Tugas Besar Pemrograman Web Lanjut

Web Artikel

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PENDAHULUAN KONSEP

Saya membuat web artikel dengan nama Artikel Fela. Dalam web berisi sebagai berikut :

1) Halaman Home

Menampilkan 2 artikel unggulan.

2) Halaman Post

Menampilkan semua artikel yang telah diposting oleh user.

3) Halaman Create dan Update

Menampilkan form yang mirip digunakan untuk membuat artikel baru ataupun mengeditnya.

4) Halaman Login

Menampilkan form yang digunakan untuk menginputkan username dan password.

5) Halaman Register

Menampilkan form yang digunakan untuk menginputkan nama, email, username, dan password beserta verivikasinya.

Pembahasan

1. Membuat projek , sebelumnya pastikan sudah menginstall composer. Lalu intall node js. Setelah itu buat projek dengan perintah `create-project --prefer=dist lsravel/laravel:^7.25 laravelfela` pada cmd di windos

2. Buat database dengan nama laravel(sesuaikan dengan database) di phpmyadmin

```
9   DB_CONNECTION=mysql
10  DB_HOST=127.0.0.1
11  DB_PORT=3306
12  DB_DATABASE=laravel
13  DB_USERNAME=root
14  DB_PASSWORD=
```

3. Membuat model Post, PostController, tabel post, PostFactory, dengan perintah
   `Php artisan make:model Post -mc`

4. Buat atribut pada tabel post

```php
public function up()
{
    Schema::create('posts', function (Blueprint $table) {
        $table->bigIncrements('id');
        $table->foreignId('user_id');
        $table->string('thumbnail')->nullable();
        $table->string('title');
        $table->string('slug');
        $table->text('body');
        $table->timestamps();
    });
}
```

Ubah atribut pada tablel user yang telah ada dari bawaan laravel

```php
Schema::create('users', function (Blueprint $table) {
    $table->id();
    $table->string('name');
    $table->string('username', 25);
    $table->string('email')->unique();
    $table->timestamp('email_verified_at')->nullable();
    $table->string('password');
    $table->rememberToken();
    $table->timestamps();
});
```

5. Kemudian refresh dengan perintah
   `Php artisan migrate`

6. Buat fungsi pada HomeController

```php
class HomeController extends Controller
{
    public function index()
    {
        $posts = Post::take(2)->get();
        return view('home', ['posts' => $posts]);
    }
}
```

7. Buat fungsi pada PostController

```php
class PostController extends Controller
{
    public function __construct()
    {
        $this->middleware('auth')->except(['index', 'show']);
    }
    public function index()
    {
        $posts = Post::latest()->paginate(4);
        return view('posts.index', ['posts' => $posts]);
    }

    public function show(Post $post ){
        //$post = Post::where('slug', $post)->first();
        return view('posts.show', compact('post'));
    }

    public function create()
    {
        return view('posts.create', [
            'post' => new Post()
            ]);
    }
    public function store(PostRequest $request)
    {
        //validasi inputan
```

```php
    //validasi inputan
    $request->validate(([
        'thumbnail' => 'image|mimes:jpeg,png,jpg,svg|max:2048'
    ]));

    $attr = $request->all();
    //mengubah judul jadi slug
    $slug = \Str::slug(request('title'));
    $attr['slug'] = $slug;

    if(request()->file('thumbnail')){
        $thumbnail = request()->file('thumbnail') -> store("images/posts");
    }else{
        $thumbnail = null;
    }

    $thumbnail = request()->file('thumbnail');
    $thumbnailUrl = $thumbnail -> storeAs("images/posts","{$slug}.{$thumbnail->extension()}");

    $attr['thumbnail'] = $thumbnailUrl;
    //membuat post baru
    $post = auth()->user()->posts()->create($attr);

    session()->flash('success', 'The post was created');
    return redirect('posts');
}
```

```php
public function edit(Post $post){
    return view('posts.edit', [
        'post' =>$post
        ]);
}

public function update(PostRequest $request, Post $post){

    $this->authorize('update', $post);
    if(request()->file('thumbnail')){
        \Storage::delete($post->thumbnail);
        $thumbnail = request()->file('thumbnail') -> store("images/posts");
    }else{
        $thumbnail = $post->thumbnail;
    }

    $attr = $request->all();
    $attr['thumbnail'] = $thumbnail;
    $post->update($attr);
    session()->flash('success', 'The post was updated');

    return redirect('posts');
}
```

```
public function destroy(Post $post)
{
    $this->authorize('delete', $post);

    \Storage::delete($post->thumbnail);
    $post->delete();
    session()->flash('error', 'The post was delete');
    return redirect('posts');



}
```

8. Buat view app dalam folder layouts

```
<!doctype html>
<html lang="{{ str_replace('_', '-', app()->getLocale()) }}">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CSRF Token -->
    <meta name="csrf-token" content="{{ csrf_token() }}">

    <title>{{ config('app.name', 'Laravel') }}</title>

    <!-- Scripts -->
    <script src="{{ asset('js/app.js') }}" defer></script>

    <!-- Fonts -->
    <link rel="dns-prefetch" href="//fonts.gstatic.com">
    <link href="https://fonts.googleapis.com/css?family=Nunito" rel="stylesheet">

    <!-- Styles -->
    <link href="{{ asset('css/app.css') }}" rel="stylesheet">
</head>
<body>
    <div id="app">
        @include('layouts.navigasi')

        <main class="py-4">
            @include('alert')
            @yield('content')
        </main>
    </div>
</body>
</html>
```

9. Buat view main dalam folder layouts

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>{{ $title ?? 'Projek Laravel Fela' }}</title>
    <link rel="stylesheet" href="{{ asset('css/bootstrap.min.css') }}">
    @yield('head')
</head>
<body>
    @include('layouts.navigasi')
    <div class="py-4">
        @include('alert')
        @yield('content')
    </div>
    <script src="https://code.jquery.com/jquery-3.5.1.min.js" integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0="
    crossorigin="anonymous"></script>
    <script src="/js/bootstrap.min.js"></script>
</body>
</html>
```

10. Buat view navigasi dalam folder layouts

```
<nav class="navbar navbar-expand-md navbar-light bg-white shadow-sm">
        <div class="container">
            <a class="navbar-brand" href="{{ url('/') }}">
                {{ config('app.name', 'Laravel') }}
            </a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupp
                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse" id="navbarSupportedContent">
                <!-- Left Side Of Navbar -->
                <ul class="navbar-nav mr-auto">
                  <li class="nav-item">
                    <a href="{{ route('posts.index') }}" class="nav-link">Posts</a>
                  </li>
                </ul>
                <!-- Right Side Of Navbar -->
                <ul class="navbar-nav ml-auto">
                    <!-- Authentication Links -->
                    @guest
                        <li class="nav-item">
                            <a class="nav-link" href="{{ route('login') }}">{{ __('Login') }}</a>
                        </li>
                        @if (Route::has('register'))
                            <li class="nav-item">
                                <a class="nav-link" href="{{ route('register') }}">{{ __('Register') }}</a>
                            </li>
                        @endif
                    @else
                        <li class="nav-item dropdown">
                            <a id="navbarDropdown" class="nav-link dropdown-toggle" href="#" role="button" data-toggle="dropdown" aria-haspopup
                                {{ Auth::user()->name }} <span class="caret"></span>
                            </a>
```

```
                        <li class="nav-item dropdown">
                            <a id="navbarDropdown" class="nav-link dropdown-toggle" href="#" role="button" data-toggle="dropdown"
                                {{ Auth::user()->name }} <span class="caret"></span>
                            </a>

                            <div class="dropdown-menu dropdown-menu-right" aria-labelledby="navbarDropdown">
                                <a class="dropdown-item" href="{{ route('logout') }}"
                                   onclick="event.preventDefault();
                                                 document.getElementById('logout-form').submit();">
                                    {{ __('Logout') }}
                                </a>

                                <form id="logout-form" action="{{ route('logout') }}" method="POST" style="display: none;">
                                    @csrf
                                </form>
                            </div>
                        </li>
                    @endguest
                </ul>
            </div>
        </div>
    </nav>
```

11. Buat view home

```blade
@extends('layouts.app')

@section('content')
<div class="container">
        <div class="d-flex justify-content-between">
            <div>
                <h4>All Post</h4>
            </div>
            <div>
                @if(Auth::check())
                <a href="{{ route('posts.create') }}" class="btn btn-primary">New Post</a>
                @else
                <a href="{{ route('login') }}" class="btn btn-primary">Login to Create New Post</a>
                @endif
            </div>
        </div>
        <hr>
        <div class="row">
            @forelse($posts as $post)
                <div class="col-md-6">
                    <div class="card mb-4">
                        <div class="card-header">
                            <div class="card-header">
                                <h2><b>{{ $post->title }}</b></h2>
                            </div>
                            @if($post->thumbnail)
                            <img style="height: 270px; object-fit: cover; object-position: center;" class="card-img-top" src="{{ $post->takeI
                            @endif
                            <div class="card-body">
                                {{ Str::limit($post->body, 100) }}
                            </div>
                            <a href="/posts/{{ $post->slug }}">Read more</a>
                        </div>
```

12. Buat view alert

```blade
@if(session()->has('success'))
    <div class="alert alert-success">
        {{ session()->get('success')  }}
    </div>
@endif
@if(session()->has('error'))
    <div class="alert alert-danger">
        {{ session()->get('error')  }}
    </div>
@endif
```

13. Buat view edit dalam folder posts

```blade
@extends('layouts.main')

@section('content')
<div class="container">
    <div class="row">
        <div class="col-md-6">
            <div class="card-header">Update post: {{ $post->title }}</div>
            <div class="card-body">
                <form action="/posts/{{ $post->slug }}/edit" method="post" autocomplete="off" enctype="multipart/form-data">
                @method('patch')
                @csrf
                @include('posts.partials.form-control')</form>
            </div>
        </div>
    </div>
</div>
@endsection
```

14. Buat view index dalam folder posts

```blade
@extends('layouts.main')

@section('content')
<div class="container">
    <div class="d-flex justify-content-between">
        <div>
            <h4>All Post</h4>
        </div>
        <div>
            @if(Auth::check())
            <a href="{{ route('posts.create') }}" class="btn btn-primary">New Post</a>
            @else
            <a href="{{ route('login') }}" class="btn btn-primary">Login to Create New Post</a>
            @endif
        </div>
    </div>
    <hr>
    <div class="row">
        @forelse($posts as $post)
        <div class="col-md-6">
            <div class="card mb-4">
                <div class="card-header">
                    <div class="card-header">
                        <h2><b>{{ $post->title }}</b></h2>
                    </div>
                    @if($post->thumbnail)
                    <img style="height: 270px; object-fit: cover; object-position: center;" class="card-img-top" src="{{ $p
                    @endif
                    <div class="card-body">
                        {{ Str::limit($post->body, 100) }}
                    </div>
                    <a href="/posts/{{ $post->slug }}">Read more</a>
                </div>
                <div class="card-footer d-flex justify-content-between">
```

15. Buat view create dalam folder posts

```blade
@section('content')
<div class="container">
    <div class="row">
        <div class="col-md-6">
            @include('alert')
            <div class="card-header">New Post</div>
            <div class="card-body">
                <form action="/posts/store" method="post" autocomplete="off" enctype="multipart/form-data">
                    @csrf
                    @include('posts.partials.form-control', ['submit' => 'Create'])
                </form>
            </div>
        </div>
    </div>
</div>
@endsection
```

16. Buat view show dalam folder posts

```blade
@extends('layouts.main')

@section('title', $post->title)

@section('content')
    <div class="container">
    <img img style="height: 270px; object-fit: cover; object-position: center;" class="card-img-top" src="{{ asset($post->takeImage) }}" alt=
    <h1>{{ $post->title }}</h1>
    <div class="text-secondary">
    Create by {{ $post->author->name }} &middot; {{ $post->created_at->format("d F Y") }}
    </div>
    <hr>
    <p>{!! nl2br($post->body) !!}</p>
        <div>
        @can('update', $post)
            <!-- Button trigger modal -->
            <button type="button" class="btn btn-link btn-danger btn-sm" data-toggle="modal" data-target="#exampleModal">
                Delete
            </button>
            <!-- Modal -->
            <div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
            <div class="modal-dialog">
                <div class="modal-content">
                <div class="modal-header">
                    <h5 class="modal-title" id="exampleModalLabel">Apakah anda ingin menghapusnya?</h5>
                    <button type="button" class="btn-close" data-dismiss="modal" aria-label="Close">
                        <span aria-hidden="true">&times;</span>
                    </button>
                </div>
                <div class="modal-body">
                    <div>
                        <div>{{ $post->title }}</div>
                        <div class="text-secondary">
```

17. Buat form dalam folder posts\partials

```blade
<div class="form-group">
    <label for="title">Title</label>
    <input type="text" name="title" id="title" value="{{ old('title') ?? $post->title }}" class="form-control @error('title') is-invalid @er
    @error('title')
        <div class="invalid-feedback">
            {{ $message }}
        </div>
    @enderror
</div>

<div class="form-group">
    <label for="body">Content</label>
    <textarea name="body" id="body" class="form-control @error('body') is-invalid @enderror">{{ old('body') ?? $post->body }}</textarea>
    @error('body')
        <div class="invalid-feedback">
            {{ $message }}
        </div>
    @enderror
</div>
<button type="submit" class="btn btn-primary">{{ $submit ?? 'Update' }}</button>
```

18. web

```php
<?php

use Illuminate\Support\Facades\Auth;
use Illuminate\Support\Facades\Route;


Auth::routes();

Route::get('/', 'HomeController@index')->name('home');

Route::prefix('posts')->middleware('auth')->group(function(){
    Route::get('create', 'PostController@create')->name('posts.create');
    Route::post('store', 'PostController@store');
    Route::get('{post:slug}/edit', 'PostController@edit');
    Route::patch('{post:slug}/edit', 'PostController@update');
    Route::delete('{post:slug}/delete', 'PostController@destroy');
});
Route::get('/posts', 'PostController@index')->name('posts.index');
Route::get('posts/{post:slug}', 'PostController@show');
```