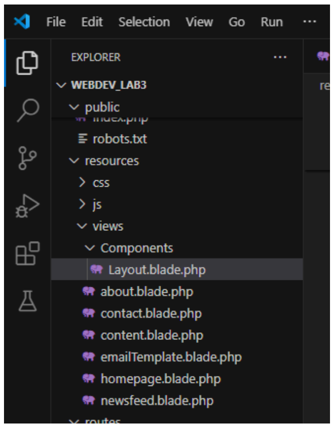
Sarah C. Abane BSIT 3C Web Development Lab 3

# DOCUMENTATION

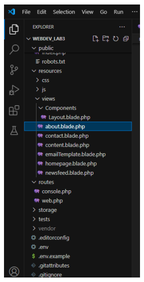
## Blade Template Files

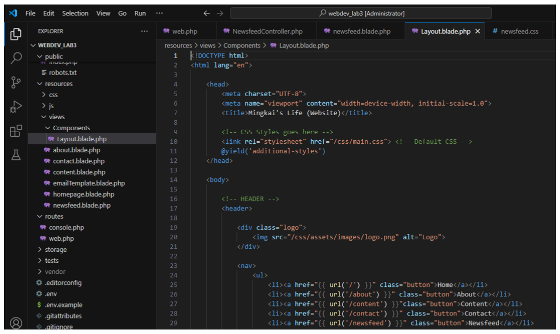
Views/Components/Layout.blade.php



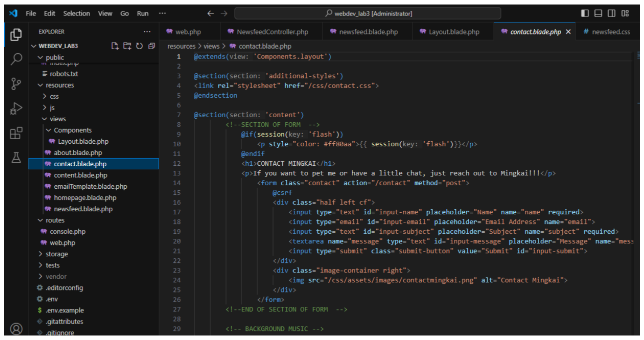
- The `Views/Components/Layout.blade.php` file is located in the view directory because it defines the overall structure of our web pages, enabling separation of layout and content for better organization. It includes common elements like headers, footers, and navigation, along with `@yield` sections for dynamic content from individual views. It promotes code reusability and simplifies maintenance by centralizing the layout components like headers and footers.

## About, Contact, Content, newsfeed



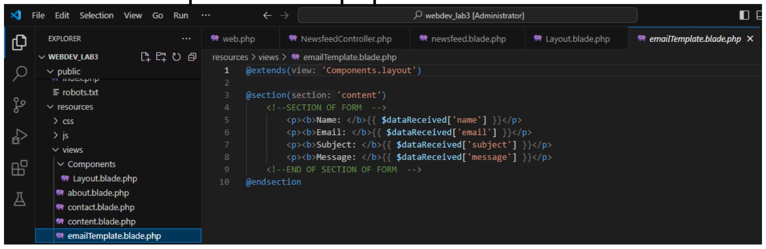


```
<!DOCTYPE html>
<html lang="en">

    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Mingkai's Life (Website)</title>

        <!-- CSS Styles goes here -->
        <link rel="stylesheet" href="/css/main.css"> <!-- Default CSS -->
        @yield('additional-styles')
    </head>

    <body>

        <!-- HEADER -->
        <header>

            <div class="logo">
                <img src="/css/assets/images/logo.png" alt="Logo">
            </div>

            <nav>
                <ul>
                    <li><a href="{{ url('/') }}" class="button">Home</a></li>
                    <li><a href="{{ url('/about') }}" class="button">About</a></li>
                    <li><a href="{{ url('/content') }}"class="button">Content</a></li>
                    <li><a href="{{ url('/contact') }}" class="button">Contact</a></li>
                    <li><a href="{{ url('/newsfeed') }}" class="button">Newsfeed</a></li>
```



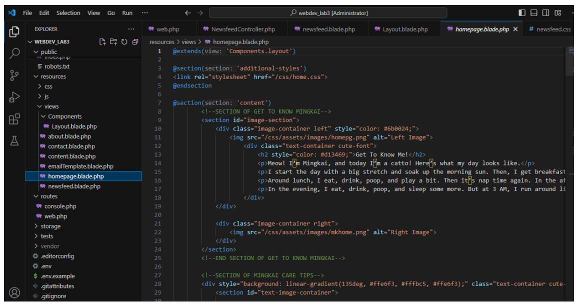
```
@extends(view: 'Components.layout')

@section(section: 'additional-styles')
<link rel="stylesheet" href="/css/contact.css">
@endsection

@section(section: 'content')
        <!--SECTION OF FORM  -->
            @if(session(key: 'flash'))
                <p style="color: #ff80aa">{{ session(key: 'flash')}}</p>
            @endif
            <h1>CONTACT MINGKAI</h1>
            <p>If you want to pet me or have a little chat, just reach out to Mingkai!!!</p>
                <form class="contact" action="/contact" method="post">
                    @csrf
                    <div class="half left cf">
                        <input type="text" id="input-name" placeholder="Name" name="name" required>
                        <input type="email" id="input-email" placeholder="Email Address" name="email">
                        <input type="text" id="input-subject" placeholder="Subject" name="subject" required>
                        <textarea name="message" type="text" id="input-message" placeholder="Message" name="mess
                        <input type="submit" class="submit-button" value="Submit" id="input-submit">
                    </div>
                    <div class="image-container right">
                        <img src="/css/assets/images/contactmingkai.png" alt="Contact Mingkai">
                    </div>
                </form>
        <!--END OF SECTION OF FORM  -->

        <!-- BACKGROUND MUSIC -->
```

Views/emailTemplate.blade.php



```
@extends(view: 'Components.layout')

@section(section: 'content')
    <!--SECTION OF FORM  -->
        <p><b>Name: </b>{{ $dataReceived['name'] }}</p>
        <p><b>Email: </b>{{ $dataReceived['email'] }}</p>
        <p><b>Subject: </b>{{ $dataReceived['subject'] }}</p>
        <p><b>Message: </b>{{ $dataReceived['message'] }}</p>
    <!--END OF SECTION OF FORM  -->
@endsection
```

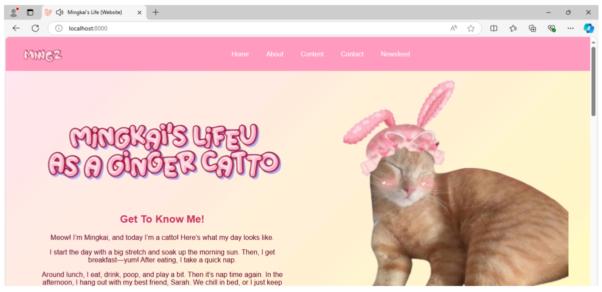
Views/homepage.blade.php



```
@extends(view: 'Components.layout')

@section(section: 'additional-styles')
<link rel="stylesheet" href="/css/home.css">
@endsection

@section(section: 'content')
        <!--SECTION OF GET TO KNOW MINGKAI-->
        <section id="image-section">
            <div class="image-container left" style="color: #6b0024;">
                <img src="/css/assets/images/homepg.png" alt="Left Image">
                    <div class="text-container cute-font">
                        <h2 style="color: #d13469;">Get To Know Me!</h2>
                        <p>Meow! I’m Mingkai, and today I’m a catto! Here’s what my day looks like.</p>
                        <p>I start the day with a big stretch and soak up the morning sun. Then, I get breakfast
                        <p>Around lunch, I eat, drink, poop, and play a bit. Then it’s nap time again. In the af
                        <p>In the evening, I eat, drink, poop, and sleep some more. But at 3 AM, I run around li
                    </div>
            </div>

            <div class="image-container right">
                <img src="/css/assets/images/mkhome.png" alt="Right Image">
            </div>
        </section>
        <!--END SECTION OF GET TO KNOW MINGKAI-->

        <!--SECTION OF MINGKAI CARE TIPS-->
        <div style="background: linear-gradient(135deg, #ffe6f3, #fffbc5, #ffe6f3);" class="text-container cute-
            <section id="text-image-container">
```

**Explanation**: Inside the views directory, files like *homepage.blade.php, about.blade.php, contact.php, content.php, newsfeed.php and emailtemplate.blade.php* represent individual views that contain specific content for different parts of our application. Each of these files extends the main layout (layout.blade.php) and uses @section directives to define their unique content, allowing for a modular approach where the layout remains consistent while the content varies across different pages.

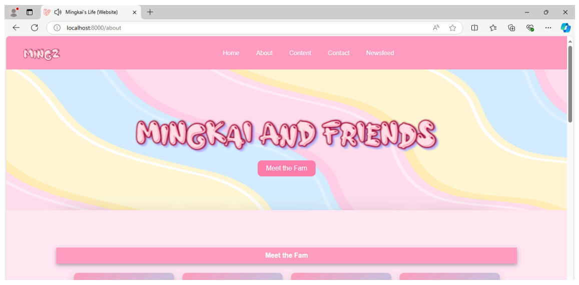
**Output:**

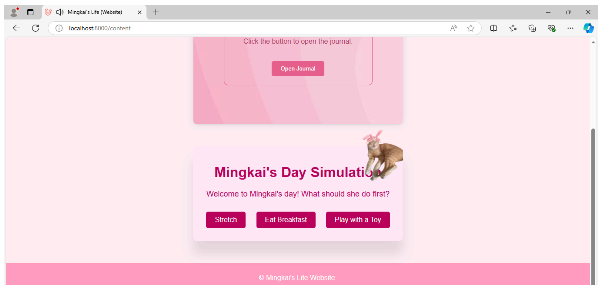


Meow! I'm Mingkai, and today I'm a catto! Here's what my day looks like.

I start the day with a big stretch and soak up the morning sun. Then, I get breakfast—yum! After eating, I take a quick nap.

Around lunch, I eat, drink, poop, and play a bit. Then it's nap time again. In the afternoon, I hang out with my best friend, Sarah. We chill in bed, or I just keep

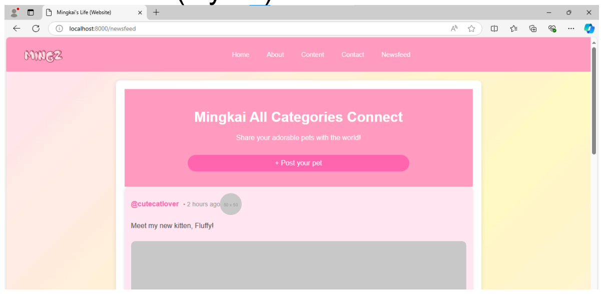




Click the button to open the journal.

Welcome to Mingkai's day! What should she do first?

For database (layout)



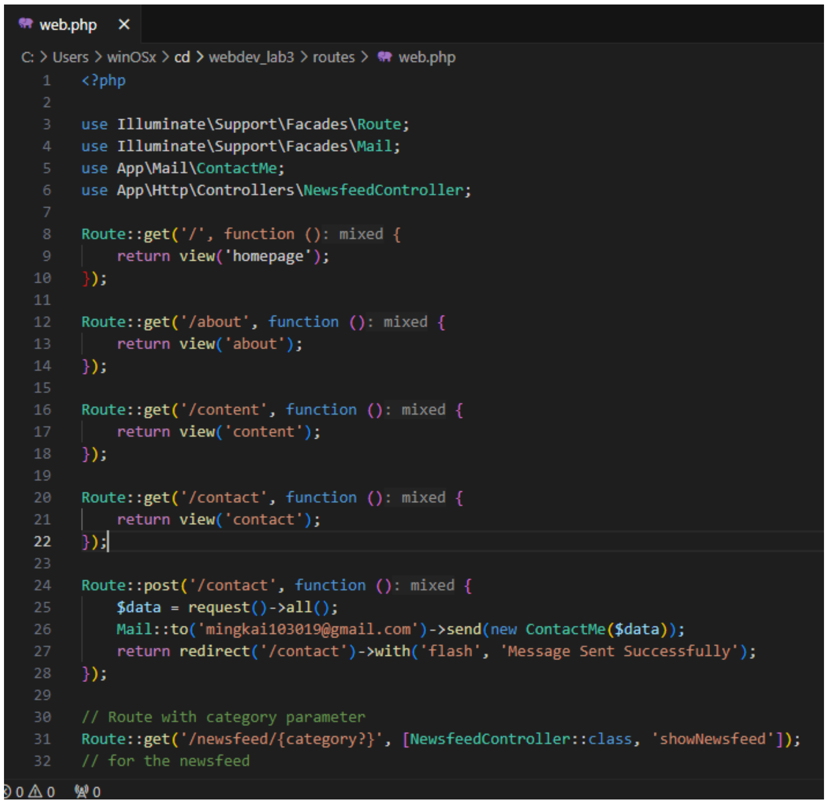
Meet my new kitten, Fluffy!

**ANSWERS:**

1. **Extending the Layout and Inserting Content:** Each view file extends the layout by using the @extends('components.layout') directive at the top. Specific content is inserted using @section('section_name') to define the content for a particular section and @endsection to close it, allowing each view to contribute its unique content while maintaining the overall layout.
2. **Routing Setup:** In Laravel, routing is defined in the routes/web.php file, where we map URLs to specific controllers or view files
   a. Breakdown of the Routes:
      i. Homepage: Serves the main homepage view.
      ii. About Page: Displays information about the website or company.
      iii. Content Page: Can be used for displaying specific content (e.g., articles, resources).

iv. Contact Page: Displays a contact form.
v. Contact Form Submission: Handles POST requests from the contact form, sends an email using the ContactMe Mailable, and redirects back to the contact page with a success message.
vi. Newsfeed: Displays a newsfeed based on an optional category parameter, using the NewsfeedController.

This setup organizes the routes clearly and enables smooth navigation and functionality within our Laravel application. In `routes/web.php`, we define routes that map URLs to specific views in our Laravel application. Each route uses the `Route::get()` method to specify the URL path and return the corresponding view using the `view()` function. For example, `Route::get('/', function () { return view('homepage'); });` serves the homepage view when the root URL is accessed. We also define routes for handling form submissions, like sending emails, using `Route::post()`, and include optional parameters for dynamic routes, such as categories in a newsfeed.



```php
<?php

use Illuminate\Support\Facades\Route;
use Illuminate\Support\Facades\Mail;
use App\Mail\ContactMe;
use App\Http\Controllers\NewsfeedController;

Route::get('/', function (): mixed {
    return view('homepage');
});

Route::get('/about', function (): mixed {
    return view('about');
});

Route::get('/content', function (): mixed {
    return view('content');
});

Route::get('/contact', function (): mixed {
    return view('contact');
});

Route::post('/contact', function (): mixed {
    $data = request()->all();
    Mail::to('mingkai103019@gmail.com')->send(new ContactMe($data));
    return redirect('/contact')->with('flash', 'Message Sent Successfully');
});

// Route with category parameter
Route::get('/newsfeed/{category?}', [NewsfeedController::class, 'showNewsfeed']);
// for the newsfeed
```

3. **Challenges Faced:** We frequently had to modify the `.env` and database configuration files to accommodate different environments, which often made the setup process cumbersome. Each time we cloned the project into a new environment, we had to sync the configuration files and ensure everything was aligned properly, adding extra complexity and sometimes leading to configuration mismatches. Managing these environment-specific settings became one of the more time-consuming aspects of development, especially when working across multiple machines or deployment stages.
4. **Difference Between {{$slot}} and @yield:** As we worked more with Blade templates, understanding the difference between {{$slot}} and @yield was crucial. We used {{$slot}}

within components to create reusable UI elements that could accept dynamic content, making our components more flexible and efficient. Meanwhile, @yield was invaluable in our layouts, allowing us to define sections that could be filled by the content of extending views. This approach helped maintain consistency across our layouts while still providing flexibility for each page's unique content.

In summary, {{$slot}} is for components, while @yield is for views extending layouts.