```php
Route::get('/user/{username?}', function ($username = null) {
    $defaultName = 'Guest';

    if ($username && preg_match('/^[a-zA-Z]+$/', $username)) {
        $message = "Welcome, $username!";
    } elseif ($username) {
        $message = "Invalid username. Only alphabetic characters are allowed.";
    } else {
        $message = "Welcome, $defaultName!";
    }

    session(['username' => $username ?: $defaultName]);
    return view('blog', ['message' => $message]);
})->where('username', '[a-zA-Z]*');
```

- The code defines a route /user with a parameter {username} that can be optional, It also has a validation checker that should only use alphabetic characters. If it checks out a welcome message with the username will be shown, otherwise it will be a default name (Guest). And lastly it will return a view named blog that has the message of the user or guest name.

```php
Route::get('/', function () {
    return view('welcome');
})->name('welcome');
```

- It handles a request to the path /. It also returns the welcome view.

```php
Route::post('/set-username', function () {
    $username = request('username');

    $rules = ['username' => 'nullable|regex:/^[a-zA-Z]+$/'];
    $messages = ['username.regex' => 'The username should contain only alphabetic characters.'];

    $validator = Validator::make(request()->all(), $rules, $messages);

    if ($validator->fails()) {
        return redirect()->route('welcome')->withErrors($validator)->withInput();
    }

    session(['username' => $username ?: 'Guest']);

    return redirect()->route('home');
})->name('set-username');
```

- Defines a route /set-username for the submission of form.
- It has a validation that either tells the user what is the problem or stores the username if validated correctly. It also redirects to home after successfully executed.

```php
Route::get('/home', function () {
    $username = session('username');
    $message = "Welcome, " . ($username ?: 'Guest') . "!";

    return view('blog', ['message' => $message]);
})->name('home');
```

- Defines a route to /home.
- It gets the username and if there is no username it will be set to default (guest)
- It also displays the welcome message present in the blog view.

```php
Route::get('/about', function () {
    return view('about');
})->name('about');

Route::get('/contact', function () {
    return view('contact');
})->name('contact');
```

- This hands the /about and /contact route.
- They also return the views for both of them (about, contact)

```
tes > views > 🐘 blog.blade.php
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Scrolling Blog - Modern Design</title>
    <link rel="stylesheet" href="{{ asset('css/styles.css') }}">
</head>
<body>

    <video autoplay muted loop class="video-background" preload="auto">
        <source src="/images/carvid4.mp4" type="video/mp4">
        Your browser does not support the video tag.
    </video>

    <nav class="navbar">
        <ul>
            <li><a href="{{ route('home') }}">Home</a></li>
            <li><a href="{{ route('about') }}">About Us</a></li>
            <li><a href="{{ route('contact') }}">Contact Us</a></li>
            @if (session('username'))
                <li><a href="{{ route('welcome') }}">Logout</a></li>
            @endif
        </ul>
    </nav>

    <section id="home" class="section">
        <div class="container">
            <header>
            <h1>{{ $message }}</h1>
            </header>
        </div>
    </section>
    <footer class="footer">
            <p>&copy; 2024 JDM. All rights reserved.</p>
        </footer>
</body>
</html>
```

- blog.blade.php creates a webage that has a video background, a nav bar, and dynamic content. The nav bar has the home,about,contact us and also "logout" if you want to exit the session. It also displays a welcome message in the section tag if conditions are met and lastly a footer that has a copyright information.

```blade
@extends('navbar')
@section('content')
<div class="container mt-4">
    @if(isset($username))
        <h1>Welcome, {{ $username }}!</h1>
    @else
    <form action="{{ route('set-username') }}" method="POST">
    @csrf
    <label for="username">Enter your name:</label>
    <input type="text" id="username" name="username" value="{{ old('username') }}"
           class="{{ $errors->has('username') ? 'input-error' : 'input-normal' }}" required>
    <button type="submit">Submit</button>
    <button type="button" onclick="submitAsGuest()">Guest</button>
    @if ($errors->has('username'))
            <div class="error-message">
                {{ $errors->first('username') }}
            </div>
        @endif
</form>
    @endif
</div>
<script>
    function submitAsGuest() {
        document.getElementById('username').value = 'Guest';
        document.querySelector('form').submit();
    }
}
</script>

<style> …
</style>
@endsection
```

- welcome.blade.php is a template that will extend the navbar and content. It also has validations for the welcome message if the right input of username is given. A guest button is also put as an alternative. If an error occurs it also displays an error message for debugging.

```blade
152     <nav class="navbar">
153         <ul>
154             <li><a href="{{ route('home') }}">Home</a></li>
155             <li><a href="{{ route('about') }}">About Us</a></li>
156             <li><a href="{{ route('contact') }}">Contact Us</a></li>
157             @if (session('username'))
158                 <li><a href="{{ route('welcome') }}">Logout</a></li>
159             @endif
160         </ul>
161     </nav>
162
163     <section id="about" class="section">
164     <div class="container">
165         <h1>About Us</h1>
166         <div class="card-container">
167             <div class="card">
168                 <img src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAOYAAADbCAMAAABOUB36AAAA2FBMVEX///8dHRsdHBgdLDkAAAAdGxcJAAD5/v8YFFFQ4bGF
169                 <h3>Karl De Vera</h3>
170                 <h4>Leader</h4>
171                 <p>I'm a 3rd year student at Bicol University, majoring in BS Information Technology. I'm really into coding and creating webp
172             </div>
173             <div class="card">
174                 <img src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAOEAAADhCAMAAAAJbSJIAAAAilBMVEX///8dHRsAAAATExBiYmH8/PwbGxkfHx0cHBsZGF
175                 <h3>Juliane Dayandante</h3>
176                 <h4>Member</h4>
177                 <p>I'm a 3rd year student at Bicol University, majoring in BS Information Technology. I'm into coding, designing and creating
178             </div>
179             <div class="card">
180                 <img src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAOYAAADbCAMAAABOUB36AAAA2FBMVEX///8dHRsdHBgdLDkAAAAdGxcJAAD5/v8YFFF
181                 <h3>Malbert Colarina</h3>
182                 <h4>Member</h4>
183                 <p>I'm a 3rd year student at Bicol University, majoring in BS Information Technology. I'm into analyzing data in schemas and i
184             </div>
185             <div class="description-container">
186                 <h2>About This Page</h2>
187                 <p>
188                     Welcome to our automotive hub! This page is dedicated to car enthusiasts and those looking to explore the fascinating worl
```

- about.blade.php is a webpage that displays what is it about. It has a nav bar containing links to home,about,contacts and with a logout link to exit the session. The main content is located in the section that contains multiple card elements that describes each member within the group.
- Images are also directly embedded to it.

```
resources > views > 🐘 contact.blade.php
11        <nav class="navbar">
12            <ul>
13                <li><a href="{{ route('home') }}">Home</a></li>
14                <li><a href="{{ route('about') }}">About Us</a></li>
15                <li><a href="{{ route('contact') }}">Contact Us</a></li>
16                @if (session('username'))
17                    <li><a href="{{ route('welcome') }}">Logout</a></li>
18                @endif
19            </ul>
20        </nav>
21
22        <section id="contact" class="section">
23          <div class="background">
24      <div class="container">
25        <div class="screen">
26          <div class="screen-header">
27            <div class="screen-header-left">
28              <div class="screen-header-button close"></div>
29              <div class="screen-header-button maximize"></div>
30              <div class="screen-header-button minimize"></div>
31            </div>
32            <div class="screen-header-right">
33              <div class="screen-header-ellipsis"></div>
34              <div class="screen-header-ellipsis"></div>
35              <div class="screen-header-ellipsis"></div>
36            </div>
37          </div>
38          <div class="screen-body">
39            <div class="screen-body-item left">
40              <div class="app-title">
41                <span>CONTACT</span>
42                <span>US</span>
43              </div>
44              <div class="app-contact">CONTACT INFO : 09 81 314 928 595</div>
45            </div>
46            <div class="screen-body-item">
47              <div class="app-form">
48                <div class="app-form-group">
49                  <input class="app-form-control" placeholder="NAME" value="">
```
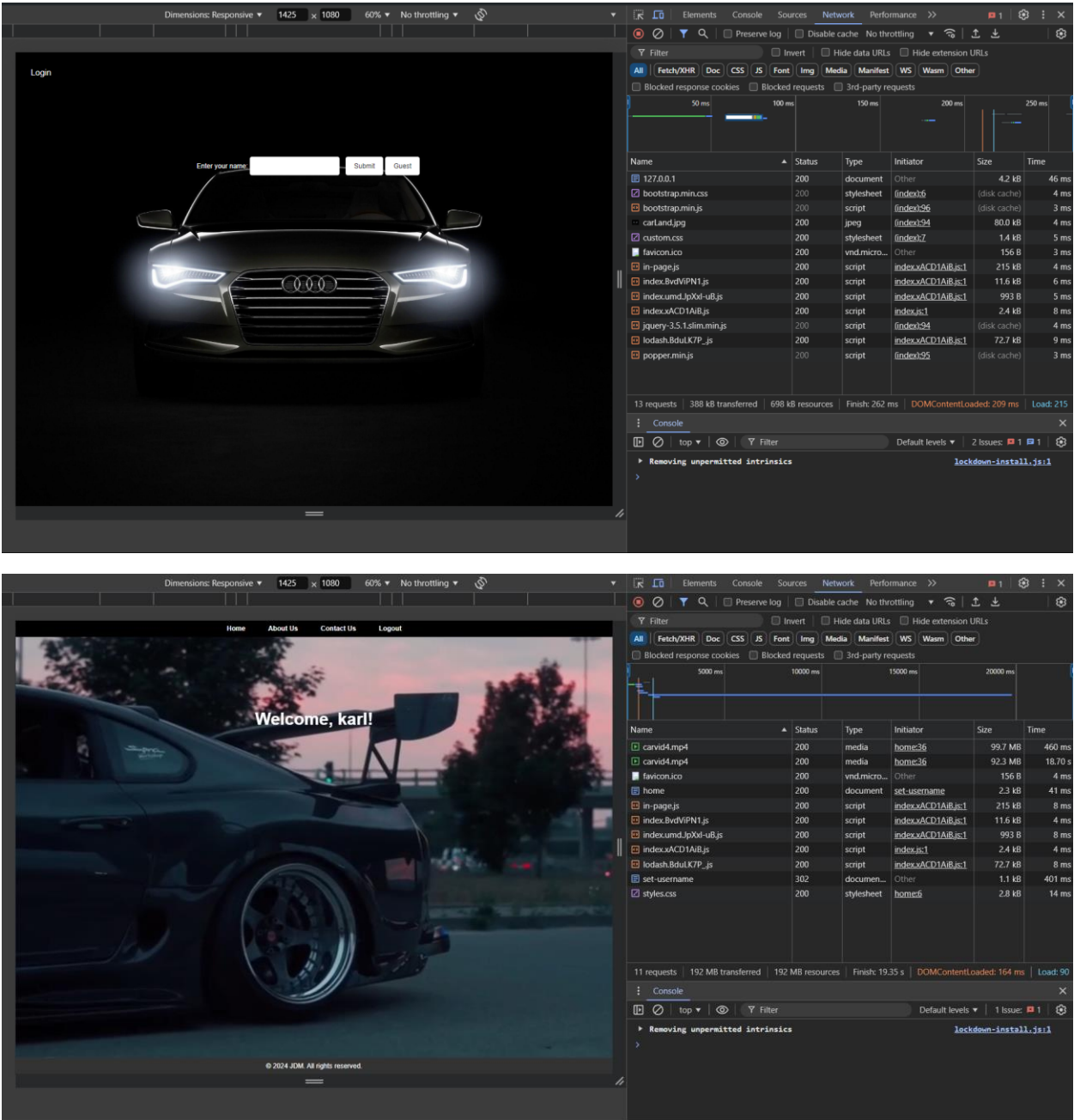
- contact.blade.php is a contact us web page that also include the nav bar and its elements. The main content is placed in the section and inside a container that is designed as a contact form that has a contact info display and input selections.


```
ces > views > 🐘 navbar.blade.php
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My Website</title>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
    <link rel="stylesheet" href="{{ asset('css/custom.css') }}">
</head>
<body>

    <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <a class="navbar-brand mx-auto" href="/">Login</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls=
        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav">
        </ul>
    </div>
    </nav>

    <div class="container mt-4">
        @yield('content')
    </div>

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.min.js"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>
```

- the navbar.blade.php includes a nav bar with its elements. And the main content is placed within the container mt-4. It also includes various other dependencies to help the template work properly and provide a structure to diff pages.

SCREENSHOTS:

Top screenshot — About Us page:

Home   About Us   Contact Us   Logout

About Us

Karl De Vera
Leader

I'm a 3rd year student at Bicol University, majoring in BS Information Technology. I'm really into coding and creating webpages, and I love playing online games.

Juliane Dayandante
Member

I'm a 3rd year student at Bicol University, majoring in BS Information Technology. I'm into coding, designing and creating webpages and I learning new things. I like watching random movies.

Malbert Colarina
Member

I'm a 3rd year student at Bicol University, majoring in BS Information Technology. I'm into analyzing data in schemas and I also like to create webpages. I like designing. If I am not at the front of my laptop I'm playing online games or out for a stroll in the city.

About This Page

Welcome to our automotive hub! This page is dedicated to car enthusiasts and those looking to explore the fascinating world of automobiles. Here, you'll find detailed information about various car models, industry news, maintenance tips, and reviews. Whether you're in the market for a new car, a classic car enthusiast, or just passionate about the latest automotive technology, our goal is to provide you with insightful and up-to-date content to fuel your passion for cars. Enjoy exploring our diverse range of articles, reviews, and guides designed to enhance your car knowledge and driving experience.

DevTools (top):

Dimensions: Responsive ▾   1425 × 1080   60% ▾   No throttling ▾

Elements Console Sources Network Performance »

Filter   Invert   Hide data URLs   Hide extension URLs
All Fetch/XHR Doc CSS JS Font Img Media Manifest WS Wasm Other
Blocked response cookies   Blocked requests   3rd-party requests

Name	Status	Type	Initiator	Size	Time
about	200	document	Other	16.8 kB	61 ms
data:image/png;base...	200	png	about:195	(memory ...	0 ms
data:image/png;base...	200	png	about:195	(memory ...	0 ms
favicon.ico	200	vnd.micro...	Other	156 B	3 ms
in-page.js	200	script	index.xACD1AiB.js:1	215 kB	3 ms
index.BvdVIPN1.js	200	script	index.xACD1AiB.js:1	11.6 kB	6 ms
index.umd.JpXxl-uB.js	200	script	index.xACD1AiB.js:1	993 B	9 ms
index.xACD1AiB.js	200	script	index.js:1	2.4 kB	6 ms
lodash.BduLK7P_.js	200	script	index.xACD1AiB.js:1	72.7 kB	9 ms
meter.jpg	200	jpeg	about:151	287 kB	17 ms

10 requests   607 kB transferred   610 kB resources   Finish: 243 ms   DOMContentLoaded: 180 ms   Load: 207

Console   top ▾   Filter   Default levels ▾   1 Issue: 1
▸ Removing unpermitted intrinsics   lockdown-install.js:1

Bottom screenshot — Contact Us page:

Home   About Us   Contact Us   Logout

CONTACT US

NAME
EMAIL
CONTACT NO
MESSAGE

CANCEL SEND

DevTools (bottom):

Dimensions: Responsive ▾   1425 × 1080   60% ▾   No throttling ▾

Elements Console Sources Network Performance »

Filter   Invert   Hide data URLs   Hide extension URLs
All Fetch/XHR Doc CSS JS Font Img Media Manifest WS Wasm Other
Blocked response cookies   Blocked requests   3rd-party requests

Name	Status	Type	Initiator	Size	Time
contact	200	document	Other	4.1 kB	64 ms
contact.css	200	stylesheet	contact:6	5.3 kB	13 ms
contact.jpg	200	jpeg	contact.css	1.4 MB	20 ms
favicon.ico	200	vnd.micro...	Other	156 B	3 ms
in-page.js	200	script	index.xACD1AiB.js:1	215 kB	3 ms
index.BvdVIPN1.js	200	script	index.xACD1AiB.js:1	11.6 kB	5 ms
index.umd.JpXxl-uB.js	200	script	index.xACD1AiB.js:1	993 B	5 ms
index.xACD1AiB.js	200	script	index.js:1	2.4 kB	5 ms
lodash.BduLK7P_.js	200	script	index.xACD1AiB.js:1	72.7 kB	8 ms

9 requests   1.7 MB transferred   1.7 MB resources   Finish: 270 ms   DOMContentLoaded: 178 ms   Load: 209

Console   top ▾   Filter   Default levels ▾   5 Issues: 1 4
▸ Removing unpermitted intrinsics   lockdown-install.js:1