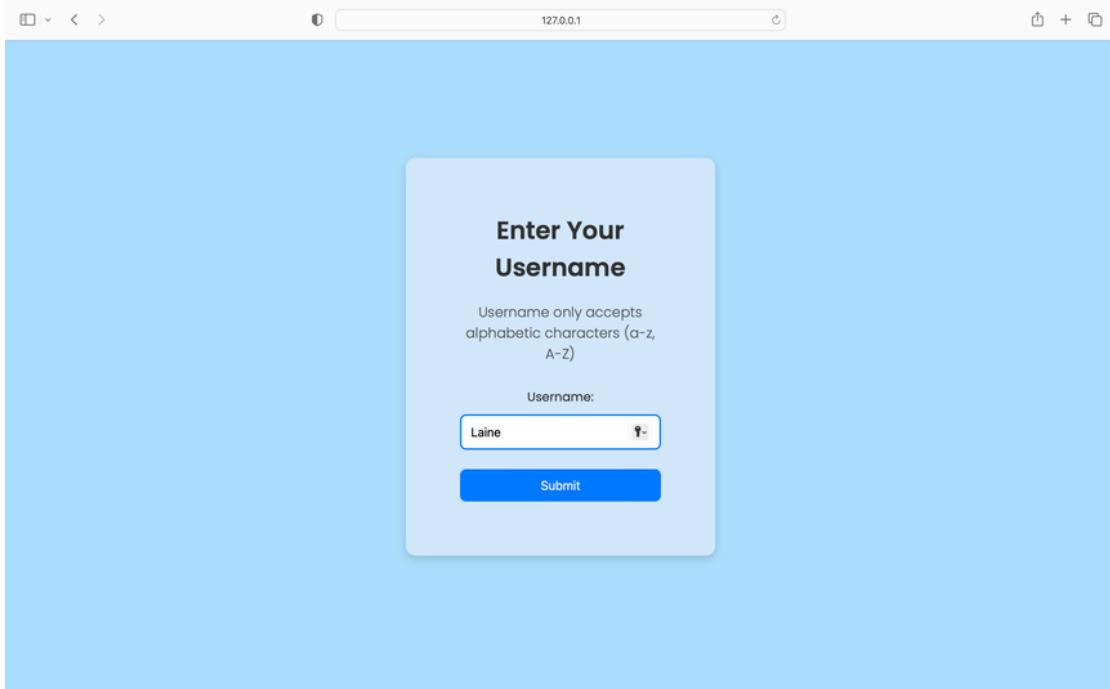
Source code inside the welcome page

```
resources > views > welcome.blade.php M ×
resources > views > welcome.blade.php M ×
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title>Welcome</title>
5    <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap" rel="stylesheet">
6    * {
7      margin: 0;
8      padding: 0;
9      box-sizing: border-box;
10 }
11 
12 body {
13   font-family: 'Roboto', sans-serif;
14   background-color: #E2EAFF;
15   display: flex;
16   justify-content: center;
17   align-items: center;
18   height: 100vh;
19   padding: 20px;
20 }
21 
22 .container {
23   background-color: #E2EAFF;
24   padding: 40px;
25   border-radius: 12px;
26   text-align: center;
27   max-width: 600px;
28   width: 100%;
29 }
30 
31 h1 {
32   color: #333;
33   font-size: 40px;
34   margin-bottom: 20px;
35   font-weight: 700;
36 }
37 
38 img {
39   max-width: 90%;
40   height: auto;
41   margin-top: 20px;
42   border-radius: 12px;
43 }
44 
45 a {
46   display: inline-block;
47   margin-top: 30px;
48   padding: 12px 24px;
49   text-decoration: none;
50   background-color: #007bff;
51   color: white;
52   border-radius: 8px;
53   font-size: 18px;
54   font-weight: 500;
55   transition: background-color 0.3s, transform 0.3s;
56 }
57 
58 a:hover {
59   background-color: #0056b3;
60   transform: scale(1.05);
61 }
62 
63 </style>
64 </head>
65 <body>
66   <div class="container">
67     <h1>Welcome, {{ $username }}!</h1>
68     
69     <p><a href="{{ url('/username_form') }}>LOG OUT</a></p>
70   </div>
71 </body>
72 </html>
73
```

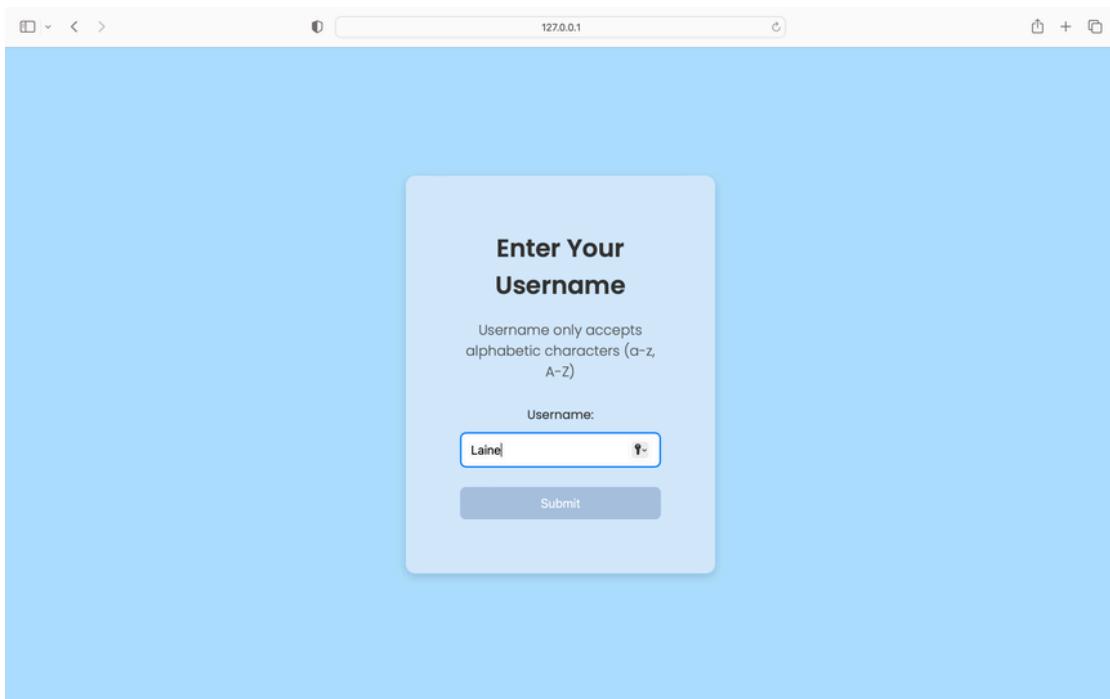
This page will output the "Welcome, Guest / [Username], I also added some image for cute engagement.

RESULT

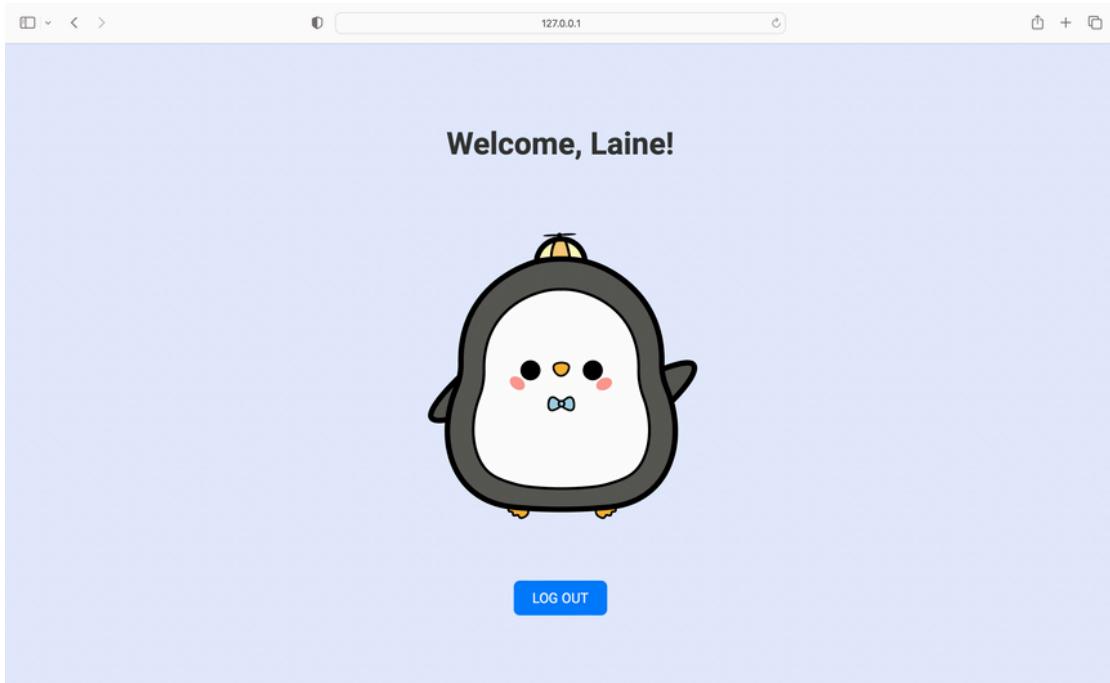




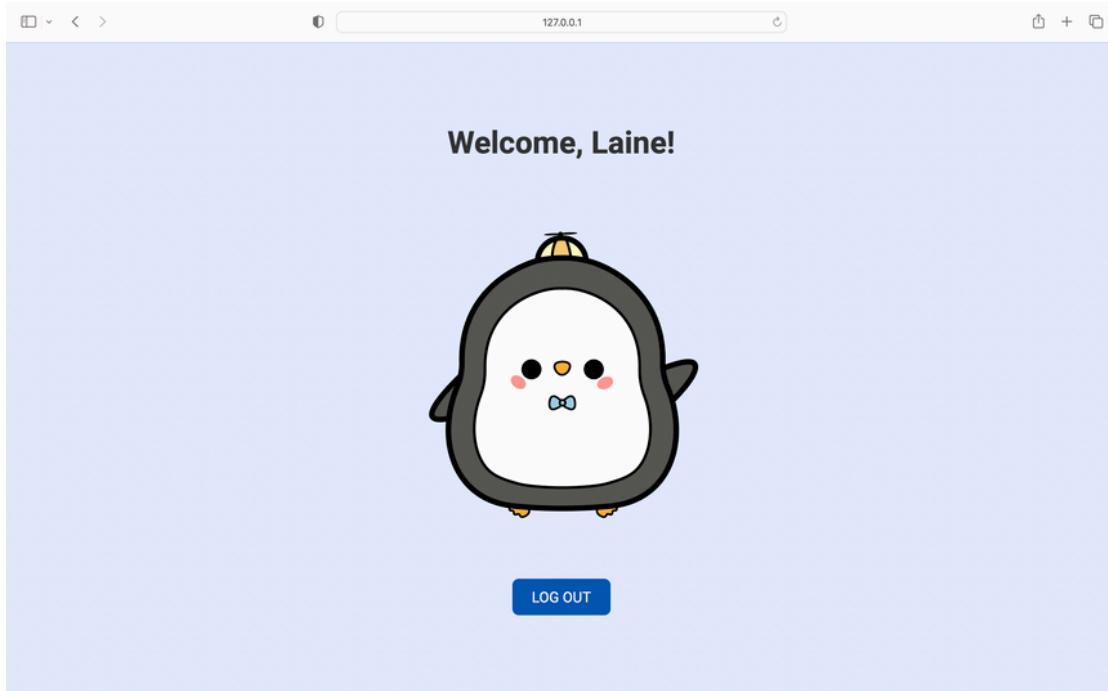
The page will now ask for the username. Added a sign to let the user know to enter (a-z,A-Z) only as a username



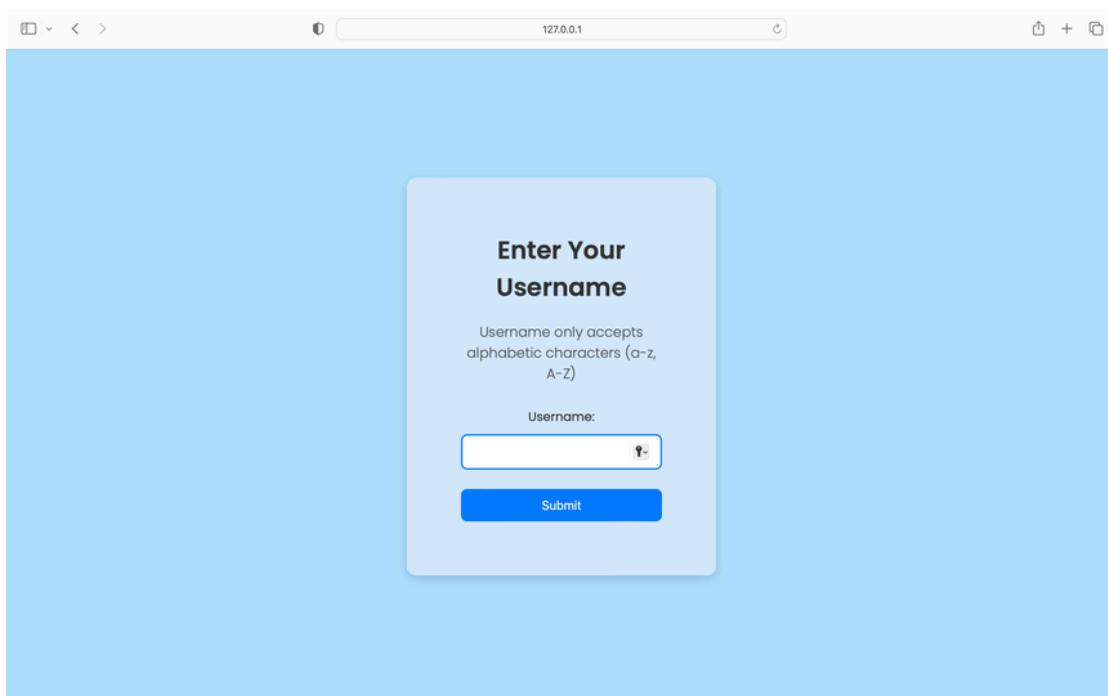
Once the user already entered the right username, she can now click the submit



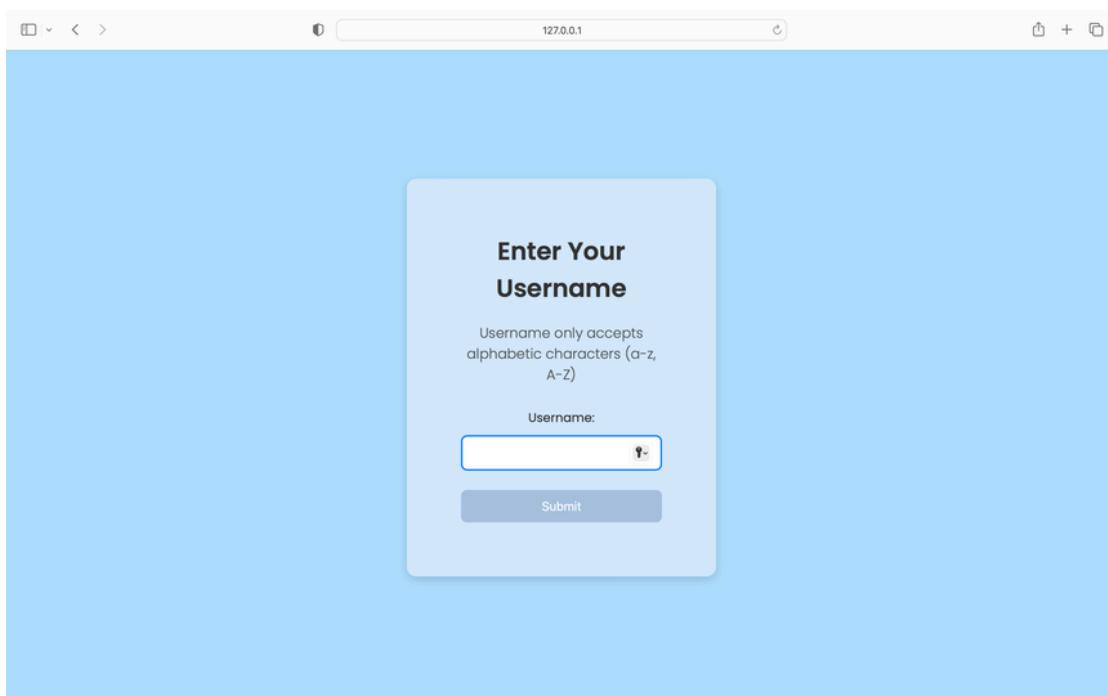
The user will now be directed to the welcome page where it will display welcome and its username.



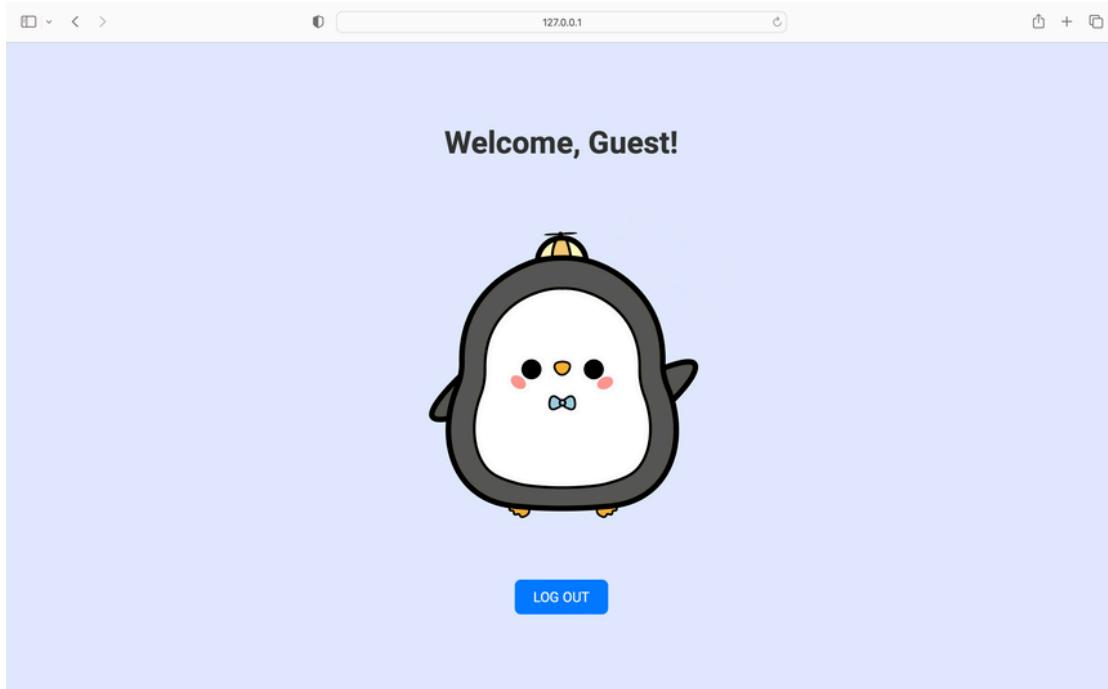
Once Log out button is clicked, you will again be directed to username form.



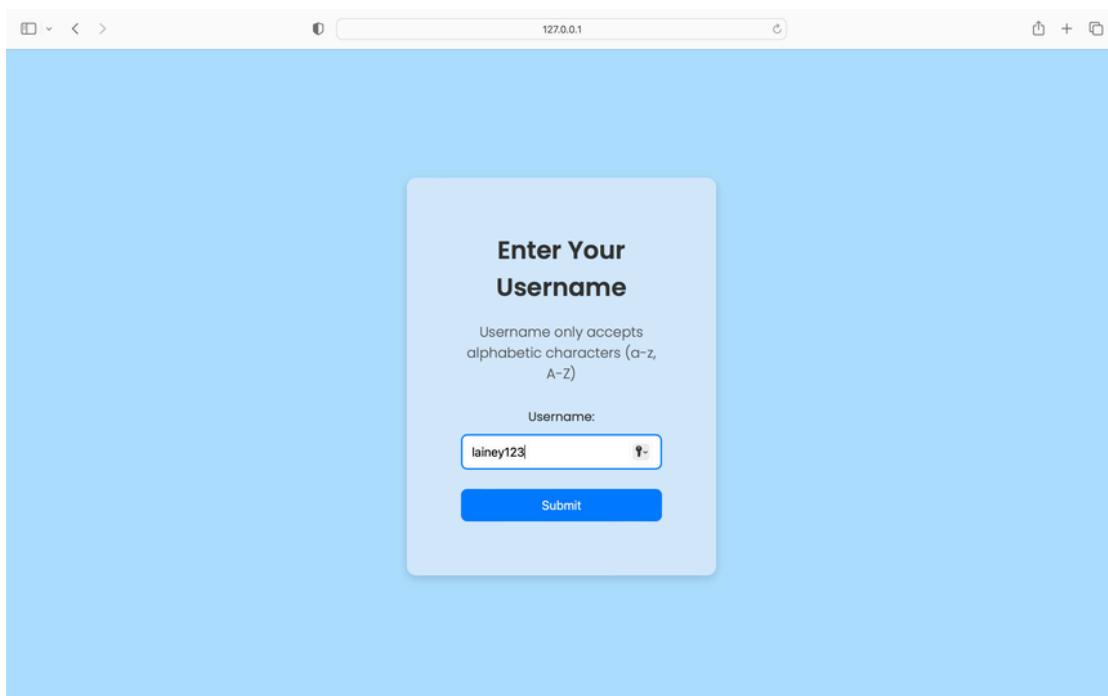
If the user dont want to put a username, the user can just click submit.



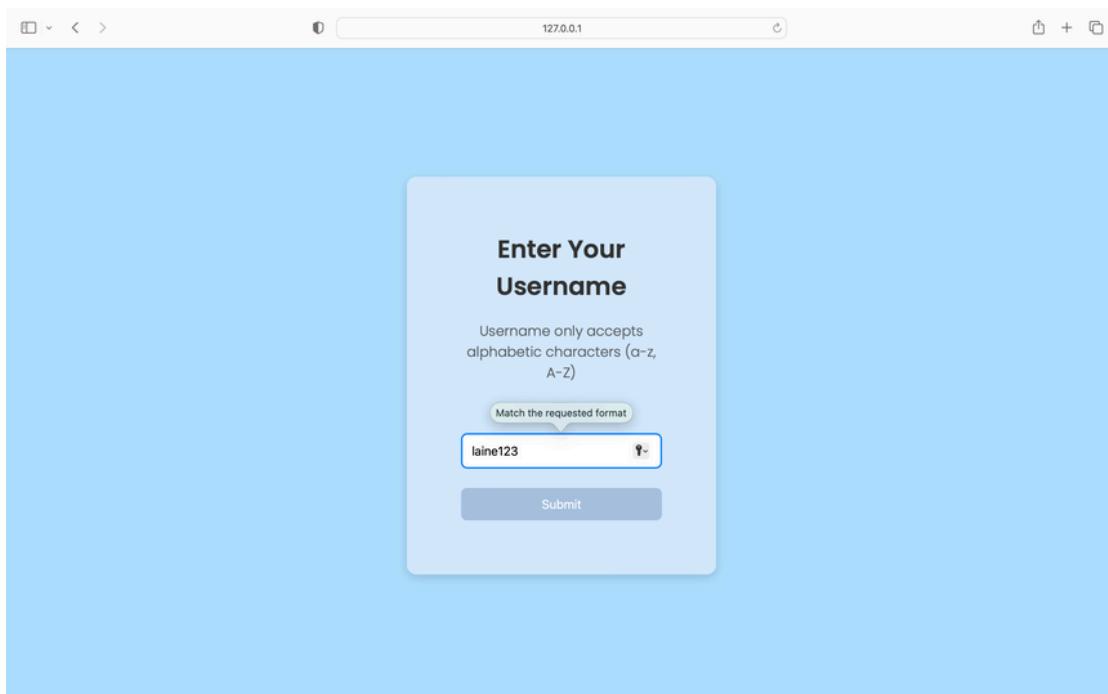
After clicking the submit, user will be directed to the welcome page.



User will also be greeted but will be known as 'Guest' since the user didn't put any username



If the user also put any numeric input as their user name and clicked the submit button



The system will not be directed to the welcome page but will notify the user to 'Match the requested format'.