- **Layout blade.** It is designed to provide a consistent structure for all the views that extend it. Its purpose is to define the general HTML structure that is shared across multiple pages, ensuring that common elements such as headers, navigation bars, styles, and scripts are applied uniformly.

```
resources > views > ⚛ welcome.blade.php
  1   @extends('components.layout')
  2
  3   @section('title', 'Web Development')
  4
  5   @section('styles')
  6       <!-- External Google Font -->
  7       <link rel='stylesheet' href='https://fonts.googleapis.com/css2?family=Bebas+Neue&amp;family=Figtree:wght@300;600&amp;display=swap'>
  8
  9       <!-- Specific styles for welcome page -->
 10       <link rel="stylesheet" href="{{ asset('styles/styles_h.css') }}">
 11   @endsection
 12
 13   @section('content')
 14       <div class="container">
 15           <img src="{{ asset('assets/img/home/logo.svg') }}" alt="Laravel Logo" class="logo">
 16           <h1>Web Development</h1>
 17           <h2>Group Laravel Project</h2>
 18           <a href="{{ url('/login') }}">
 19               <button>Explore More</button>
 20           </a>
 21       </div>
 22   @endsection
```
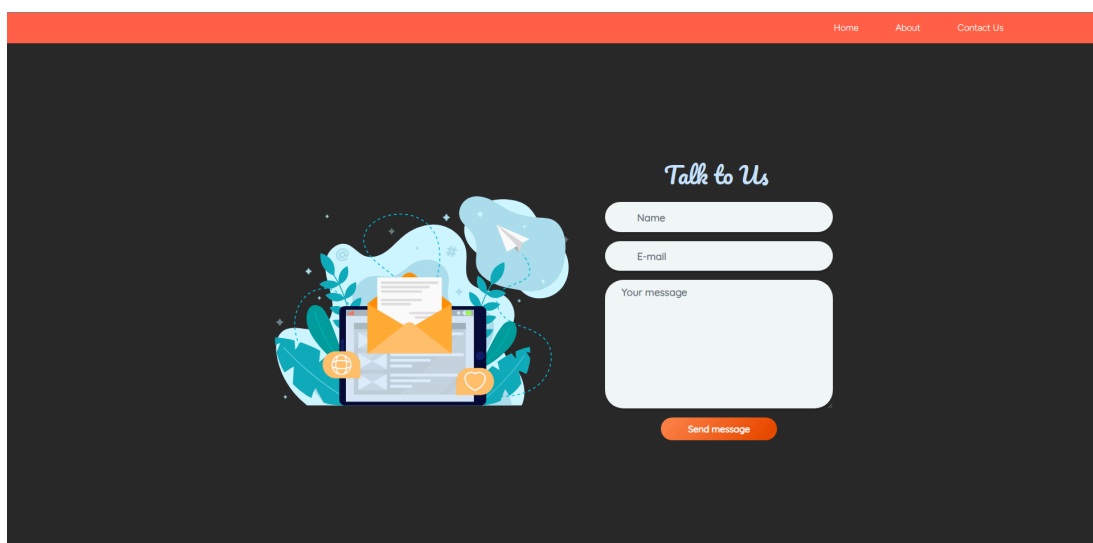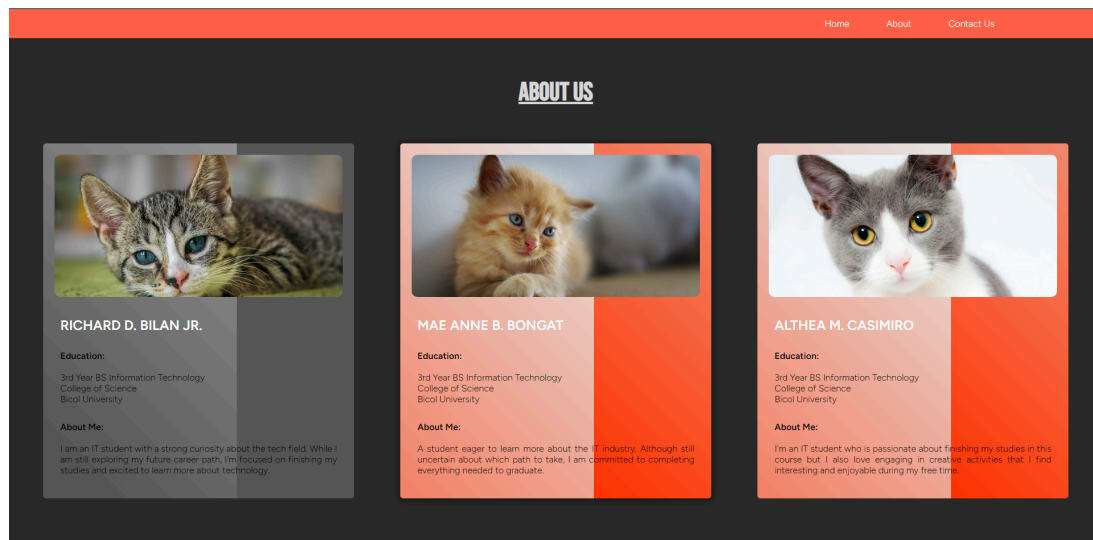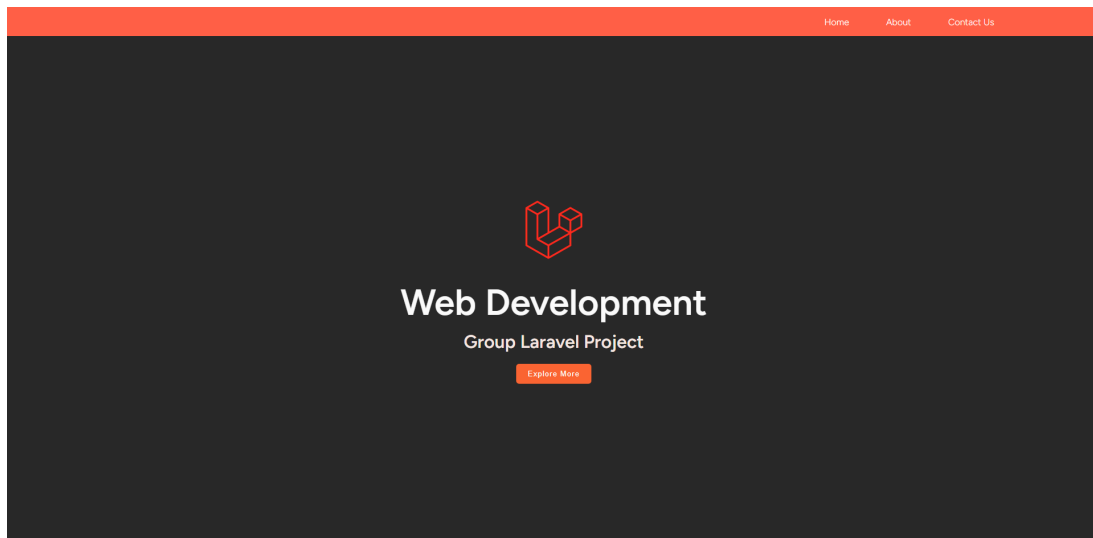
- The lade views about, contactus, and welcome extend a base layout file using the @extends directive, which allows them to inherit the layout's structure. The specific content for each page is then inserted into predefined sections using the @section directive.

```
routes > ⚛ web.php
  1   <?php
  2
  3   use Illuminate\Support\Facades\Auth;
  4   use Illuminate\Http\Request;
  5   use Illuminate\Support\Facades\Route;
  6
  7   Route::get('/', function () {
  8       return view('welcome');
  9   })->name('welcome');
 10
 11   Route::get('/contactus', function () {
 12       return view('contactus');
 13   })->name('contact');
 14
 15   Route::get('/about', function () {
 16       return view('about');
 17   })->name('about');
 18
 19   Route::get('/user/{name?}', function ($name = null) {
 20       $userName = preg_replace('/[^a-zA-Z]/', '', $name);
 21       $userName = $userName ?: 'Guest';
 22       $userName = ucfirst(strtolower($userName));
 23       session()->flash('user_name', $userName);
 24
 25       return redirect()->route('welcome');
 26   });
```

- In this routing setup, /contactus, and /about routes directly return their respective views (welcome, contactus, about) and are named for easy reference. The /user/{name?} route processes an optional name parameter, sanitizes it, stores it in the session, and then redirects to the welcome route.

```
resources > views > ⚛ contactus.blade.php
  1   @extends('Components.Layout')
  2
  3   @section('title', 'Contact Us')
  4
```

- Since I'm not that familiar in using blade directives like @extends and @section, I encounter layout issues where content doesn't display correctly. But with the help of my groupmates and also from internet sources, I learned how to use this correctly.

● Rendered web pages (welcome page, about page, and contact us page).