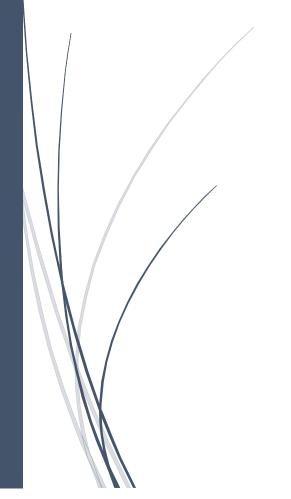
# MODUL LARAVEL

XII RPL



TIARA KUSUMA DEWI

# DAFTAR ISI

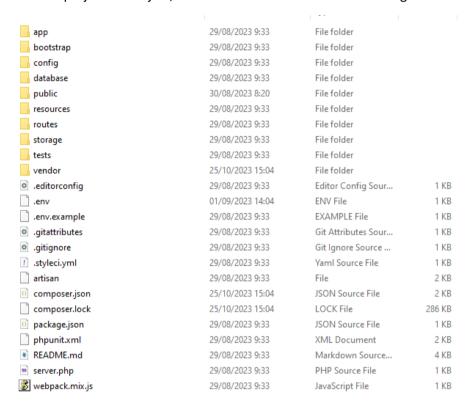
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### MEMULAI PROJEK LARAVEL

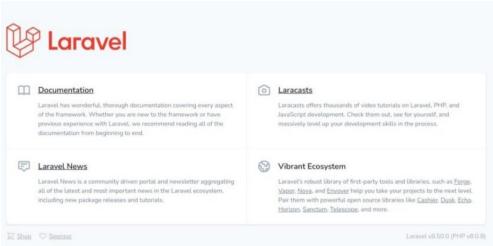
- Download dan install aplikasi Composer pada link dibawah ini https://getcomposer.org/download/
- 2. Jalankan perintah dibawah untuk membuat project Laravel, atau bisa juga mengacu ke documentation Laravel pada https://laravel.com/docs/

composer create-project laravel/laravel laravelpost

3. Jika project sudah jadi, maka akan muncul file dan folder dengan struktur seperti dibawah

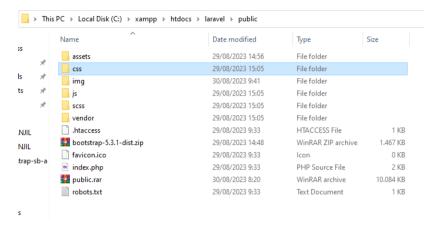


4. Jalankan aplikasi menggunakan script "php artisan serve", lalu ctrl+klik pada IP yang tersedia. Atau jalankan url laravelpost.test



### MEMBUAT PAGE TAMPILAN BARU DI LARAVEL

- 1. Buka aplikasi vscode dan buka folder pada project Laravel yang sudah dibuat.
- 2. Download folder assets, css, img, js yang telah disediakan dan letakkan pada folder "public".



3. Letakkan gambar yang tersedia kedalam folder img



4. Buka folder routes/web.php untuk membuat rute link yang ingin dituju

```
Route::get('/about', function () {
  return view('about',[
    "title" =>'About',
    "active"=>'about',
    "name" => "Lulu Kumulu",
    "email" => "lulukumulu@gmail.com",
    "image" => "user2.png"
  ]);
});
```

5. Buka folder resource/view dan buat folder dengan nama layout, dan buat file dengan nama main.blade.php didalam folder tersebut

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

```
<meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <meta name="description" content="">
  <meta name="author" content="">
  <title>Web Blog</title>
  <!-- Custom fonts for this template-->
  <link href="{{asset('vendor/fontawesome-free/css/all.min.css')}}" rel="stylesheet"</pre>
type="text/css">
  k
href="{{asset('https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,6
00i,700,700i,800,800i,900,900i')}}"
    rel="stylesheet">
  <!-- Custom styles for this template-->
  <link href="{{asset('css/sb-admin-2.min.css')}}" rel="stylesheet">
  <!-- Boostrap icons -->
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-</pre>
icons@1.11.1/font/bootstrap-icons.css">
  <!-- Boostrap -->
  k href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
T3c6Coli6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
crossorigin="anonymous">
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"</pre>
integrity="sha384-
C6RzsynM9kWDrMNeT87bh95OGNyZPhcTNXj1NW7RuBCsyN/o0jlpcV8Qyq46cDfL"
crossorigin="anonymous"></script>
</head>
<body id="page-top">
  <!-- Page Wrapper -->
```

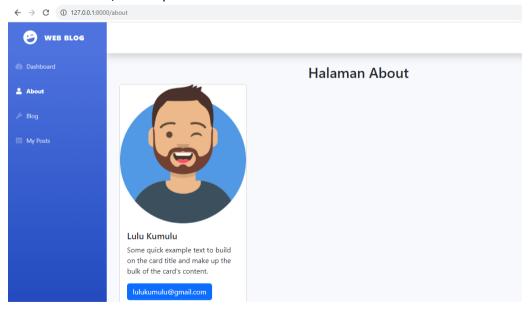
```
<div id="wrapper">
   <!-- Sidebar -->
   id="accordionSidebar">
    < -- Sidebar - Brand -->
    <a class="sidebar-brand d-flex align-items-center justify-content-center"
href="/dashboard">
      <div class="sidebar-brand-icon rotate-n-15">
       <i class="fas fa-laugh-wink"></i>
      </div>
      <div class="sidebar-brand-text mx-3">Web Blog</div>
    </a>
    <!-- Divider -->
    <hr class="sidebar-divider my-0">
    <!-- Nav Item - Dashboard -->
    <a class="nav-link" href="/dashboard">
       <i class="fas fa-fw fa-tachometer-alt"></i>
       <span>Dashboard</span></a>
    <a class="nav-link" href="/about">
       <i class="fas fa-fw fa-user"></i>
       <span>About</span></a>
    <a class="nav-link" href="/posts">
       <i class="fas fa-fw fa-wrench"></i>
       <span>Blog</span></a>
```

```
<a class="nav-link" href="/dashboard/post">
          <i class="fas fa-fw fa-table"></i>
          <span>My Posts</span></a>
      <!-- Content Wrapper -->
    <div id="content-wrapper" class="d-flex flex-column">
      <!-- Main Content -->
      <div id="content">
        <div class="container mt-4">
          @yield('container')
        </div>
      </div>
    </div>
  <!-- Bootstrap core JavaScript-->
  <script src="{{asset('vendor/jquery/jquery.min.js')}}"></script>
  <script src="{{asset('vendor/bootstrap/js/bootstrap.bundle.min.js')}}"></script>
  <!-- Core plugin JavaScript-->
  <script src="{{asset('vendor/jquery-easing/jquery.easing.min.js')}}"></script>
  <!-- Custom scripts for all pages-->
  <script src="{{asset('js/sb-admin-2.min.js')}}"></script>
  <script src="https://unpkg.com/feather-icons"></script>
  <script>
  feather.replace();
  </script>
</body>
</html>
```

6. Tambahkan file dengan nama about.blade.php pada resource/view denga nisi sebagai berikut

@endsection

7. Jalankan aplikasi menggunakan script "php artisan serve", lalu ctrl+klik pada IP yang tersedia. Lalu tambahkan "/about" pada browser.



### Task 1:

1. BUATLAH 1 MENU DAN PAGE YANG BERISI TABLE BEBAS DAN TAMPILKAN!

### MEMBUAT DATABASE MENGGUNAKAN LARAVEL

1. Untuk mengkoneksikan database dengan Laravel kita harus menuliskan nama database yang kita punya pada file .env

```
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:M19ztZpHaQ9KDfpwVQXyHBmIJngOKbYOMkyJL/r5Dhg=
4 APP_DEBUG=true
5 APP_URL=http://lat-laravel.test/
6
7 LOG_CHANNEL=stack
8 LOG_DEPRECATIONS_CHANNEL=null
9 LOG_LEVEL=debug
10
11 DB_CONNECTION=mysql
12 DB_HOST=127.0.0.1
13 DB_PORT=3306
14 DB_DATABASE=blogging
15 DB_USERNAME=root
16 DB_PASSWORD=
17
```

2. Klik tab Extention pada vscode. Lalu cari dan download ekstensi Laravel Artisan dan PHP Namespace.



- 3. Buka folder database/migration. Didalam folder tersebut akan ditemukan beberapa file migration yang akan berguna untuk membuat struktur database dan tabel otomatis dari Laravel tanpa berhubungan langsung dengan DBMS.
- 4. Ketikkan perintah "php artisan migrate:fresh" pada terminal untuk membuat database dan tabel sesuai default.
- 5. Gunakan shortcut CTRL+SHIFT+P lalu ketikkan migration->create posts table->Yes->posts.
- 6. Lalu tunggu hingga proses selesai. Tambahkan perintah struktur tabel seperti dibawah ini.

```
public function up()
{
    Schema::create('posts', function (Blueprint $table) {
        $table->id();
        $table->foreignId('category_id');
        $table->foreignId('user_id');
        $table->string('title');
        $table->string('slug')->unique;
        $table->text('excerpt');
        $table->text('body');
        $table->timestamp('published_at')->nullable();
        $table->timestamps();
    });
}
```

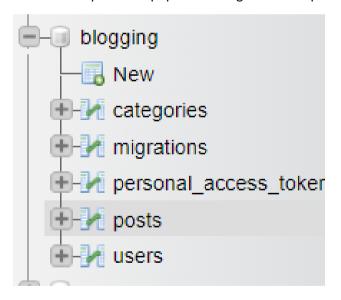
7. Selain posts, buat juga migration table users dengan struktur seperti ini

```
public function up()
{
    Schema::create('users', function (Blueprint $table) {
        $table->id();
        $table->string('name');
        $table->string('username');
        $table->string('email')->unique();
        $table->timestamp('email_verified_at')->nullable();
        $table->string('password');
        $table->rememberToken();
        $table->timestamps();
    });
}
```

8. Dan juga migration categories dengan struktur dibawah ini.

```
public function up()
{
    Schema::create('categories', function (Blueprint $table) {
        $table->id();
        $table->string('name')->unique();
        $table->string('slug')->unique();
        $table->timestamps();
    });
}
```

9. Ketikkan perintah "php artisan migrate:fresh" pada terminal.



- 10. Silahkan isi tabel2 berikut dengan contoh isian seperti dibawah ini
  - Table categories

id	name	slug	created_at	updated_at
1	Web Programming	web-programming	NULL	NULL
2	Android	android	NULL	NULL
3	Personal	personal	NULL	NULL
4	Daily Project	daily-project	NULL	NULL

- Table posts (user\_id dikosongkan saja terlebih dahulu)

id	category_id	user_id	title	slug	excerpt	body	publish
1	1	12	Judul Tulisan Pertama	judul- tulisan- pertama	Halooo ini adalah teks artikel tulisan pertama.	Halooo ini adalah teks artikel tulisan pertama. Lo	NULL
2	2	11	Judul Tulisan Kedua	judul- tulisan- kedua	Halooo ini adalah teks artikel tulisan kedua.	Halooo ini adalah teks artikel tulisan kedua. LoLo	NULL
3	1	10	Judul Tulisan Ketiga	judul- tulisan- ketiga	Halooo ini adalah teks artikel tulisan ketiga.	Halooo ini adalah teks artikel tulisan ketiga. LoL	NULL
4	3	12	Judul Tulisan Keempat	judul- tulisan- kempat	Halooo ini adalah teks artikel tulisan keempat.	Halooo ini adalah teks artikel tulisan keempat. Lo	NULL
5	4	11	test 123	test-123	Lorem ipsum dolor sit amet, consectetur adipiscing	Lorem ipsum dolor sit amet, consectetur adipiscing	NULL
8	3	11	post baru nih	post- baru-nih	Post baru nih. Lorem ipsum dolor sit amet, consect	Post baru nih. Lorem ipsum dolor sit amet, consect	NULL

# MENAMPILKAN TABLE POST MENGGUNAKAN LARAVEL

1. Buat file dengan nama posts.blade.php pada resource/view dengan isi sebagai berikut

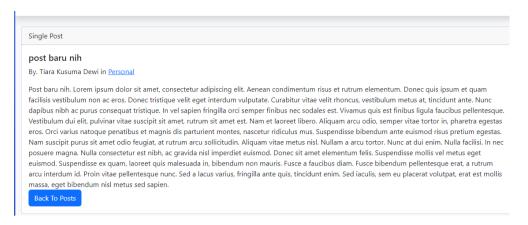
```
<?= $post->excerpt; ?>
  <!-- <a href="/posts/{{$post['slug']}}" class="btn btn-primary">Read More</a> -->
  <a href="/posts/{{$post->slug}}" class="btn btn-primary">Read More</a>
</div>
</div>
<br>
@endforeach
@endsection
2. Buat file dengan nama post.blade.php dengan isi sebagai berikut
@extends('layout.main')
@section('container')
<div class="card">
<div class="card-header">
{{$title}}
 </div>
 <div class="card-body">
  <h5 class="card-title"><?= $post->title; ?></h5>
 <!-- <?= $post["body"]; ?><br>-->
  {!! $post->body !!}<br>
  <a href="../posts" class="btn btn-primary">Back To Posts</a>
</div>
</div>
<br>
@endsection
3. Tambahkan perintah rute berikut pada web.php
Route::get('/posts', [PostController::class,'index']);
Route::get('/posts/{post:slug}', [PostController::class, 'show']);
4. Lalu tambahkan perintah dibawah ini pada bagian atas web.php
use App\Models\Post;
use App\Http\Controllers\PostController;
```

5. Klik CTRL + SHIFT + P, lalu ketik "CONTROLLER"-> enter->PostController untuk membuat controller. Lalu tambahkan script berikut.

```
public function index(){
    return view('posts',[
        "title" => "All Posts",
        "active"=>'posts',
        "posts" =>Post::all()
    ]);
}
public function show(Post $post){
    return view('post',[
        "title" => "Single Post",
        "active"=>'posts',
        "post" => $post
    ]);
}
```

- 6. Lalu tambahkan perintah "use App\Models\Post;" dibagian atas class controllernya.
- 7. Klik CTRL+SHIFT+P, ketik MODEL->Post. Untuk membuat model dengan nama Post. Lalu tambahkan perintah "protected \$guarded=['id'];"
- 8. Buka terminal dan ketikkan "php artisan serve" untuk menjalankan web. Dan tampilan akan muncul sebagai berikut





### Task 2:

1. SILAHKAN IMPLEMENTASIKAN TABLE COMMENTS DENGAN STRUKTUR DIBAWAH DENGAN ALUR YANG SAMA SEPERTI POSTS DAN POST DIATAS!



# MENAMBAHKAN FITUR SEARCH DAN PAGINATION PADA POSTS LARAVEL

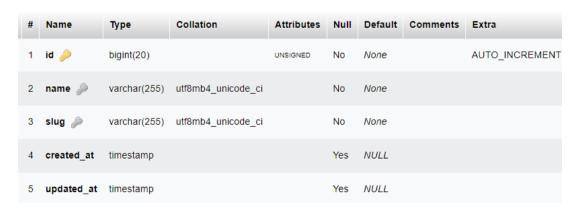
1. Modifikasi file posts.blade.php menjadi seperti dibawah ini:

```
</div>
  </form>
</div>
</div>
@foreach($posts as $post)
<div class="card">
<div class="card-header">
{{$title}}
</div>
 <div class="card-body">
  <h5 class="card-title"><?= $post->title; ?></h5>
  <?= $post->excerpt; ?>
  <!-- <a href="/posts/{{$post['slug']}}" class="btn btn-primary">Read More</a> -->
  <a href="/posts/{{$post->slug}}" class="btn btn-primary">Read More</a>
</div>
</div>
<br>
@endforeach
<div class="d-flex justify-content-end">
{{ $posts->links()}}
</div>
@endsection
   2. Ubah index pada PostController menjadi
public function index(){
    // dd(request('search'));
    return view('posts',[
      "title" => "All Posts",
      "active"=>'posts',
      // "posts" =>Post::latest()->filter(request(['search']))->get(),
```

```
"posts" =>Post::latest()->filter(request(['search']))->paginate(2)->withQueryString()
    ]);
  }
    3. Tambahkan function scopeFilter pada model Post.php
public function scopeFilter($query, array $filters)
  {
    $query->when($filters['search'] ?? false, function ($query, $search){
      return $query->where('title','like','%'.$search.'%')
      ->orWhere('body','like','%'.$search.'%');
    });
  }
    4. Tambahkan script pada Providers/AppProvider.php
use Illuminate\Pagination\Paginator;
public function boot()
  {
    Paginator::useBootstrap();
  }
```

### MENAMBAHKAN CATEGORIES PADA POST

1. Buat table bernama categories dengan struktur seperti dibawah ini:



2. Lalu isi tabel tersebut dengan data sebagai berikut, selain itu pastikan juga field category\_id pada tabel post sudah terisi

id	name	slug	created_at	updated_at
1	Web Programming	web-programming	NULL	NULL
2	Android	android	NULL	NULL
3	Personal	personal	NULL	NULL
4	Daily Project	daily-project	NULL	NULL

3. Tambahkan route pada web dibawah ini

```
Route::get('categories', function(){
    return view('categories',[
      'title'=>'Post Categories',
      'posts'=>Category::all()
    ]);
  });
  Route::get('categories/{category:slug}', function(Category $category){
    return view('category',[
      'title'=>$category->name,
      'posts'=>$category->posts,
      'category'=>$category->name
    ]);
  });
4. Buat model dengan nama Category.php dengan isi model seperti ini
use HasFactory;
  protected $guarded = ['id'];
  public function posts()
  {
    return $this->hasMany(Post::class);
  }
```

5. Buat file dengan nama category.blade.php yang berisi

```
@extends('layout.main')
@section('container')
<h3> Post Category : {{$category}}</h3>
<div class="row row-cols-1 row-cols-md-2 g-4">
 <div class="col">
 @foreach($posts as $post)
  <div class="card">
   <!-- <img src="..." class="card-img-top" alt="..."> -->
   <div class="card-body">
    <h5 class="card-title">
     <a href="/posts/{{ $post->slug }}">{{$post->title}}</a>
    </h5>
    {{ $post->excerpt }}
   </div>
  </div><br>
@endforeach
</div>
</div>
@endsection
```

### Task 3:

1. TAMBAHKAN FITUR SEARCH, PAGINATION DAN CATEGORY PADA FIELD COMMENTS DAN TAMPILKAN!

### MEMBUAT FITUR LOGIN DAN REGISTER PADA LARAVEL

1. Tambahkan perintah dibawah pada web.php

```
Route::post('/login', [LoginController::class,'authenticate']);

Route::post('/register', [RegisterController::class,'store']);

Route::group(['middleware' => ['guest']],function() {

Route::get('/login', [LoginController::class,'index'])->name('login');

Route::get('/register', [RegisterController::class,'index']);

});
```

```
Route::get('/logout', [LoginController::class,'logout'])->name('logout');
  Route::get('/dashboard',function() {
    return view('dashboard.index');
  });
2. Tambahkan perintah dibawah diawal file web.php
use App\Http\Controllers\LoginController;
use App\Http\Controllers\RegisterController;
3. Buat controller dengan nama LoginController dan RegisterController
4. Isi file LoginController dengan file dibawah ini
public function index()
 {
    return view('login.index',[
      'title'=>'Login'
    ]);
  }
  public function authenticate(Request $request)
  {
    $credentials = $request->validate([
      'email'=>'required|email:dns',
      'password'=>'required'
    ]);
    if (Auth::attempt($credentials)) {
      $request->session()->regenerate();
      return redirect()->intended('/login');
    }
    return back()->with('loginError','Login Failed!');
  }
  public function logout(Request $request)
  {
    Auth::logout();
    $request->session()->invalidate();
```

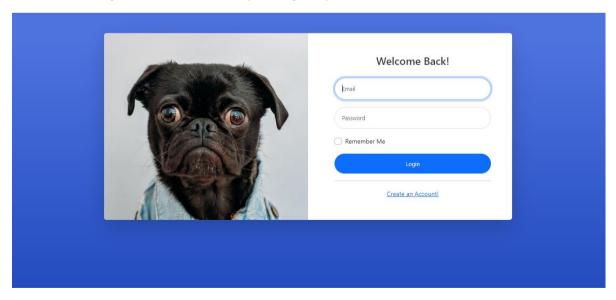
```
$request->session()->regenerateToken();
   return redirect('/');
 }
5. Tambahkan perintah "use Illuminate\Support\Facades\Auth;" pada bagian atas
   LoginController.
6. Buat folder dan file dengan nama login/index.blade.php didalam folder view. Dengan isian
   file sebagai berikut
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="utf-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
 <meta name="description" content="">
 <meta name="author" content="">
 <title>Halaman Login</title>
 <!-- Custom fonts for this template-->
 k
href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,700,
700i,800,800i,900,900i"
   rel="stylesheet">
 <!-- Custom styles for this template-->
 <link href="css/sb-admin-2.min.css" rel="stylesheet">
 k href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
T3c6Coli6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
crossorigin="anonymous">
 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"</pre>
integrity="sha384-
C6RzsynM9kWDrMNeT87bh95OGNyZPhcTNXj1NW7RuBCsyN/o0jlpcV8Qyq46cDfL"
crossorigin="anonymous"></script>
</head>
```

```
<body class="bg-gradient-primary">
  <div class="container">
    <!-- Outer Row -->
    <div class="row justify-content-center">
      <div class="col-xl-10 col-lg-12 col-md-9">
      @if(session()->has('success'))
        <div class="alert alert-light alert-dismissible fade show" role="alert">
         {{ session('success') }}
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-
label="Close"></button>
        </div>
      @endif
      @if(session()->has('loginError'))
        <div class="alert alert-danger alert-dismissible fade show" role="alert">
         {{ session('loginError') }}
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-
label="Close"></button>
        </div>
      @endif
        <div class="card o-hidden border-0 shadow-lg my-5">
           <div class="card-body p-0">
             <!-- Nested Row within Card Body -->
             <div class="row">
               <div class="col-lg-6 d-none d-lg-block bg-login-image"></div>
               <div class="col-lg-6">
                 <div class="p-5">
                    <div class="text-center">
                      <h1 class="h4 text-gray-900 mb-4">Welcome Back!</h1>
                    </div>
                    <form class="user" action="/login" method="post">
                    @csrf
```

```
<div class="form-group">
                       <input name="email" type="email" class="form-control form-control-
user @error('email') is-invalid @enderror"
                         id="exampleInputEmail" aria-describedby="emailHelp"
                         placeholder="Email" autofocus required>
                         @error('email')
                       <div class="invalid-feedback">
                         {{ $message }}
                       </div>
                       @enderror
                     </div>
                     <div class="form-group">
                       <input name="password" type="password" class="form-control form-
control-user"
                         id="exampleInputPassword" placeholder="Password" required>
                     </div>
                     <div class="form-group">
                       <div class="custom-control custom-checkbox small">
                         <input type="checkbox" class="custom-control-input"
id="customCheck">
                         <label class="custom-control-label" for="customCheck">Remember
                           Me</label>
                       </div>
                     </div>
                     <button class="btn btn-primary btn-user btn-block">
                       Login
                     </button>
                   </form>
                   <hr>
                   <div class="text-center">
                     <a class="small" href="/register">Create an Account!</a>
```

```
</div>
                 </div>
               </div>
             </div>
           </div>
        </div>
      </div>
    </div>
  </div>
  <!-- Bootstrap core JavaScript-->
  <script src="vendor/jquery/jquery.min.js"></script>
  <script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
  <!-- Core plugin JavaScript-->
  <script src="vendor/jquery-easing/jquery.easing.min.js"></script>
  <!-- Custom scripts for all pages-->
  <script src="js/sb-admin-2.min.js"></script>
</body>
</html>
```

7. Coba running dan akan muncul tampilan login seperti dibawah ini



8. Isi file RegisterController dengan file dibawah ini public function index()

```
{
    return view('register.index',[
      'title' => 'Register',
      'active' => 'register'
    ]);
  }
  public function store(Request $request)
  {
    $validatedData=$request->validate([
      'name'=>'required|max:255',
      'username'=>['required','min:3','max:255','unique:users'],
      'email'=>'required|email|unique:users|email:dns',
      'password'=>'required|min:5|max:255'
    ]);
    $validatedData['password']=Hash::make($validatedData['password']);
    User::create($validatedData);
    return redirect('/login')->with('success','Registration Successfull!! Please Login');
9. Tambahkan perintah "use App\Models\User;" dan "use Illuminate\Support\Facades\Hash;"
   pada awal RegisterController.
10. Buat folder dan file dengan nama register/index.blade.php didalam folder view dengan isi
   file sebagai berikut
   <!DOCTYPE html>
   <html lang="en">
   <head>
      <meta charset="utf-8">
      <meta http-equiv="X-UA-Compatible" content="IE=edge">
      <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
      <meta name="description" content="">
      <meta name="author" content="">
      <title>Register</title>
      <!-- Custom fonts for this template-->
      k href="vendor/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
      k
   href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,
   700,700i,800,800i,900,900i"
        rel="stylesheet">
```

```
<!-- Custom styles for this template-->
  <link href="css/sb-admin-2.min.css" rel="stylesheet">
</head>
<body class="bg-gradient-primary">
  <div class="container">
    <div class="card o-hidden border-0 shadow-lg my-5">
      <div class="card-body p-0">
        <!-- Nested Row within Card Body -->
        <div class="row">
          <div class="col-lg-5 d-none d-lg-block bg-register-image"></div>
          <div class="col-lg-7">
             <div class="p-5">
               <div class="text-center">
                 <h1 class="h4 text-gray-900 mb-4">Create an Account!</h1>
               <form action="/register" method="POST" class="user">
                 @csrf
                 <div class="form-group">
                     <input type="text" name="name" class="form-control form-control-
user @error('name') is-invalid @enderror" id="exampleFirstName" placeholder="Name"
required value="{{ old('name') }}">
                       @error('name')
                       <div class="invalid-feedback">
                          {{ $message }}
                       </div>
                        @enderror
                 </div>
                 <div class="form-group">
                     <input type="text" name="username" class="form-control form-
control-user @error('username') is-invalid @enderror" id="exampleFirstName"
placeholder="Username" required value="{{ old('username') }}">
                       @error('username')
                       <div class="invalid-feedback">
                          {{ $message }}
                       </div>
                        @enderror
                 </div>
                 <div class="form-group">
                   <input type="email" name="email" class="form-control form-control-
user @error('email') is-invalid @enderror" id="exampleInputEmail" placeholder="Email
Address" required value="{{ old('email') }}">
                     @error('email')
                       <div class="invalid-feedback">
                          {{ $message }}
                       </div>
                        @enderror
                 </div>
                 <div class="form-group">
```

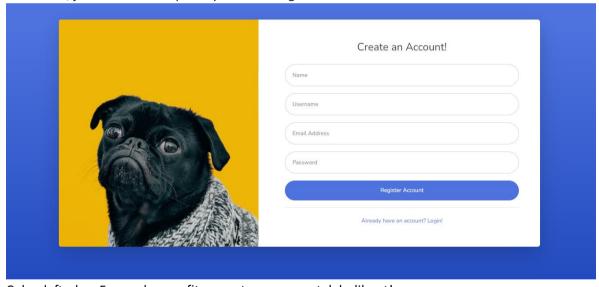
```
<input type="password" name="password" class="form-control form-
   control-user @error('password') is-invalid @enderror"
                            id="exampleInputPassword" placeholder="Password" required
   value="{{ old('password') }}">
                            @error('password')
                            <div class="invalid-feedback">
                              {{ $message }}
                            </div>
                            @enderror
                     </div>
                     <button class="btn btn-primary btn-user btn-block">
                       Register Account
                     </button>
                   </form>
                   <hr>
                   <div class="text-center">
                     <a class="small" href="/login">Already have an account? Login!</a>
                 </div>
              </div>
            </div>
          </div>
        </div>
      </div>
      <!-- Bootstrap core JavaScript-->
      <script src="vendor/jquery/jquery.min.js"></script>
      <script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
      <!-- Core plugin JavaScript-->
      <script src="vendor/jquery-easing/jquery.easing.min.js"></script>
      <!-- Custom scripts for all pages-->
      <script src="js/sb-admin-2.min.js"></script>
   </body>
   </html>
11. Buka file user.php pada model dan modifikasi script sebagai berikut
class user extends Authenticatable
  use HasFactory;
  protected $table = 'users';
  protected $hidden = [
    'password',
    'remember token'
  ];
```

```
// protected $fillable = [
    // 'name',
    // 'username',
    // 'email',
    // 'password'
    // ];

protected $guarded=['id'];

protected $casts = [
    'email_verified_at' => 'datetime'
    // ,'password' => 'hashed'
];
}
```

12. Jika sudah, jalankan dan tampilannya akan sebagai berikut



- 13. Coba daftarkan 5 user dengan fitur create user yang telah dibuat!
- 14. Tambahkan perintah dibawah pada file layout/main.blade.php

```
<!-- Content Wrapper -->

<div id="content-wrapper" class="d-flex flex-column">

<!-- Main Content -->

<div id="content">

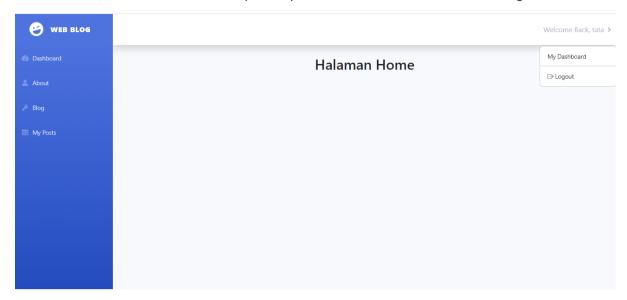
<!-- Topbar -->
```

```
<nav class="navbar navbar-expand navbar-light bg-white topbar mb-4 static-top
shadow">
       ul class="navbar-nav ml-auto">
       @auth
       <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-
toggle="dropdown" aria-expanded="false">
           Welcome Back, {{ auth()->user()->name}}
         </a>
         <a class="dropdown-item" href="/dashboard">My Dashboard</a>
           <hr class="dropdown-divider">
           <form action="{{route('logout')}}" action="GET">
            @csrf
            <button type="submit" class="dropdown-item">
            <i class="bi bi-box-arrow-right"></i> Logout</a>
           </form>
           @else
           <a href="/login" class="nav-link">
            <i class="bi bi-box-arrow-in-right"></i> Login</a>
           @endauth
       </nav>
       <div class="container mt-4">
         @yield('container')
       </div>
     </div>
```

```
</div>
```

15. Buat folder dan file dengan nama dashboard/index.blade.php didalam folder view dengan isi @extends('layout.main') @section('container') <span align="center" ><h2>Halaman Dashboard</h2></span> <form class="d-none d-sm-inline-block form-inline mr-auto ml-md-3 my-2 my-md-0 mw-100 navbar-search"> </form> @endsection 16. Buka models Users.php dan modifikasi file menjadi dibawah ini class user extends Authenticatable { use HasFactory; protected \$table = 'users'; protected \$hidden = [ 'password', 'remember\_token' ]; // protected \$fillable = [ 'name', 'username', 'email', 'password' //]; protected \$guarded=['id']; protected \$casts = [ 'email\_verified\_at' => 'datetime' // ,'password' => 'hashed' ]; }

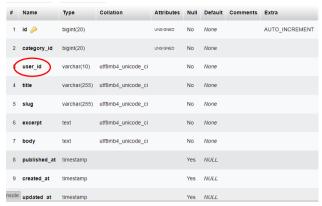
17. Jika sudah, maka akan muncul tampilan seperti dibawah Ketika sudah berhasil login



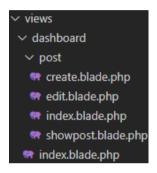
18. Buka file web.php lalu modifikasi semua route menjadi didalam perintah "Route::group(['middleware' => ['auth']],function () { //seluruh route });"

# MEMBUAT FITUR INSERT DAN TAMPIL DATA POSTINGAN

1. Tambahkan field user\_id pada tabel posts dibawah category\_id, lalu isi dengan id yang tersedia pada table users.



2. Buat folder post didalam folder view/dashboard



3. Buat file dengan nama showpost.blade.php dengan isi sebagai berikut

```
@extends('layout.main')
@section('container')
<div class="card">
 <div class="card-header">
 </div>
 <div class="card-body">
  <h5 class="card-title"> {{ $post->title; }}</h5>
    <a href="/dashboard/post" class="btn btn-success"><span data-feather="arrow-
left"></span> Back to all posts</a>
  <a href="/dashboard/post/{{$post->slug}}/edit" class="btn btn-warning"><span data-
feather="edit"></span> Edit</a>
  <form action="/dashboard/post/{{$post->slug}}" method="post" class="d-inline">
   @method('delete')
   @csrf
   <button class="btn btn-danger border-0" onclick="return confirm('Are you sure?')"><span
data-feather="x-circle"></span> Delete</button>
  </form>
  <!-- <?= $post["body"]; ?><br>-->
```

```
<br>
   {!! $post->body !!}
  <br>
 </div>
</div>
<br>
@endsection
4. Buat file dengan nama create.blade.php dengan isi sebagai berikut
@extends('layout.main')
@section('container')
<span align="center" ><h2>Create New Post</h2></span>
<div class="col-lg-8">
<form method="post" action="/dashboard/post">
@csrf
<div class="mb-3">
 <label for="title" class="form-label">Title</label>
 <input type="text" class="form-control @error('title') is-invalid @enderror" id="title"
name="title" required autofocus value="{{ old('title')}}">
 @error('title')
 <div class="invalid-feedback">
  {{$message}}
 </div>
 @enderror
</div>
<div class="mb-3">
 <label for="slug" class="form-label">Slug</label>
 <input type="text" class="form-control @error('slug') is-invalid @enderror" id="slug"
name="slug" required value="{{ old('slug')}}">
 @error('slug')
 <div class="invalid-feedback">
  {{$message}}
 </div>
```

```
@enderror
</div>
<div class="mb-3">
<label for="category" class="form-label">Category</label>
 <select name="category_id" id="category_id" class="form-select">
 @foreach($categories as $category)
  <option value="{{$category->id}}">{{$category->name}}</option>
  @endforeach
 </select>
</div>
<div class="mb-3">
<label for="body" class="form-label">Body</label>
<textarea name="body" id="body" class="form-control" cols="10" rows="5" value="{{
old('body')}}"></textarea>
 @error('body')
{{$message}}
 @enderror
</div>
<button type="submit" class="btn btn-primary">Create Post</button>
</form>
</div>
<script>
const title = document.querySelector('#title');
const slug = document.querySelector('#slug');
title.addEventListener('change',function(){
fetch('/dashboard/post/checkSlug?title=' + title.value)
 .then(response=>response.json())
.then(data=>slug.value=data.slug)
});
</script>
@endsection
```

5. Buat file dengan nama index.blade.php dengan isi sebagai berikut

```
@extends('layout.main')
@section('container')
 <h2>My Posts</h2>
 @if(session()->has('success'))
 <div class="alert alert-success" role="alert">
   {{session('success')}}
 </div>
 @endif
 <div class="table-responsive col-lg-8">
 <a href="/dashboard/post/create" class="btn btn-primary mb-3">Create new post</a>
 <thead>
 #
  Title
  Category
  Action
 </thead>
@foreach ($posts as $post)
 {{ $loop->iteration }}
  {{$post->title}}
  {{$post->category->name}}
  <a href="/dashboard/post/{{$post->slug}}" class="badge bg-info"><span data-
feather="eye"></span></a>
   <a href="/dashboard/post/{{$post->slug}}/edit" class="badge bg-warning"><span data-
feather="edit"></span></a>
   <form action="/dashboard/post/{{$post->slug}}" method="post" class="d-inline">
```

```
@method('delete')
     @csrf
     <button class="badge bg-danger border-0" onclick="return confirm('Are you sure?')"><span
data-feather="x-circle"></span></button>
    </form>
   @endforeach
</div>
@endsection
   6. Buka file web.php, lalu tambahkan route didalam group auth sebagai berikut
Route::get('/dashboard/post/checkSlug', [TabPostController::class, 'checkSlug']);
Route::resource('/dashboard/post',TabPostController::class);
   7. Tambahkan perintah pada bagian atas web.php dengan
   use App\Http\Controllers\TabPostController;
   8. Buat controller dengan nama TabPostController.php dengan tipe "Resource" tanpa harus
       membuat model. Lalu isi file pada bagian public class index nya sebagai berikut
   public function index()
     {
        return view('dashboard.post.index',[
          'posts'=> Post::where('user_id', auth()->user()->id)->get()
        ]);
     }
   9. Tambahkan public class create nya menjadi seperti ini
   public function create()
     {
        return view('dashboard.post.create',[
          'categories'=>Category::all()
        ]);
     }
```

```
10. Tambahkan public class store nya menjadi seperti ini
public function store(Request $request)
 {
    $validatedData=$request->validate([
      'title'=>'required|max:255',
      'slug'=>'required|unique:posts',
      'category id'=>'required',
      'body'=>'required'
    ]);
    $validatedData['user id']=auth()->user()->id;
    $validatedData['excerpt']=Str::limit(strip tags($request->body), 200);
    Post::create($validatedData);
    return redirect('/dashboard/post')->with('success','New Post has been added!');
  }
11. Tambahkan public function view nya menjadi seperti ini
public function show(Post $post)
 {
    return view('dashboard.post.showpost',[
      'post'=>$post
    ]);
  }
12. Tambahkan public function checkSlug pada bagian bawah dengan script seperti ini
public function checkSlug(Request $request)
 {
    $slug = SlugService::createSlug(Post::class,'slug',$request->title);
    return response()->json(['slug'=>$slug]);
  }
13. Tambahkan perintah dibawah pada bagian atas TabPostController
use App\Models\Post;
use App\Models\Category;
use \Cviebrock\EloquentSluggable\Services\SlugService;
```

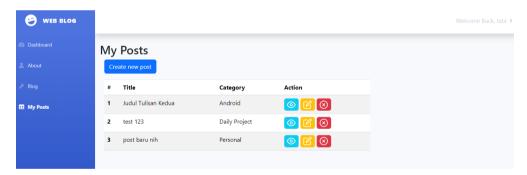
```
use Illuminate\Support\Str;
```

14. Buka file model Post.php dan tambahkan script dibawah ini

```
public function getRouteKeyName(){
    return 'slug';
}

public function sluggable(): array{
    return[
        'slug'=>[
            'source'=>'title'
      ]
];
}
```

- 15. Tambahkan script "use Cviebrock\EloquentSluggable\Sluggable;" pada bagian atas Post.php
- 16. Jalankan perintah "composer require cviebrock/eloquent-sluggable" hingga berhasil
- 17. Tambahkan perintah ", Sluggable" disamping HasFactory pada model post.php.
- 18. Jika sudah, coba jalankan kode program sehingga muncul tampilan data postingan sebagai berikut



### Task 4:

1. Buatlah fitur tampil dan insert pada tabel Comments

### MEMBUAT FITUR EDIT DAN DELETE DATA PADA POSTINGAN

1. Pada folder dashboard/post buat file dengan nama edit.blade.php dengan isi sebagain berikut

```
@section('container')
<span align="center" ><h2>Edit Post</h2></span>
<div class="col-lg-8">
```

@extends('layout.main')

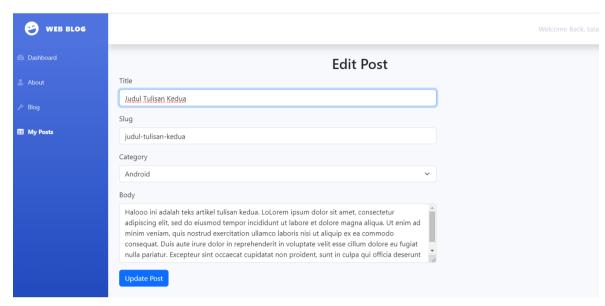
```
<form method="post" action="/dashboard/post/{{$post->slug}}">
 @method('put')
@csrf
<div class="mb-3">
<label for="title" class="form-label">Title</label>
<input type="text" class="form-control @error('title') is-invalid @enderror" id="title"
name="title" required autofocus value="{{ old('title', $post->title)}}">
 @error('title')
 <div class="invalid-feedback">
  {{$message}}
 </div>
 @enderror
</div>
<div class="mb-3">
<label for="slug" class="form-label">Slug</label>
 <input type="text" class="form-control @error('slug') is-invalid @enderror" id="slug"
name="slug" required value="{{ old('slug', $post->slug)}}">
 @error('slug')
 <div class="invalid-feedback">
 {{$message}}
 </div>
 @enderror
</div>
<div class="mb-3">
 <label for="category" class="form-label">Category</label>
 <select name="category_id" id="category_id" class="form-select">
 @foreach($categories as $category)
  @if(old('category_id',$post->category_id)==$category->id)
  <option value="{{$category->id}}" selected>{{$category->name}}</option>
  @else
  <option value="{{$category->id}}">{{$category->name}}</option>
  @endif
```

```
@endforeach
 </select>
</div>
<div class="mb-3">
<label for="body" class="form-label">Body</label>
 <textarea name="body" id="body" class="form-control" cols="10" rows="5">{{ old('body',
$post->body)}}</textarea>
 @error('body')
 {{$message}}
 @enderror
</div>
<button type="submit" class="btn btn-primary">Update Post</button>
</form>
</div>
<script>
const title = document.querySelector('#title');
const slug = document.querySelector('#slug');
title.addEventListener('change',function(){
fetch('/dashboard/post/checkSlug?title=' + title.value)
 .then(response=>response.json())
 .then(data=>slug.value=data.slug)
});
</script>
@endsection
2. Buka file TabPostController.php lalu tambahkan script pada public function edit
public function edit(Post $post)
  {
```

```
return view('dashboard.post.edit',[
      'post'=>$post,
      'categories'=>Category::all()
    ]);
  }
3. Tambahkan script pada public function update
public function update(Request $request, Post $post)
 {
    $rules=[
      'title'=>'required|max:255',
      'category_id'=>'required',
      'body'=>'required'
    ];
    if($request->slug != $post->slug){
      $rules['slug'] = 'required|unique:posts';
    }
    $validatedData = $request->validate($rules);
    $validatedData['user_id']=auth()->user()->id;
    $validatedData['excerpt']=Str::limit(strip_tags($request->body), 200);
    Post::where('id',$post->id)
    ->update($validatedData);
    return redirect('/dashboard/post')->with('success','Post has been updated!');
  }
4. Tambahkan script pada public function destroy
public function destroy(Post $post)
  {
    Post::destroy($post->id);
```

return redirect('/dashboard/post')->with('success','Post has been deleted!');

5. Jika sudah, silahkan jalankan kode program dan coba fitur edit dan hapusnya



## Task 5:

}

1. Tambahkan fitur update dan delete pada tabel Comments