

Laporan Modul 4: Laravel Blade Template Engine

Mata Kuliah: Workshop Web Lanjut

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Abstrak

Pada praktikum ini, mahasiswa mempelajari konsep dan penerapan Blade Template Engine pada framework Laravel. Blade digunakan untuk memisahkan logika dan tampilan dalam arsitektur MVC (Model-View-Controller), sehingga proses pengembangan web menjadi lebih efisien dan terstruktur. Tujuan dari praktikum ini adalah memahami sintaks dasar Blade, penggunaan layout dan inheritance, serta memanfaatkan fitur Blade untuk menampilkan data dan kontrol alur tampilan.

1. Dasar Teori

Blade Template Engine merupakan sistem templating bawaan Laravel yang memungkinkan pengembang membuat tampilan dinamis dengan sintaks sederhana. Blade tidak menghalangi penggunaan PHP biasa, tetapi memberikan fitur tambahan seperti:

- **Template Inheritance:** memungkinkan pembuatan layout utama (layout.blade.php) yang bisa diwarisi oleh halaman lain.
- **Section & Yield:** digunakan untuk mendefinisikan area konten dalam template.
- **Control Structure:** mendukung penggunaan perintah seperti @if, @foreach, dan @for untuk mengontrol logika tampilan.
- **Component & Include:** memudahkan penggunaan ulang kode tampilan seperti header, footer, atau form.

Blade akan dikompilasi menjadi file PHP murni dan disimpan dalam cache untuk meningkatkan performa aplikasi.

2. Langkah-Langkah Praktikum

Praktikum 1: Meneruskan Data dari Controller ke Blade View

- Langkah 1: Buat dan Buka Proyek laravel laravel new modul-4-blade-view cd modul-4-blade-view code .
- Langkah 2: Buat Sebuah Controller php artisan make:controller DasarBladeController ini akan membuat app/Http/Controllers/DasarBladeController.php.

- Langkah 3: Definisikan Rute Buka Routes/Web.php Dan isi dengan code berikut

```

routes > web.php
1  <?php
2  use App\Http\Controllers\DasarBladeController;
3  use App\Http\Controllers\LogicController;
4  use App\Http\Controllers\PageController;
5  use Illuminate\Support\Facades\Route;
6
7  Route::get('/dasar', [DasarBladeController::class, 'showData']);
8  Route::get('/logic', [LogicController::class, 'show']);
9  Route::get('/admin', [PageController::class, 'admin']);
10 Route::get('/user', [PageController::class, 'user']);
11
12 Route::get('/', function () {
13     return view('welcome');
14 });
15
16
17
18

```


- Langkah 4: Buat Metode Untuk menghandle Data pada Controller Buka app/Http/controllers/dasarbladecontroller.php Isi Dengan Code Berikut

```

app > Http > Controllers > DasarBladeController.php
1  <?php
2
3  namespace App\Http\Controllers;
4  use Illuminate\Http\Request;
5
6  class DasarBladeController extends Controller
7  {
8      public function showData()
9      {
10         $name = 'Devi';
11         $fruits = ['Apple', 'Banana', 'Cherry'];
12         $user = [
13             'name' => 'Eva',
14             'email' => 'eva@ilmudata.id',
15             'is_active' => true,
16         ];
17         $product = (object) [
18             'id' => 1,
19             'name' => 'Laptop',
20             'price' => 12000000
21         ];
22
23         return view('dasar', compact('name', 'fruits', 'user', 'product'));
24     }
25
26 }
27

```

- Langkah 5: Buat Blade View Buat File Baru di Direktori resources/views/dasar.blade.php: Isi Dengan Code Berikut

```
resources > views >  dasar.blade.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Data Passing Demo</title>
5  </head>
6  <body>
7  |   <h1>Passing Data to Blade View</h1>
8
9  |   <h2>String</h2>
10 |   <p>Name: {{ $name }}</p>
11
12 |   <h2>Array</h2>
13 |   <ul>
14 |       @foreach ($fruits as $fruit)
15 |           <li>{{ $fruit }}</li>
16 |       @endforeach
17 |   </ul>
18
19 |   <h2>Associative Array</h2>
20 |   <p>Name: {{ $user['name'] }}</p>
21 |   <p>Email: {{ $user['email'] }}</p>
22 |   <p>Status: {{ $user['is_active'] ? 'Active' : 'Inactive' }}</p>
23
24 |   <h2>Object</h2>
25 |   <p>ID: {{ $product->id }}</p>
26 |   <p>Product: {{ $product->name }}</p>
27 |   <p>Price: Rp{{ number_format($product->price, 0, ',', '.') }}</p>
28 </body>
29 </html>
30
```

- Langkah 6: Uji Rute Mulai Php Artisan serve Buka Browser Dan Kunjungi <http://127.0.0.1:8000/dasar>



Passing Data to Blade View

String

Name: Devi

Array

- Apple
- Banana
- Cherry

Associative Array

Name: Eva

Email: eva@ilmudata.id

Status: Active

Object

ID: 1

Product: Laptop

Price: Rp12.000.000

Praktikum 2: Menggunakan Struktur Kontrol Blade

- Langkah 1: Buat Controller Baru Di Dalam Project Modul-4-blade-view Bikin sebuah controller php artisan make:controller LogicController Ini membuat `app/Http/Controllers/LogicController.php`.

- Langkah 2: Tambahkan route baru Buka routes/web.php dan tambahkan:

```

routes > web.php
1  <?php
2  use App\Http\Controllers\DasarBladeController;
3  use App\Http\Controllers\LogicController;
4  use App\Http\Controllers\PageController;
5  use Illuminate\Support\Facades\Route;
6
7  Route::get('/dasar', [DasarBladeController::class, 'showData']);
8  Route::get('/logic', [LogicController::class, 'show']);
9  Route::get('/admin', [PageController::class, 'admin']);
10 Route::get('/user', [PageController::class, 'user']);
11
12 Route::get('/', function () {
13     return view('welcome');
14 });
15
16
17
18

```

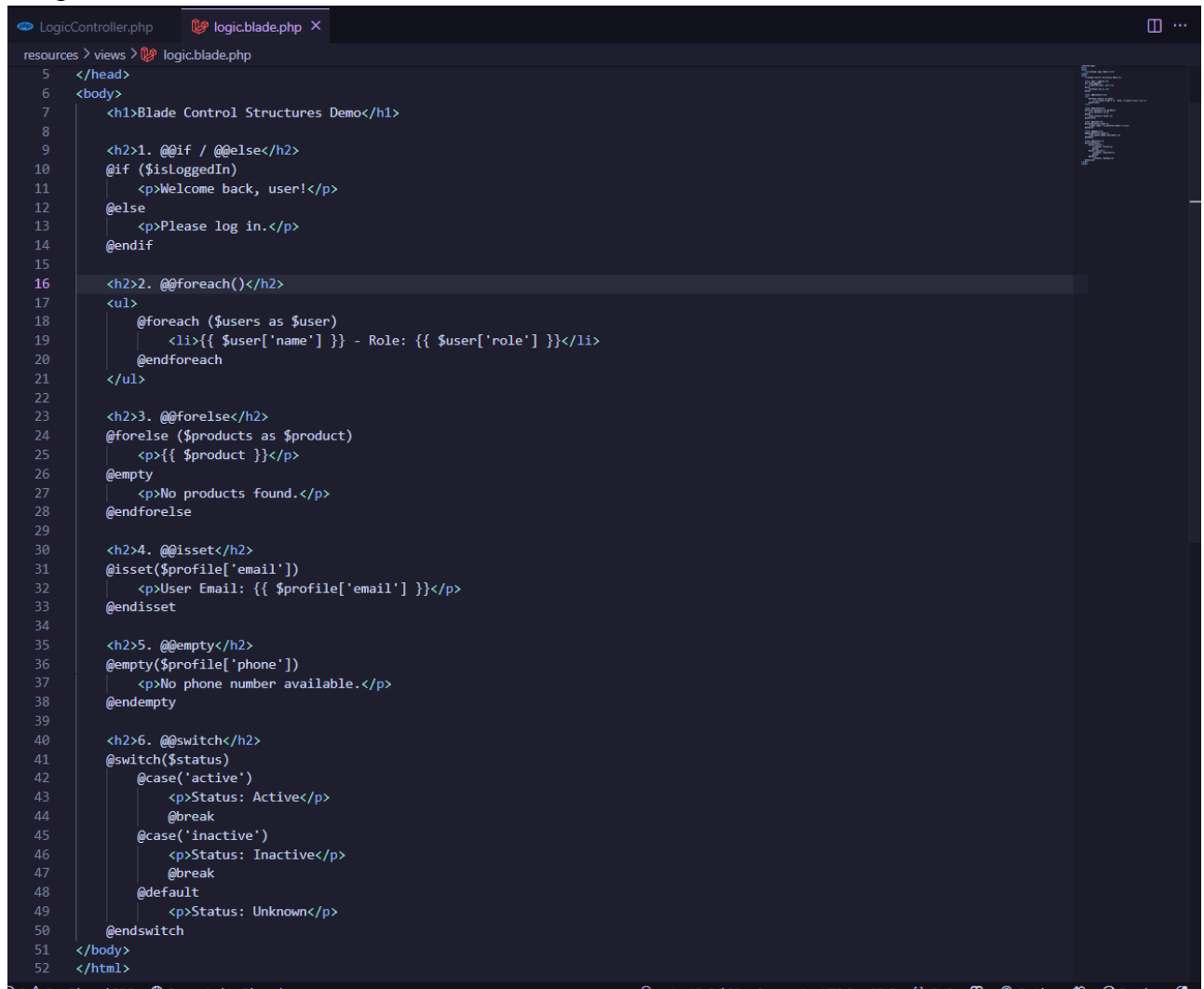
- Langkah 3: Tambahkan Logika Di Controller Kemudian, isi dengan code berikut

```

LogicController.php X
app > Http > Controllers > LogicController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class LogicController extends Controller
8  {
9      public function show()
10     {
11         $isLoggedIn = true;
12         $users = [
13             ['name' => 'Marcel', 'role' => 'admin'],
14             ['name' => 'Thariq', 'role' => 'editor'],
15             ['name' => 'Ellian', 'role' => 'subscriber'],
16         ];
17         $products = []; // Simulasi array kosong untuk @forelse
18         $profile = [
19             'name' => 'Thariq',
20             'email' => 'thariq@ilmudata.id',
21             'phone' => ''
22         ];
23         $status = 'active';
24
25         return view('logic', compact('isLoggedIn', 'users', 'products', 'profile', 'status'));
26     }
27 }
28
29

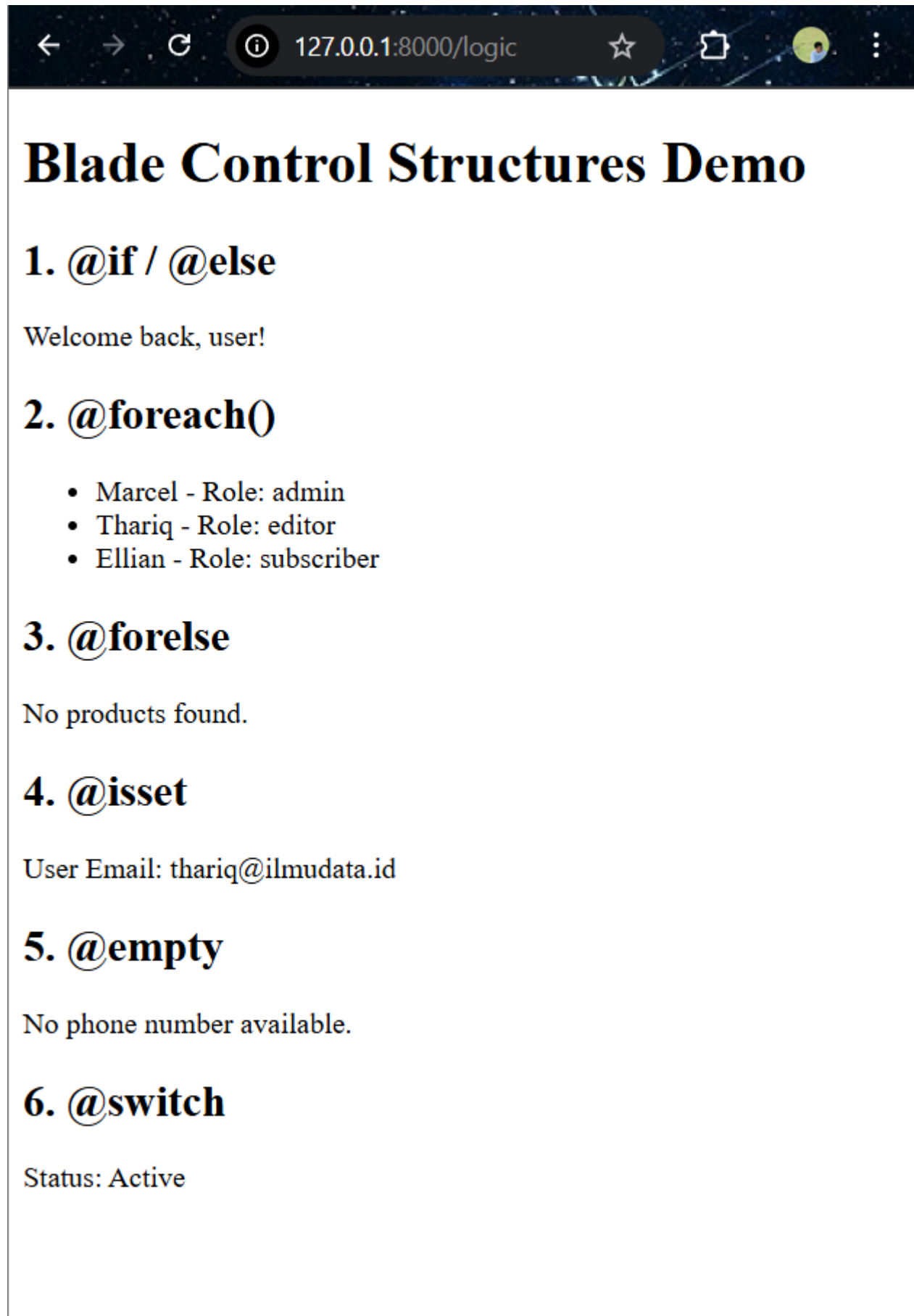
```

- Langkah 4: Buat Blade View Buat file view Di direktori resources/views/logic.blade.php: Kemudian Isi Dengan Code Berikut



```
5 </head>
6 <body>
7 <h1>Blade Control Structures Demo</h1>
8
9 <h2>1. @if / @else</h2>
10 @if ($isLoggedIn)
11 <p>Welcome back, user!</p>
12 @else
13 <p>Please log in.</p>
14 @endif
15
16 <h2>2. @foreach</h2>
17 <ul>
18 @foreach ($users as $user)
19 <li>{{ $user['name'] }} - Role: {{ $user['role'] }}</li>
20 @endforeach
21 </ul>
22
23 <h2>3. @forelse</h2>
24 @forelse ($products as $product)
25 <p>{{ $product }}</p>
26 @empty
27 <p>No products found.</p>
28 @endforelse
29
30 <h2>4. @isset</h2>
31 @isset($profile['email'])
32 <p>User Email: {{ $profile['email'] }}</p>
33 @endisset
34
35 <h2>5. @empty</h2>
36 @empty($profile['phone'])
37 <p>No phone number available.</p>
38 @endempty
39
40 <h2>6. @switch</h2>
41 @switch($status)
42 @case('active')
43 <p>Status: Active</p>
44 @break
45 @case('inactive')
46 <p>Status: Inactive</p>
47 @break
48 @default
49 <p>Status: Unknown</p>
50 @endswitch
51 </body>
52 </html>
```

- Langkah 5: Jalankan Aplikasi Jalankan Server Pengembangan php php artisan serve
Akses aplikasi di: <http://127.0.0.1:8000/logic>



Praktikum 3: Layout dan Personalisasi di Laravel 12 dengan Bootstrap

- Langkah 1: Buat Controller baru Masih Sama Di dalam Projek modul-4-view, untuk kali ini akan membuat controller untuk menangani rute dan logika kita: `php artisan make:controller PageController`

- Langkah 2: Menambahkan Route Di Dalam Routes/web.php kita akan menambahkan rute baru: berikut adalah codenya:

```

routes > web.php
1  <?php
2  use App\Http\Controllers\DasarBladeController;
3  use App\Http\Controllers\LogicController;
4  use App\Http\Controllers\PageController;
5  use Illuminate\Support\Facades\Route;
6
7  Route::get('/dasar', [DasarBladeController::class, 'showData']);
8  Route::get('/logic', [LogicController::class, 'show']);
9  Route::get('/admin', [PageController::class, 'admin']);
10 Route::get('/user', [PageController::class, 'user']);
11 |
12 Route::get('/', function () {
13 |     return view('welcome');
14 | });
15
16
17
18

```

- Langkah 3: Update Controller Di dalam direktori app/Http/Controllers/PageController.php Isikan Kode Berikut

```

app > Http > Controllers > PageController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class PageController extends Controller
8  {
9      public function admin()
10     {
11         $role = 'admin';
12         $username = 'Yamato Admin';
13         return view('admin.dashboard', compact('role', 'username'));
14     }
15
16     public function user()
17     {
18         $role = 'user';
19         $username = 'Liu User';
20         return view('user.dashboard', compact('role', 'username'));
21     }
22
23 }
24

```


- Langkah 4: Buat Layout Dasar dengan Bootstrap Di dalam direktori resources/view bikin folder layouts kemudian di dalamnya buat file app.blade.php dan isi dengan code berikut:

```
resources > views > layouts > app.blade.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>@yield('title') | Layout and Personalization</title>
5      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
6  </head>
7  <body>
8      <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-4">
9          <div class="container">
10             <a class="navbar-brand" href="#">Layout and Personalization</a>
11             <div class="collapse navbar-collapse">
12                 <ul class="navbar-nav ms-auto">
13                     <li class="nav-item">
14                         <span class="nav-link active">Welcome, {{ $username }}</span>
15                     </li>
16                 </ul>
17             </div>
18         </div>
19     </nav>
20
21     <div class="container">
22         @if ($role === 'admin')
23             <div class="alert alert-info">Admin Access Granted</div>
24         @elseif ($role === 'user')
25             <div class="alert alert-success">User Area</div>
26         @endif
27
28         @yield('content')
29     </div>
30
31     <footer class="bg-light text-center mt-5 p-3 border-top">
32         <p class="mb-0">&copy; 2025 Layout and Personalization. All rights reserved.</p>
33     </footer>
34
35     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
36 </body>
37 </html>
38
```

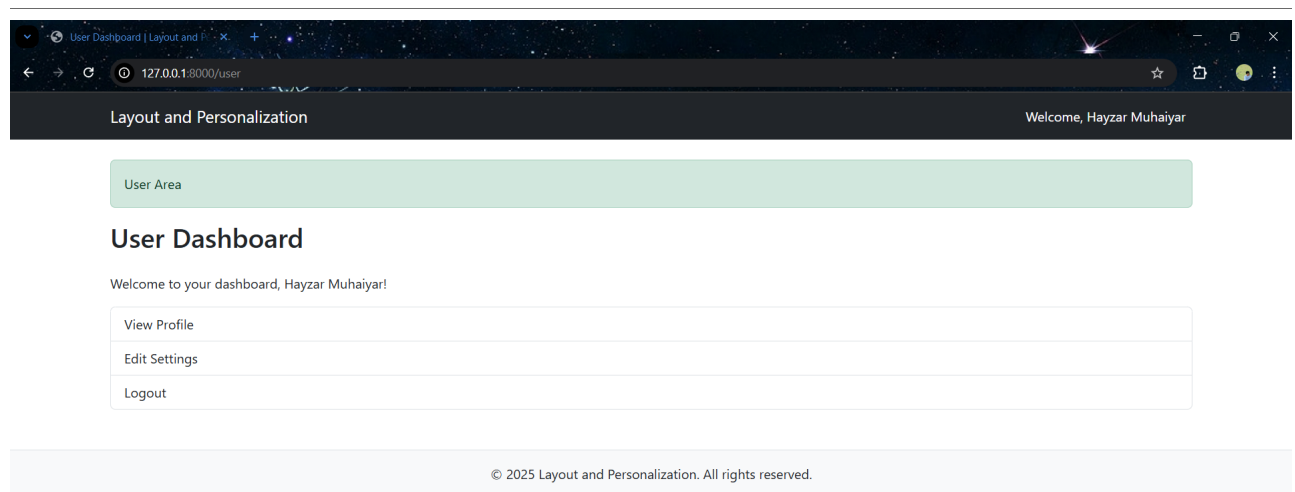
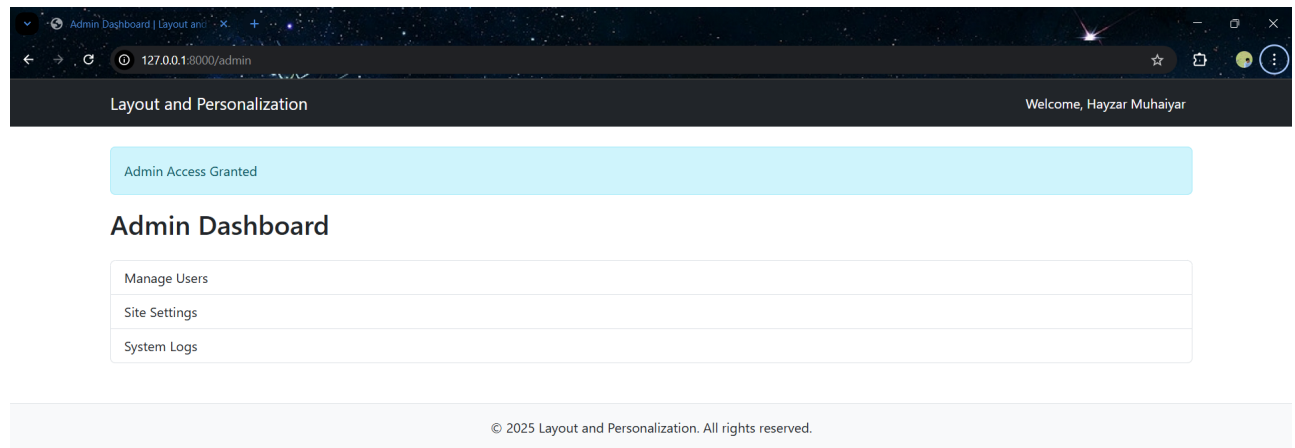
- Langkah 5: Buat view untuk Admin Buat direktori admin di resources/views Kemudian, buat resources/views/admin/dashboard.blade.php: Dan Isi dengan Code Berikut:

```
resources > views > admin > dashboard.blade.php
1  @extends('layouts.app')
2
3  @section('title', 'Admin Dashboard')
4
5  @section('content')
6      <h2 class="mb-4">Admin Dashboard</h2>
7      <div class="list-group">
8          <a href="#" class="list-group-item list-group-item-action">Manage Users</a>
9          <a href="#" class="list-group-item list-group-item-action">Site Settings</a>
10         <a href="#" class="list-group-item list-group-item-action">System Logs</a>
11     </div>
12 @endsection
13
```

- Langkah 6: Buat view untuk User Buat direktori user di resources/views Kemudian, buat resources/views/user/dashboard.blade.php: Dan isi dengan Code Berikut:

```
resources > views > user > dashboard.blade.php
1  @extends('layouts.app')
2
3  @section('title', 'User Dashboard')
4
5  @section('content')
6      <h2 class="mb-4">User Dashboard</h2>
7      <p>Welcome to your dashboard, {{ $username }}!</p>
8      <div class="list-group">
9          <a href="#" class="list-group-item list-group-item-action">View Profile</a>
10         <a href="#" class="list-group-item list-group-item-action">Edit Settings</a>
11         <a href="#" class="list-group-item list-group-item-action">Logout</a>
12     </div>
13 @endsection
14
```

- Langkah 7: Jalankan Aplikasi php artisan serve Buka browser dan kunjungi Admin:
http://127.0.0.1:8000/admin User: http://127.0.0.1:8000/user Berikut adalah Hasilnya

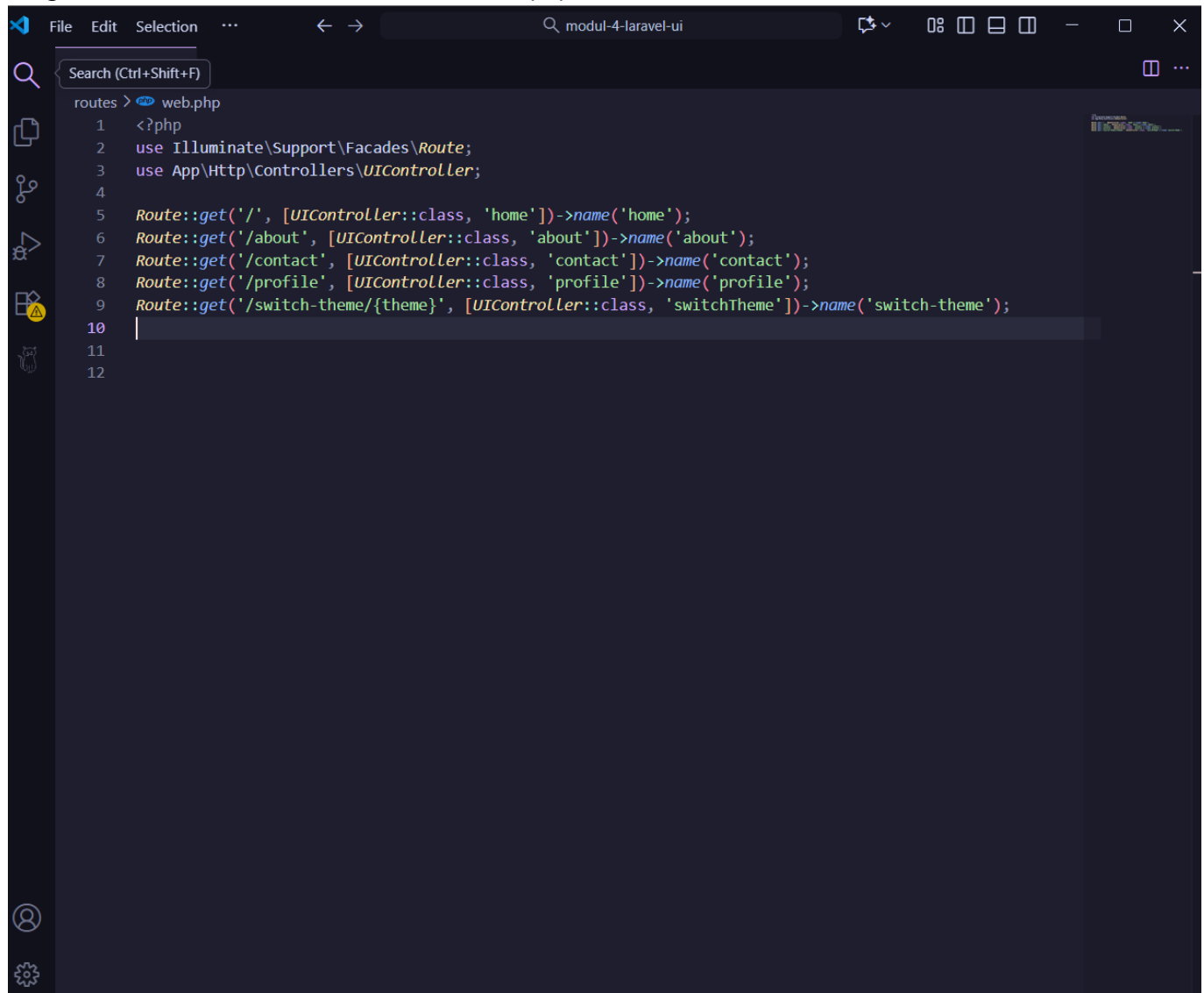


Praktikum 4: Partial Views, Blade Components, dan Theme Switching di Laravel 12

Langkah 1: Buat Dan Buka Proyek Laravel Baru `laravel new modul-4-laravel-ui` `cd modul-4-laravel-ui` `code` .

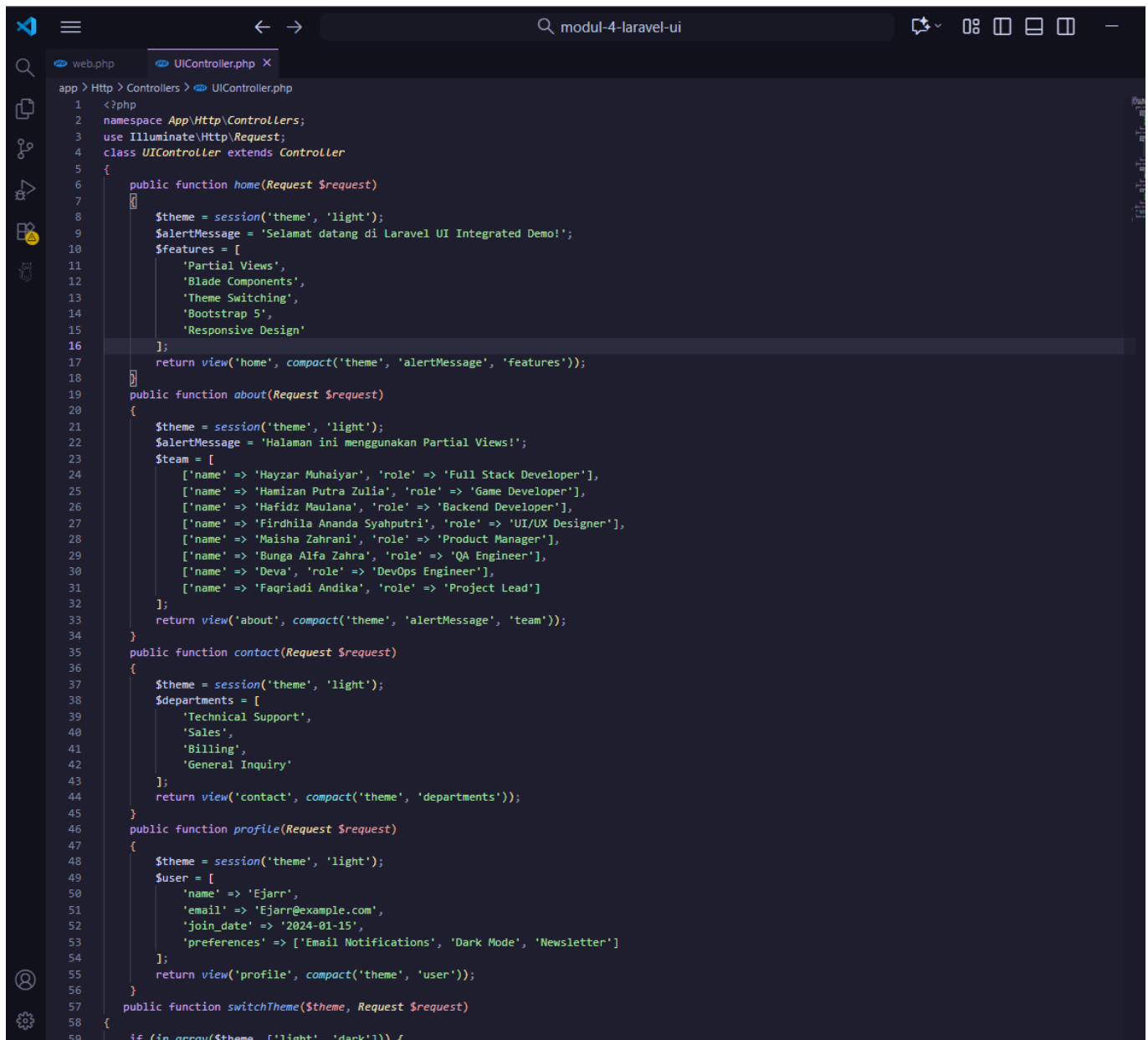
Langkah 2: Buat Controller Ketik ini di terminal : `php artisan make:controller UIController`

Langkah 3: Definisikan Routes Buka Routes/web.php Dan Tambahkan Code Berikut:



```
File Edit Selection ...  ← →  modul-4-laravel-ui  Search (Ctrl+Shift+F)
routes > web.php
1  <?php
2  use Illuminate\Support\Facades\Route;
3  use App\Http\Controllers\UIController;
4
5  Route::get('/', [UIController::class, 'home'])->name('home');
6  Route::get('/about', [UIController::class, 'about'])->name('about');
7  Route::get('/contact', [UIController::class, 'contact'])->name('contact');
8  Route::get('/profile', [UIController::class, 'profile'])->name('profile');
9  Route::get('/switch-theme/{theme}', [UIController::class, 'switchTheme'])->name('switch-theme');
10
11
12
```

Langkah 4: Update Controller Buka File UIController.php di Direktori app/Http/Controllers/UIController.php Kemudian Isi dengan Code Berikut

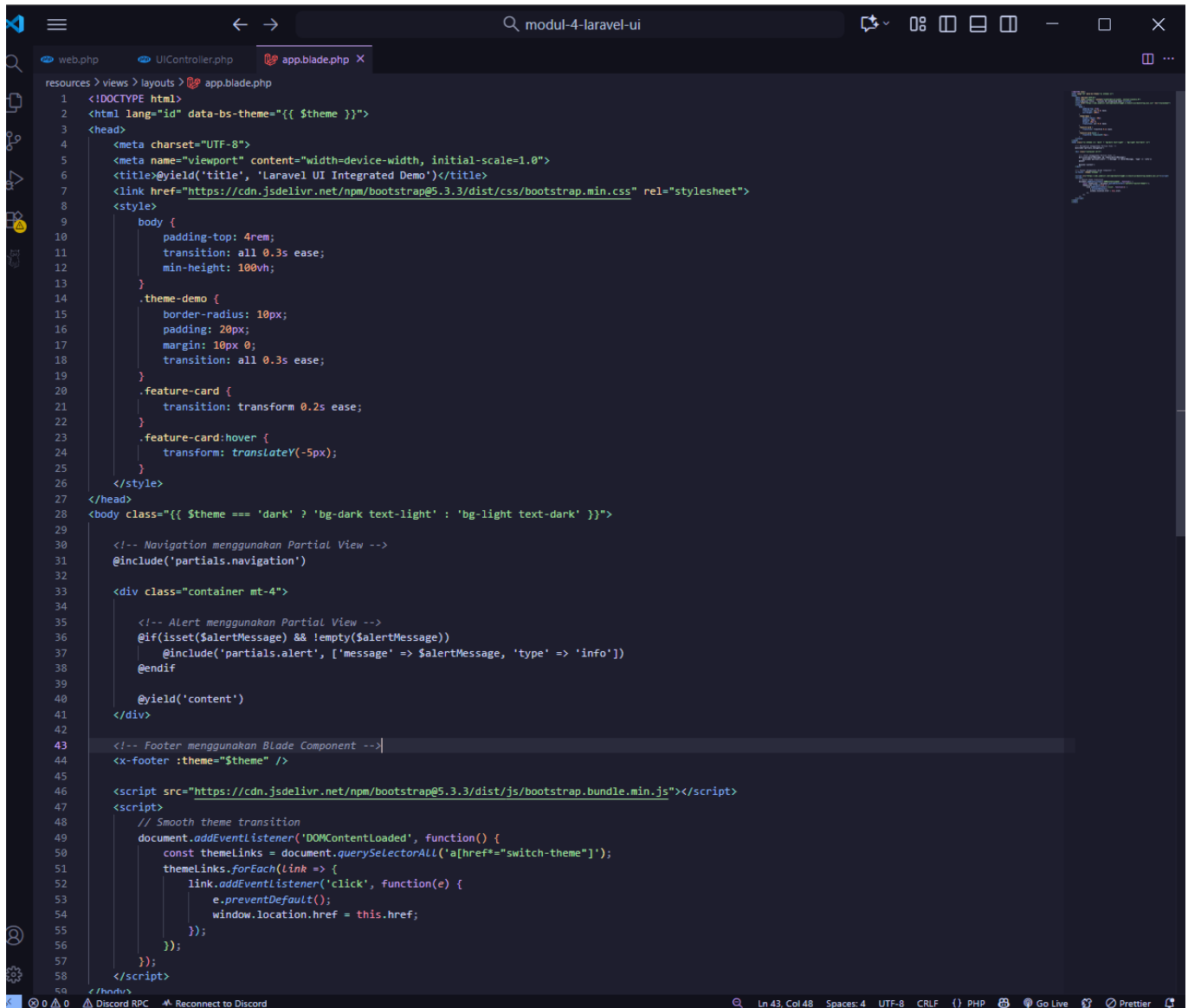


```

1  <?php
2  namespace App\Http\Controllers;
3  use Illuminate\Http\Request;
4  class UIController extends Controller
5  {
6      public function home(Request $request)
7      {
8          $theme = session('theme', 'light');
9          $alertMessage = 'Selamat datang di Laravel UI Integrated Demo!';
10         $features = [
11             'Partial Views',
12             'Blade Components',
13             'Theme Switching',
14             'Bootstrap 5',
15             'Responsive Design'
16         ];
17         return view('home', compact('theme', 'alertMessage', 'features'));
18     }
19     public function about(Request $request)
20     {
21         $theme = session('theme', 'light');
22         $alertMessage = 'Halaman ini menggunakan Partial Views!';
23         $team = [
24             ['name' => 'Hayzar Muhaiyar', 'role' => 'Full Stack Developer'],
25             ['name' => 'Hamizan Putra Zulia', 'role' => 'Game Developer'],
26             ['name' => 'Hafidz Maulana', 'role' => 'Backend Developer'],
27             ['name' => 'Firdhila Ananda Syahputri', 'role' => 'UI/UX Designer'],
28             ['name' => 'Maisha Zahrani', 'role' => 'Product Manager'],
29             ['name' => 'Bunga Alfa Zahra', 'role' => 'QA Engineer'],
30             ['name' => 'Deva', 'role' => 'DevOps Engineer'],
31             ['name' => 'Faqriadi Andika', 'role' => 'Project Lead']
32         ];
33         return view('about', compact('theme', 'alertMessage', 'team'));
34     }
35     public function contact(Request $request)
36     {
37         $theme = session('theme', 'light');
38         $departments = [
39             'Technical Support',
40             'Sales',
41             'Billing',
42             'General Inquiry'
43         ];
44         return view('contact', compact('theme', 'departments'));
45     }
46     public function profile(Request $request)
47     {
48         $theme = session('theme', 'light');
49         $user = [
50             'name' => 'Ejarr',
51             'email' => 'Ejarr@example.com',
52             'join_date' => '2024-01-15',
53             'preferences' => ['Email Notifications', 'Dark Mode', 'Newsletter']
54         ];
55         return view('profile', compact('theme', 'user'));
56     }
57     public function switchTheme($theme, Request $request)
58     {
59         if (in_array($theme, ['light', 'dark'])) {

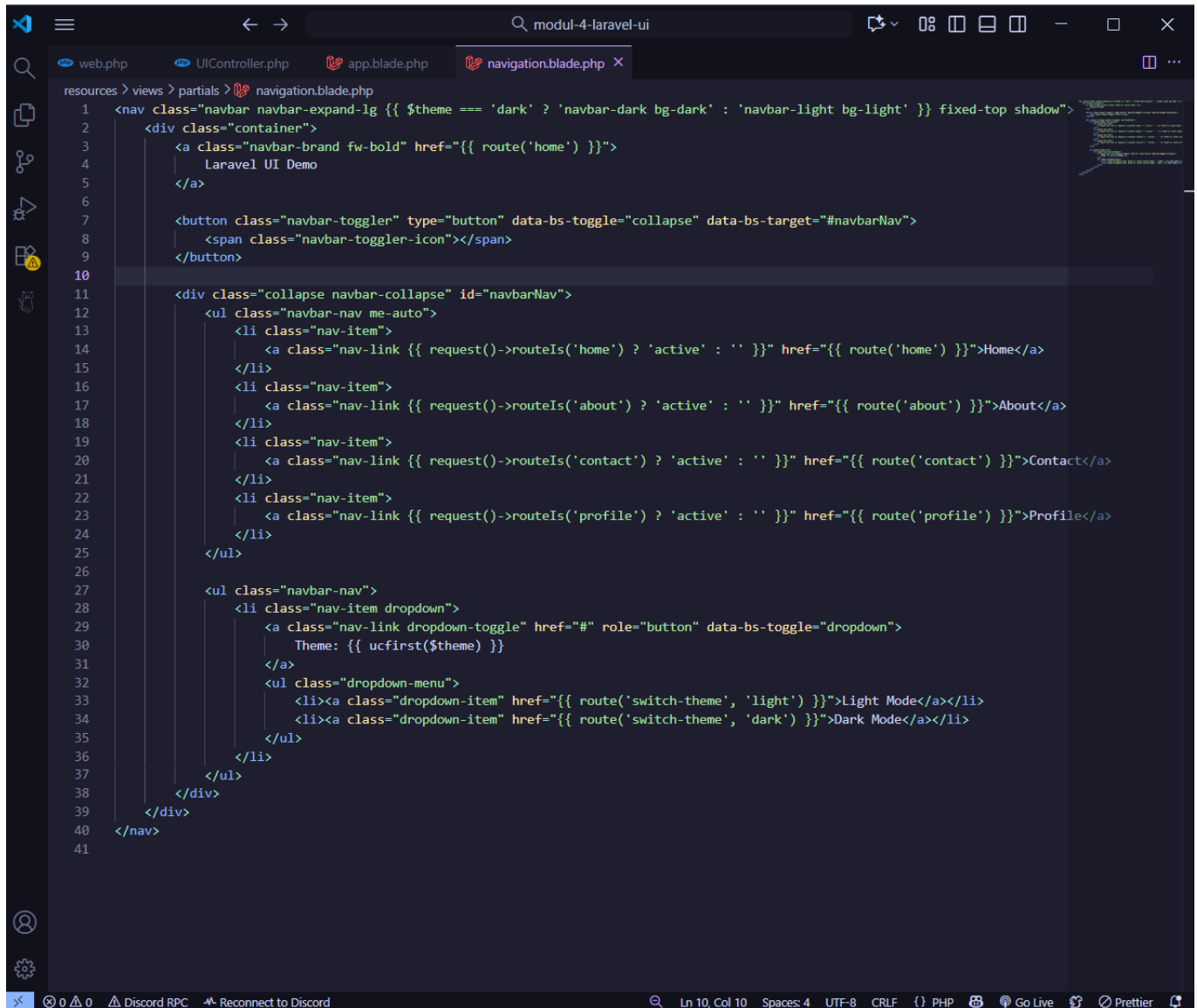
```

Langkah 5: Buat Layout Utama Dengan Theme Support Buat Direktori layout di resources/view kemudian Bikin File app.blade.php Dan isi Dengan Code Berikut:



```
1 <!DOCTYPE html>
2 <html lang="id" data-bs-theme="{{ $theme }}">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>@yield('title', 'Laravel UI Integrated Demo')</title>
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
8   <style>
9     body {
10       padding-top: 4rem;
11       transition: all 0.3s ease;
12       min-height: 100vh;
13     }
14     .theme-demo {
15       border-radius: 10px;
16       padding: 20px;
17       margin: 10px 0;
18       transition: all 0.3s ease;
19     }
20     .feature-card {
21       transition: transform 0.2s ease;
22     }
23     .feature-card:hover {
24       transform: translateY(-5px);
25     }
26   </style>
27 </head>
28 <body class="{{ $theme === 'dark' ? 'bg-dark text-light' : 'bg-light text-dark' }}">
29
30 <!-- Navigation menggunakan Partial View -->
31 @include('partials.navigation')
32
33 <div class="container mt-4">
34
35   <!-- Alert menggunakan Partial View -->
36   @if(isset($alertMessage) && !empty($alertMessage))
37     @include('partials.alert', ['message' => $alertMessage, 'type' => 'info'])
38   @endif
39
40   @yield('content')
41 </div>
42
43 <!-- Footer menggunakan Blade Component -->
44 <x-footer :theme="$theme" />
45
46 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
47 <script>
48   // Smooth theme transition
49   document.addEventListener('DOMContentLoaded', function() {
50     const themeLinks = document.querySelectorAll('a[href*="switch-theme"]');
51     themeLinks.forEach(link => {
52       link.addEventListener('click', function(e) {
53         e.preventDefault();
54         window.location.href = this.href;
55       });
56     });
57   });
58 </script>
```

Langkah 6: Buat Partial View Buat Direktori Partial Di resources/view dan bikin file navigation.blade.php kemudian isi code Berikut



```

1 <nav class="navbar navbar-expand-lg {{ $theme === 'dark' ? 'navbar-dark bg-dark' : 'navbar-light bg-light' }} fixed-top shadow">
2   <div class="container">
3     <a class="navbar-brand fw-bold" href="{{ route('home') }}">
4       Laravel UI Demo
5     </a>
6
7     <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
8       <span class="navbar-toggler-icon"></span>
9     </button>
10
11     <div class="collapse navbar-collapse" id="navbarNav">
12       <ul class="navbar-nav me-auto">
13         <li class="nav-item">
14           <a class="nav-link {{ request()->routeIs('home') ? 'active' : '' }}" href="{{ route('home') }}">Home</a>
15         </li>
16         <li class="nav-item">
17           <a class="nav-link {{ request()->routeIs('about') ? 'active' : '' }}" href="{{ route('about') }}">About</a>
18         </li>
19         <li class="nav-item">
20           <a class="nav-link {{ request()->routeIs('contact') ? 'active' : '' }}" href="{{ route('contact') }}">Contact</a>
21         </li>
22         <li class="nav-item">
23           <a class="nav-link {{ request()->routeIs('profile') ? 'active' : '' }}" href="{{ route('profile') }}">Profile</a>
24         </li>
25       </ul>
26
27       <ul class="navbar-nav">
28         <li class="nav-item dropdown">
29           <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown">
30             Theme: {{ ucfirst($theme) }}
31           </a>
32           <ul class="dropdown-menu">
33             <li><a class="dropdown-item" href="{{ route('switch-theme', 'light') }}">Light Mode</a></li>
34             <li><a class="dropdown-item" href="{{ route('switch-theme', 'dark') }}">Dark Mode</a></li>
35           </ul>
36         </li>
37       </ul>
38     </div>
39   </div>
40 </nav>
41

```

Langkah 7: Buat Blade Components Ketik ini di dalam terminal: `php artisan make:component Footer` `php artisan make:component FeatureCard` `php artisan make:component TeamMember` `php artisan make:component ContactForm` Kemudian, Edit `resources/views/components/footer.blade.php`: Isi Dengan Code Berikut:

```

1 @php
2     $theme = $theme ?? 'light';
3 @endphp
4 <footer class="mt-5 py-4 border-top {{ $theme === 'dark' ? 'border-secondary' : '' }}">
5     <div class="container">
6         <div class="row">
7             <div class="col-md-6">
8                 <h5>Laravel UI Integrated Demo</h5>
9                 <p class="mb-0">Demonstrasi Partial Views, Blade Components, dan Theme Switching</p>
10            </div>
11            <div class="col-md-6 text-md-end">
12                <p class="mb-0">
13                    <strong>Current Theme:</strong>
14                    <span class="badge {{ $theme === 'dark' ? 'bg-primary' : 'bg-dark' }}">
15                        {{ ucfirst($theme) }}
16                    </span>
17                </p>
18                <p class="mb-0">&copy; 2024 Laravel UI Demo. All rights reserved.</p>
19            </div>
20        </div>
21    </div>
22 </footer>
23

```

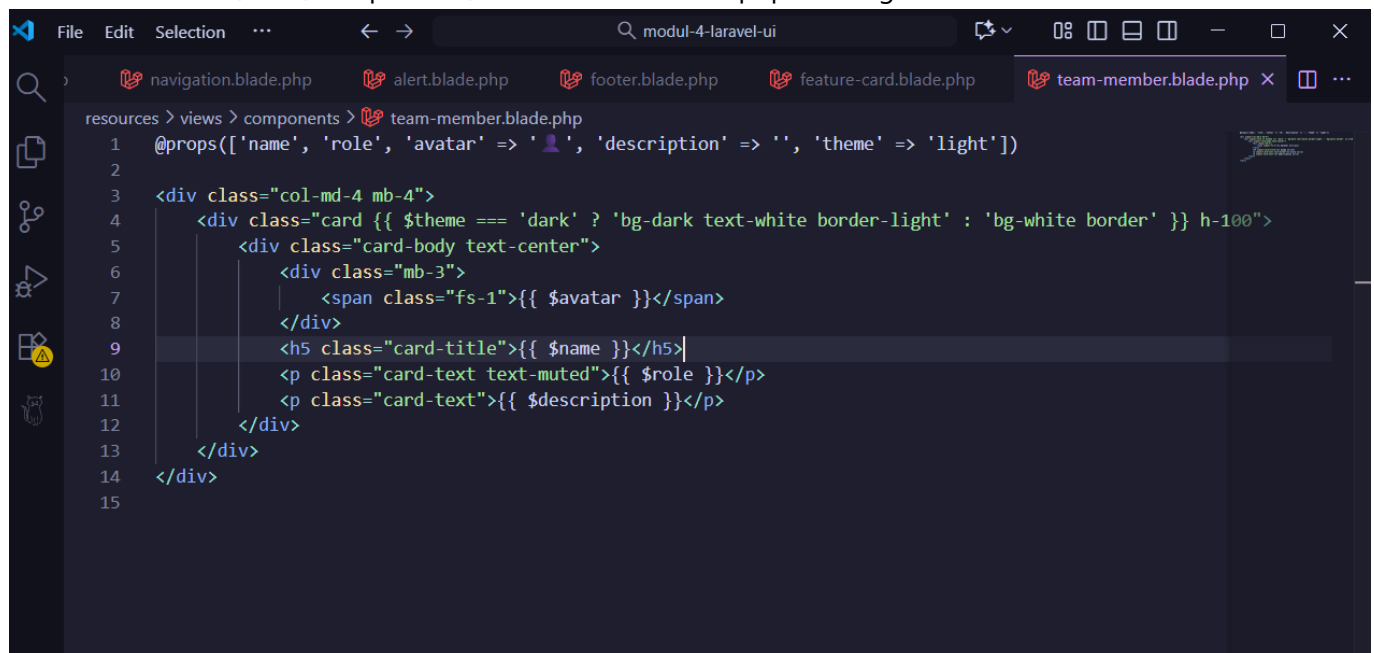
Selanjutnya Edit resources/views/components/feature-card.blade.php Isi Dengan Code Berikut:

```

1 @php
2     $theme = $theme ?? 'light';
3     $title = $title ?? '';
4     $description = $description ?? '';
5     $icon = $icon ?? '★';
6 @endphp
7 <div class="card feature-card h-100 {{ $theme === 'dark' ? 'bg-secondary text-white' : '' }}">
8     <div class="card-body">
9         <div class="d-flex align-items-center mb-3">
10             <span class="fs-2 me-3">{{ $icon ?? '★' }}</span>
11             <h5 class="card-title mb-0">{{ $title }}</h5>
12         </div>
13         <p class="card-text">{{ $description }}</p>
14         @if(isset($badge))
15             <span class="badge {{ $theme === 'dark' ? 'bg-light text-dark' : 'bg-dark' }}">{{ $badge }}</span>
16         @endif
17     </div>
18 </div>
19

```


Dan Edit resources/view/components/team-member.blade.php Isi Dengan Code Berikut:



```
resources > views > components > team-member.blade.php
1  @props(['name', 'role', 'avatar' => '👤', 'description' => '', 'theme' => 'light'])
2
3  <div class="col-md-4 mb-4">
4      <div class="card {{ $theme === 'dark' ? 'bg-dark text-white border-light' : 'bg-white border' }} h-100">
5          <div class="card-body text-center">
6              <div class="mb-3">
7                  <span class="fs-1">{{ $avatar }}</span>
8              </div>
9              <h5 class="card-title">{{ $name }}</h5>
10             <p class="card-text text-muted">{{ $role }}</p>
11             <p class="card-text">{{ $description }}</p>
12         </div>
13     </div>
14 </div>
15
```

Langkah 8: Buat Main Views Buat View-view Utama:

1. resources/views/home.blade.php Isi Dengan Code Berikut:

```
modul-4-laravel-ui
resources > views > home.blade.php
1 @extends('layouts.app')
2 @section('title', 'Home - Integrated Demo')
3 @section('content')
4 <div class="row">
5     <div class="col-12">
6         <div class="theme-demo {{ $theme === 'dark' ? 'bg-dark border-light' : 'bg-white border' }} mb-5">
7             <h1 class="display-4 mb-4">Laravel UI Integrated Demo</h1>
8             <p class="lead">Demonstrasi lengkap Partial Views, Blade Components, dan Theme Switching dalam satu aplikasi terpadu.</p>
9
10            <div class="row mt-5">
11                <div class="col-md-4 mb-4">
12                    <x-feature-card
13                        :theme="$theme"
14                        title="Partial Views"
15                        icon="📦"
16                        description="Gunakan @include untuk reusable UI components dengan data sederhana."
17                        badge="Latihan 13"
18                    />
19                </div>
20                <div class="col-md-4 mb-4">
21                    <x-feature-card
22                        :theme="$theme"
23                        title="Blade Components"
24                        icon="⚙️"
25                        description="Komponen Blade dengan props dan slots untuk UI yang lebih kompleks."
26                        badge="Latihan 14"
27                    />
28                </div>
29                <div class="col-md-4 mb-4">
30                    <x-feature-card
31                        :theme="$theme"
32                        title="Theme Switching"
33                        icon="🌑"
34                        description="Toggle antara light dan dark mode dengan session persistence."
35                        badge="Latihan 15"
36                    />
37                </div>
38            </div>
39        </div>
40
41        <div class="row">
42            <div class="col-md-6">
43                <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} mb-4">
44                    <div class="card-header">
45                        <h5>Fitur Utama</h5>
46                    </div>
47                    <div class="card-body">
48                        <ul class="list-group list-group-flush">
49                            @foreach($features as $feature)
50                                <li class="list-group-item {{ $theme === 'dark' ? 'bg-dark text-light' : '' }}">
51                                    - {{ $feature }}
52                                </li>
53                            @endforeach
54                        </ul>
55                    </div>
56                </div>
57            </div>
58            <div class="col-md-6">
59                <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }}">
60                    <div class="card-header">
61                        <h5>Teknologi yang Digunakan</h5>
62                    </div>
63                    <div class="card-body">
64                        <div class="d-flex flex-wrap gap-2">
65                            <span class="badge bg-primary">Laravel 12</span>
66                            <span class="badge bg-success">Blade Templates</span>
67                            <span class="badge bg-info">Bootstrap 5</span>
68                            <span class="badge bg-warning">PHP 8.4</span>
69                            <span class="badge bg-danger">Session Management</span>
70                        </div>
71                    </div>
72                </div>
73            </div>
74        </div>
75    </div>
76 @endsection
```

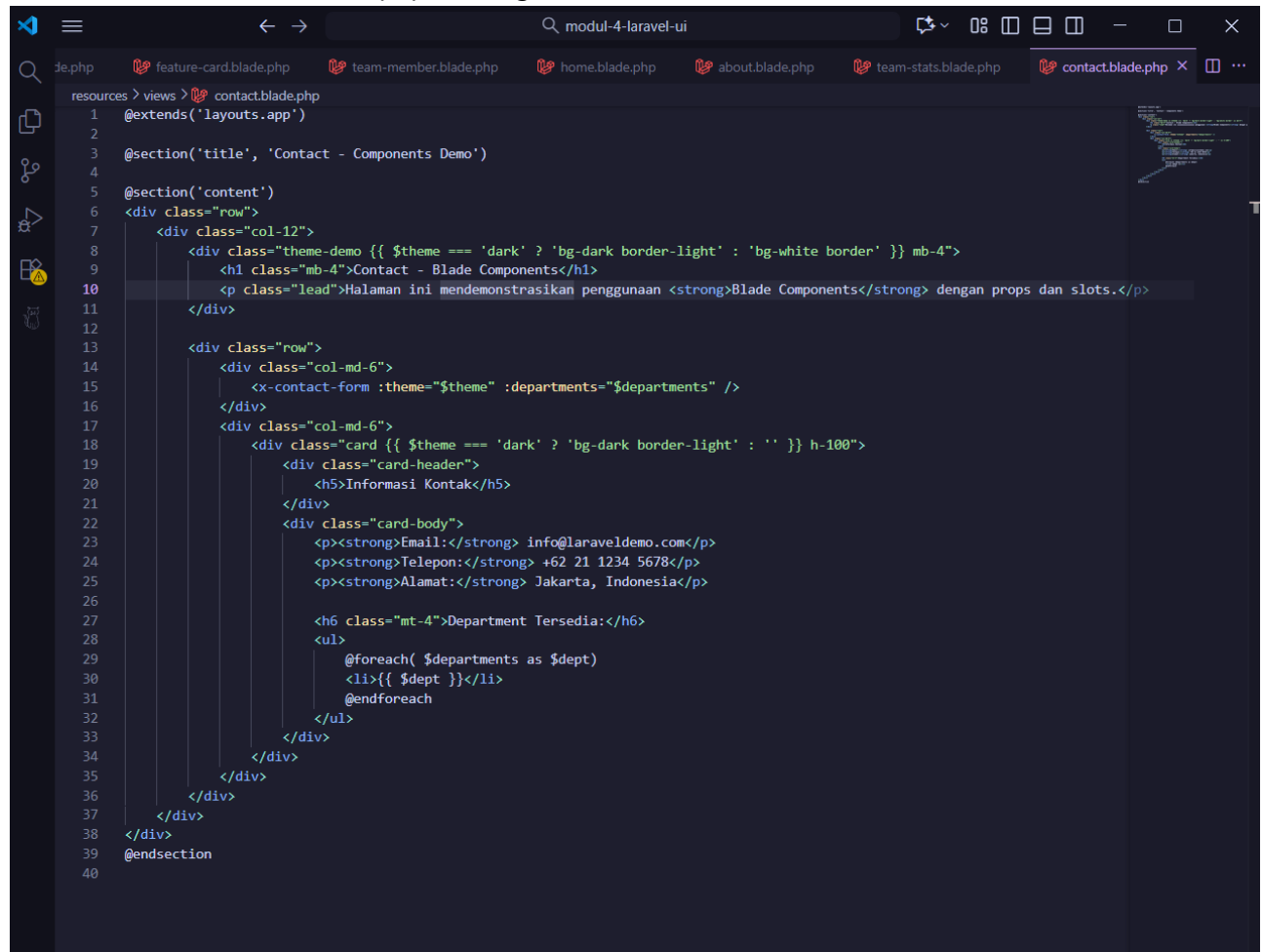
2. resources/views/about.blade.php Isi Dengan Code Berikut:

```
resources > views > about.blade.php
1 @extends('layouts.app')
2
3 @section('title', 'About - Partial Views Demo')
4
5 @section('content')
6 <div class="row">
7     <div class="col-12">
8         <div class="theme-demo {{ $theme === 'dark' ? 'bg-dark border-light' : 'bg-white border' }} mb-4 p-4 rounded">
9             <h1 class="mb-4">Welcome My Website</h1>
10             <p class="lead">
11                 Halaman ini mendemonstrasikan penggunaan <strong>Partial Views</strong> dengan
12                 <code>@{{ include }}</code> directive untuk membuat komponen Blade yang bisa digunakan ulang.
13             </p>
14         </div>
15
16         <h3 class="mb-4">Team Kami</h3>
17
18         @php
19             $avatars = ['👤', '👤', '👤', '👤', '👤', '👤', '👤', '👤', '👤', '👤'];
20         @endphp
21
22         <div class="row">
23             @foreach($team as $member)
24                 <x-team-member
25                     name="{{ {{ $member['name'] }}"
26                     role="{{ {{ $member['role'] }}"
27                     theme="{{ {{ $theme }}"
28                     avatar="{{ {{ $avatars[$loop->index] ?? '👤' }}"
29                     description="Bergabung sejak 2024 dan berkontribusi dalam pengembangan." />
30             @endforeach
31         </div>
32     </div>
33 </div>
34 @endsection
35
```

3. resources/views/partials/team-stats.blade.php Isi Dengan Code Berikut:

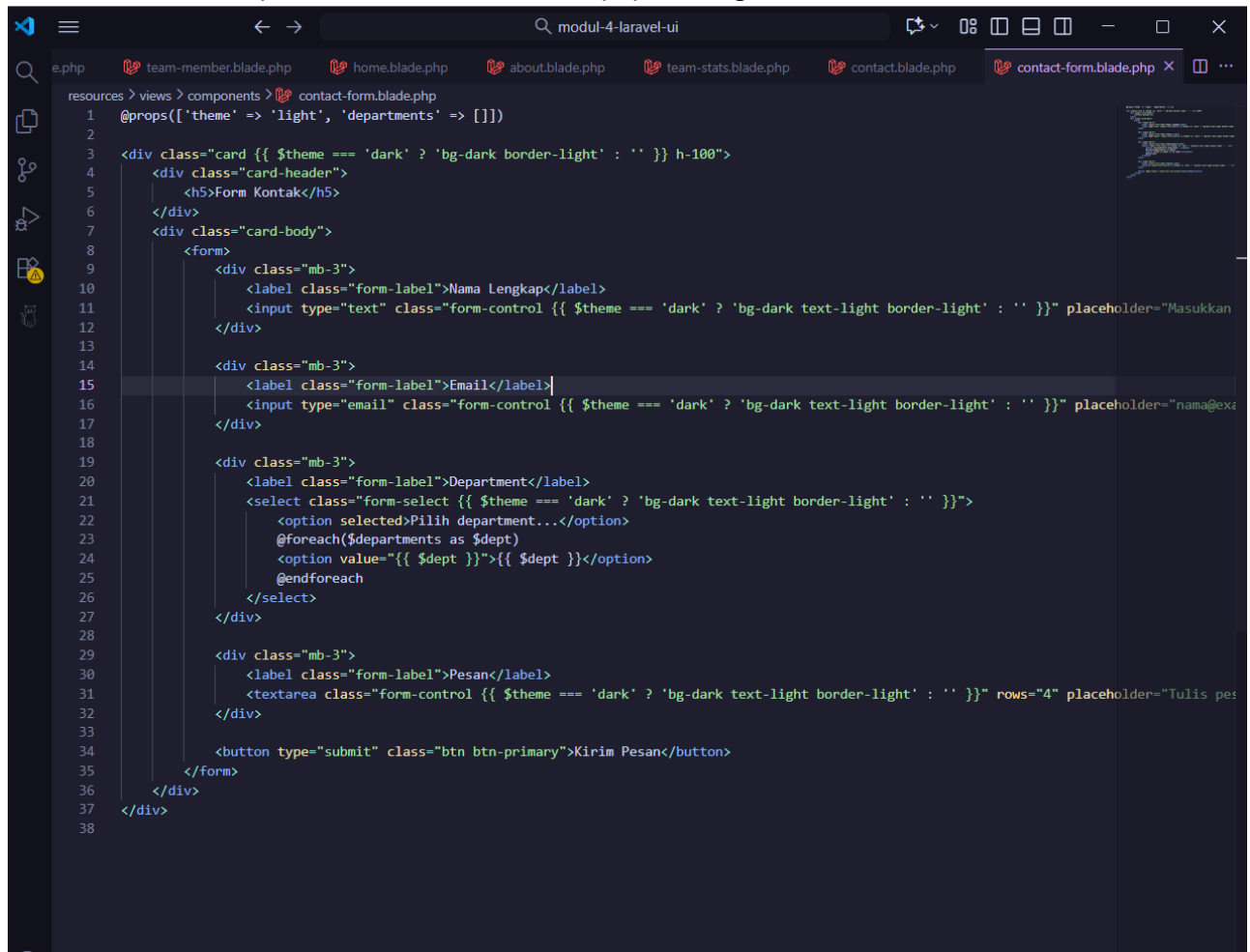
```
resources > views > partials > team-stats.blade.php
1 <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} mt-4">
2     <div class="card-header">
3         <h5>Statistik Tim</h5>
4     </div>
5     <div class="card-body">
6         <div class="row text-center">
7             <div class="col-md-3">
8                 <h3>3</h3>
9                 <p class="text-muted">Anggota</p>
10            </div>
11            <div class="col-md-3">
12                <h3>12</h3>
13                <p class="text-muted">Proyek</p>
14            </div>
15            <div class="col-md-3">
16                <h3>95%</h3>
17                <p class="text-muted">Kepuasan</p>
18            </div>
19            <div class="col-md-3">
20                <h3>2</h3>
21                <p class="text-muted">Tahun</p>
22            </div>
23        </div>
24    </div>
25 </div>
26
```

4. resources/views/contact.blade.php Isi Dengan Code Berikut:



```
1 @extends('layouts.app')
2
3 @section('title', 'Contact - Components Demo')
4
5 @section('content')
6 <div class="row">
7     <div class="col-12">
8         <div class="theme-demo {{ $theme === 'dark' ? 'bg-dark border-light' : 'bg-white border' }} mb-4">
9             <h1 class="mb-4">Contact - Blade Components</h1>
10            <p class="lead">Halaman ini mendemonstrasikan penggunaan <strong>Blade Components</strong> dengan props dan slots.</p>
11        </div>
12
13        <div class="row">
14            <div class="col-md-6">
15                <x-contact-form :theme="$theme" :departments="$departments" />
16            </div>
17            <div class="col-md-6">
18                <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} h-100">
19                    <div class="card-header">
20                        <h5>Informasi Kontak</h5>
21                    </div>
22                    <div class="card-body">
23                        <p><strong>Email:</strong> info@laraveldemo.com</p>
24                        <p><strong>Telepon:</strong> +62 21 1234 5678</p>
25                        <p><strong>Alamat:</strong> Jakarta, Indonesia</p>
26
27                        <h6 class="mt-4">Department Tersedia:</h6>
28                        <ul>
29                            @foreach( $departments as $dept)
30                                <li>{{ $dept }}</li>
31                            @endforeach
32                        </ul>
33                    </div>
34                </div>
35            </div>
36        </div>
37    </div>
38 </div>
39 @endsection
40
```

5. resources/views/components/contact-form.blade.php Isi dengan Code Berikut:



```
1 @props(['theme' => 'light', 'departments' => []])
2
3 <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} h-100">
4     <div class="card-header">
5         <h5>Form Kontak</h5>
6     </div>
7     <div class="card-body">
8         <form>
9             <div class="mb-3">
10                 <label class="form-label">Nama Lengkap</label>
11                 <input type="text" class="form-control {{ $theme === 'dark' ? 'bg-dark text-light border-light' : '' }}" placeholder="Masukkan"
12             </div>
13
14             <div class="mb-3">
15                 <label class="form-label">Email</label>
16                 <input type="email" class="form-control {{ $theme === 'dark' ? 'bg-dark text-light border-light' : '' }}" placeholder="nama@exa
17             </div>
18
19             <div class="mb-3">
20                 <label class="form-label">Department</label>
21                 <select class="form-select {{ $theme === 'dark' ? 'bg-dark text-light border-light' : '' }}">
22                     <option selected>Pilih department...</option>
23                     @foreach($departments as $dept)
24                         <option value="{{ $dept }}">{{ $dept }}</option>
25                     @endforeach
26                 </select>
27             </div>
28
29             <div class="mb-3">
30                 <label class="form-label">Pesan</label>
31                 <textarea class="form-control {{ $theme === 'dark' ? 'bg-dark text-light border-light' : '' }}" rows="4" placeholder="Tulis pes
32             </div>
33
34             <button type="submit" class="btn btn-primary">Kirim Pesan</button>
35         </form>
36     </div>
37 </div>
38
```

6. resources/views/profile.blade.php Isi Dengan Code Berikut:

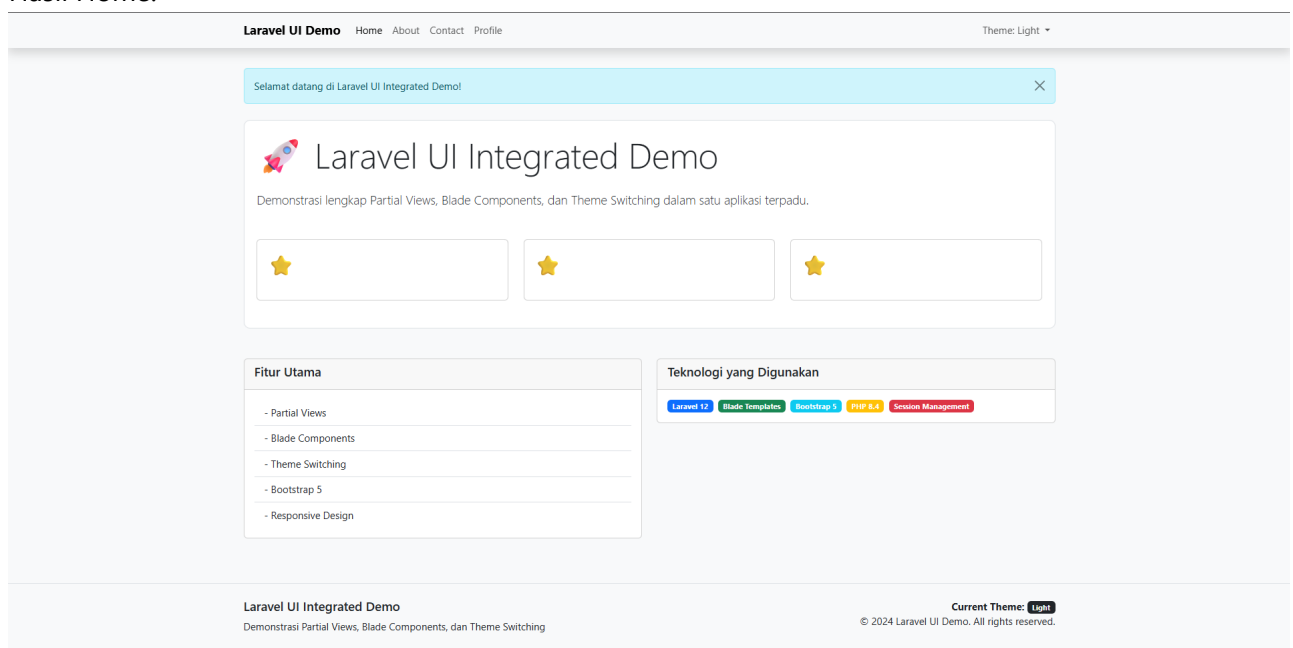
```

resources > views > profile.blade.php
1 @extends('layouts.app')
2
3 @section('title', 'Profile - Theme Demo')
4
5 @section('content')
6 <div class="row">
7 <div class="col-12">
8 <div class="theme-demo {{ $theme === 'dark' ? 'bg-dark border-light' : 'bg-white border' }} mb-4">
9 <h1 class="mb-4">Profile - Theme Demo</h1>
10 <p class="lead">Halaman ini menunjukkan implementasi <strong>Theme Switching</strong> dengan session persistence.</p>
11 </div>
12
13 <div class="row">
14 <div class="col-md-4">
15 <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} text-center">
16 <div class="card-body">
17 <div class="mb-3">
18 <span class="fs-1">👤</span>
19 </div>
20 <h4>{{ $user['name'] }}</h4>
21 <p class="text-muted">{{ $user['email'] }}</p>
22 <p class="text-muted">Bergabung: {{ date('d M Y', strtotime($user['join_date'])) }}</p>
23 </div>
24 </div>
25
26 <div class="col-md-8">
27 <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }}">
28 <div class="card-header">
29 <h5>Preferensi Pengguna</h5>
30 </div>
31 <div class="card-body">
32 <div>Tema Saat Ini:</div>
33 <div class="alert alert-{{ $theme === 'dark' ? 'dark' : 'info' }} d-flex align-items-center">
34 <span class="me-2 fs-4">{{ $theme === 'dark' ? '🌙' : '☀️' }}</span>
35 <div>
36 <strong>Mode {{ ucfirst($theme) }}</strong> -
37 @if($theme === 'dark')
38 Nyaman di malam hari dan mengurangi ketegangan mata.
39 @else
40 Cerah dan jelas, cocok untuk siang hari.
41 @endif
42 </div>
43 </div>
44
45 <div class="mt-4">Preferensi Lainnya:</div>
46 <div class="d-flex flex-wrap gap-2">
47 @foreach($user['preferences'] as $pref)
48 <span class="badge bg-secondary">{{ $pref }}</span>
49 @endforeach
50 </div>
51
52 <div class="mt-4">
53 <div>Ubah Tema:</div>
54 <div class="btn-group" role="group">
55 <a href="{{ route('switch-theme', 'light') }}"
56 class="btn btn-{{ $theme === 'light' ? 'primary' : 'outline-primary' }}">
57 Light Mode
58 </a>
59 <a href="{{ route('switch-theme', 'dark') }}"
60 class="btn btn-{{ $theme === 'dark' ? 'primary' : 'outline-primary' }}">
61 Dark Mode
62 </a>
63 </div>
64 </div>
65 </div>
66 </div>
67 </div>
68 </div>
69 </div>
70 </div>
71 </div>

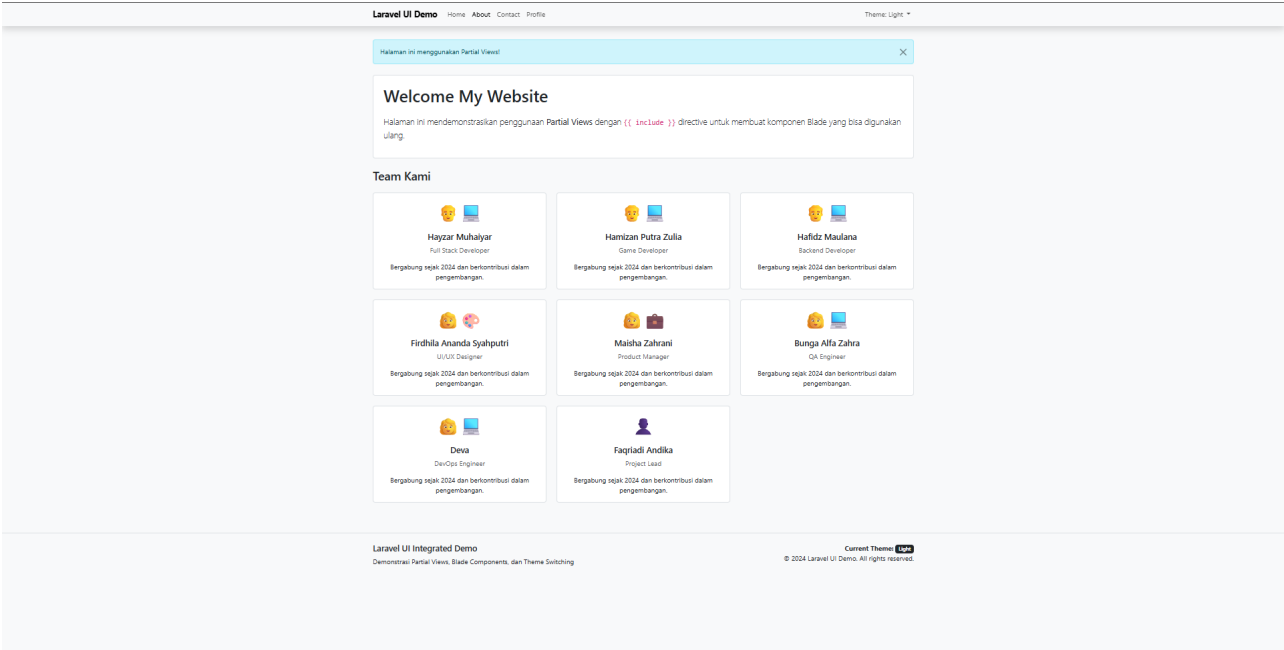
```

Langkah 9: Jalankan Dan Test Aplikasi Jalankan php artisan serve di Terminal Kemudian Buka Browser Dan kunjungi: Home: <http://127.0.0.1:8000> about: <http://127.0.0.1:8000/about> Contact: <http://127.0.0.1:8000/contact> Profile: <http://127.0.0.1:8000/profile> Berikut Gambar hasilnya

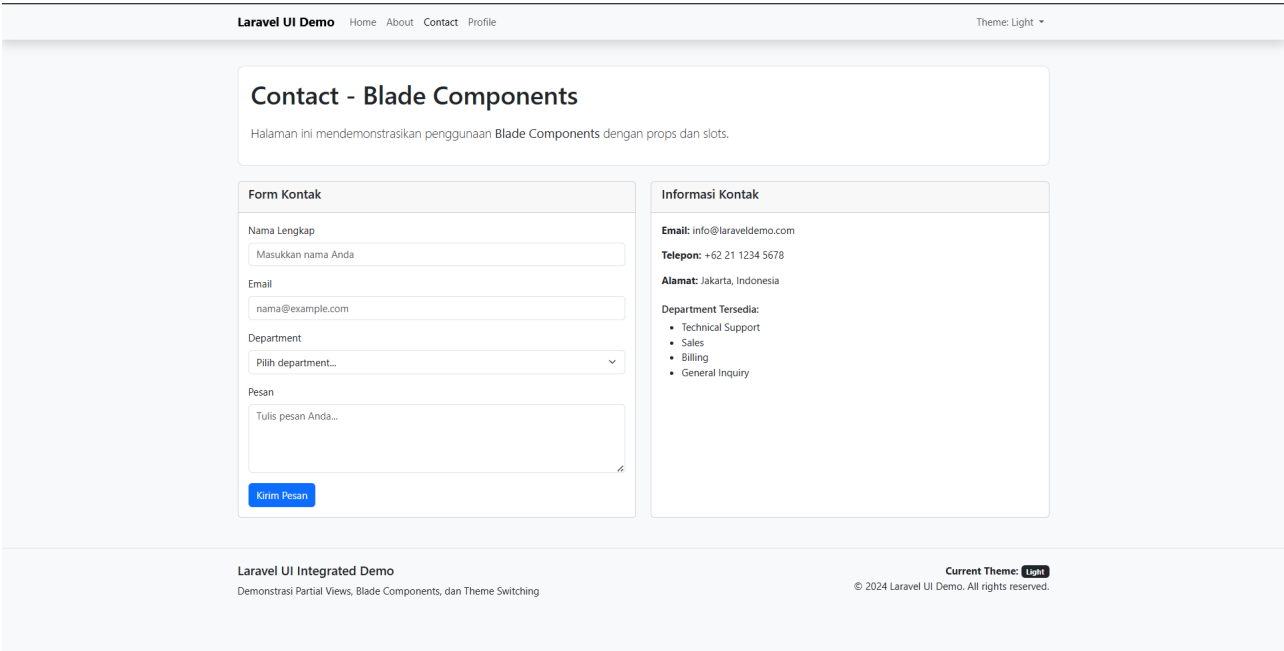
- Hasil Home:



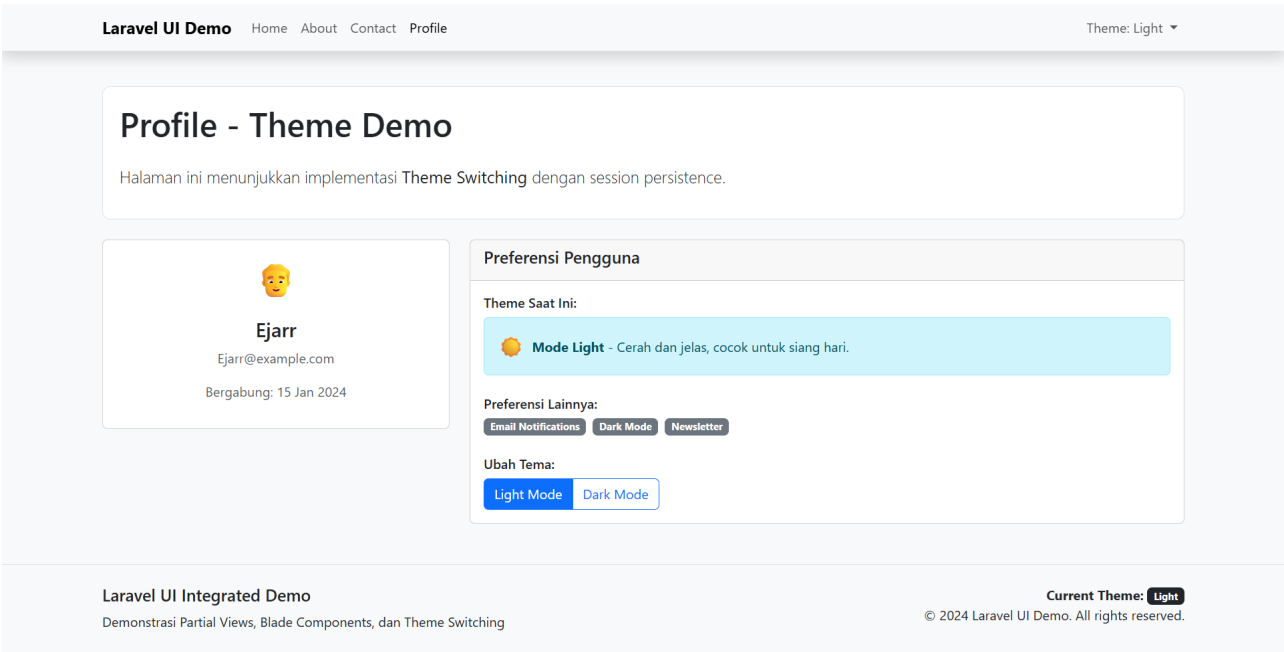
• Hasil About:



• Hasil Contact:



• Hasil Profile:



3. Hasil dan Pembahasan

Jelaskan apa hasil dari praktikum yang dilakukan. Pada Praktikum 4 ini, Anda telah berhasil:

- Membuat aplikasi Laravel lengkap dengan multiple pages
- Mengimplementasikan Partial Views menggunakan @include directive
- Membuat dan menggunakan Blade Components dengan props dan slots
- Mengembangkan sistem Theme Switching dengan session persistence
- Menggunakan Bootstrap 5 untuk responsive design
- Membuat perbandingan langsung antara partial views vs components
- Menerapkan best practices dalam struktur view Laravel

Aplikasi ini menunjukkan bagaimana ketiga konsep (partial views, Blade components, dan theme switching) dapat bekerja bersama dalam satu project yang kohesif dan mudah dipelihara.

4. Kesimpulan

Dari praktikum ini dapat disimpulkan bahwa Blade Template Engine merupakan komponen penting dalam framework Laravel untuk memisahkan logika dan tampilan aplikasi. Beberapa hal penting yang dipelajari antara lain:

- Blade mempermudah pembuatan tampilan dinamis melalui sintaks sederhana.
- Penggunaan layout dan inheritance mempercepat proses pembuatan halaman dengan struktur yang konsisten.
- Partial view dan component meningkatkan efisiensi dan konsistensi kode tampilan.
- Integrasi dengan Bootstrap menjadikan hasil tampilan lebih menarik dan responsif.

Secara keseluruhan, praktikum ini membantu mahasiswa memahami pentingnya arsitektur terstruktur dalam pengembangan aplikasi web modern menggunakan Laravel.

5. Referensi

- chatgpt.com
 - <https://hackmd.io/@mohdrzu/r1AIUzWpII#Praktikum-4---Partial-Views-Blade-Components-dan-Theme-Switching-di-Laravel-12> <https://laravel.com/docs>
-