

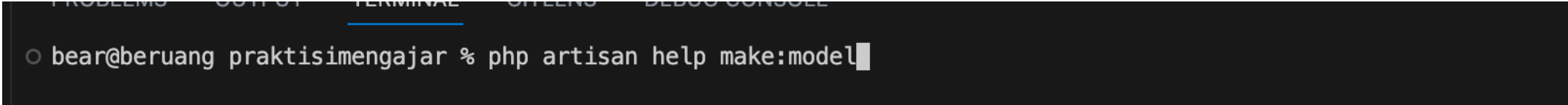
CRUD dan Pagination

Persiapan

- Membuat Migration, Model, Controller untuk Post

Help Model

Gunakan perintah help untuk mengetahui fungsi-fungsi saat membuat model

A screenshot of a terminal window with a dark background. At the top, there are several tabs: 'PROBLEMS', 'OUTPUT', 'TERMINAL' (which is selected and has a blue underline), 'OUTPUT', and 'DEBUG CONSOLE'. Below the tabs, the terminal shows a command prompt 'bear@beruang praktisimengajar %' followed by the command 'php artisan help make:model' and a cursor at the end.

```
PROBLEMS OUTPUT TERMINAL OUTPUT DEBUG CONSOLE
bear@beruang praktisimengajar % php artisan help make:model
```

PROBLEMS OUTPUT TERMINAL GITLENS DEBUG CONSOLE

● bear@beruang praktisimengajar % php artisan help make:model

Description:

Create a new Eloquent model class

Usage:

make:model [options] [--] <name>

Arguments:

name The name of the model

Options:

-a, --all	Generate a migration, seeder, factory, policy, resource controller, and form request classes for the model
-c, --controller	Create a new controller for the model
-f, --factory	Create a new factory for the model
--force	Create the class even if the model already exists
-m, --migration	Create a new migration file for the model
--morph-pivot	Indicates if the generated model should be a custom polymorphic intermediate table model
--policy	Create a new policy for the model
-s, --seed	Create a new seeder for the model
-p, --pivot	Indicates if the generated model should be a custom intermediate table model
-r, --resource	Indicates if the generated controller should be a resource controller
--api	Indicates if the generated controller should be an API resource controller
-R, --requests	Create new form request classes and use them in the resource controller
--test	Generate an accompanying PHPUnit test for the Model
--pest	Generate an accompanying Pest test for the Model
-h, --help	Display help for the given command. When no command is given display help for the list command
-q, --quiet	Do not output any message
-V, --version	Display this application version
--ansi --no-ansi	Force (or disable --no-ansi) ANSI output
-n, --no-interaction	Do not ask any interactive question
--env[=ENV]	The environment the command should run under
-v vv vvv, --verbose	Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Membuat Model dan Migration

```
● bear@beruang praktisimengajar % php artisan make:model Post -m  
  INFO Model [app/Models/Post.php] created successfully.  
  INFO Migration [database/migrations/2023_06_14_224320_create_posts_table.php] created successfully.  
○ bear@beruang praktisimengajar % █
```

Membuat Migration Post

```
database > migrations > 2023_06_14_224320_create_posts_table.php > class >
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  return new class extends Migration
8  {
9      /**
10       * Run the migrations.
11       */
12     public function up(): void
13     {
14         Schema::create('posts', function (Blueprint $table) {
15             $table->id();
16             $table->string('title')->index();
17             $table->text('body');
18             $table->string('thumbnail');
19             $table->timestamps();
20         });
21     }
22
23     /**
24      * Reverse the migrations.
25      */
26     public function down(): void
27     {
28         Schema::dropIfExists('posts');
29     }
30 };
31
```

```
● bear@beruang praktisimengajar % php artisan migrate
```

```
  INFO  Running migrations.
```

```
2023_06_14_224320_create_posts_table .....

```

```
○ bear@beruang praktisimengajar %
```

Membuat Controller Post

```
• bear@beruang praktisimengajar % php artisan make:controller PostController -r  
  INFO Controller [app/Http/Controllers/PostController.php] created successfully.  
• bear@beruang praktisimengajar %
```

Hasil dari membuat controller resource

```
    */  
    public function index()  
    {  
        return view('home');  
    }  
  
    /**  
     * Show the form for creating a new resource.  
     */  
    public function create()  
    {  
        return view('posts.create');  
    }  
  
    /**  
     * Store a newly created resource in storage.  
     */  
    public function store(Request $request)  
    {  
  
    }  
  
    /**  
     * Display the specified resource.  
     */  
    public function show(string $id)  
    {  
        return view('posts.show');  
    }  
  
    /**  
     * Show the form for editing the specified resource.  
     */  
    public function edit(string $id)  
    {  
        return view('posts.edit');  
    }  
}
```


Menambah link post di navbar

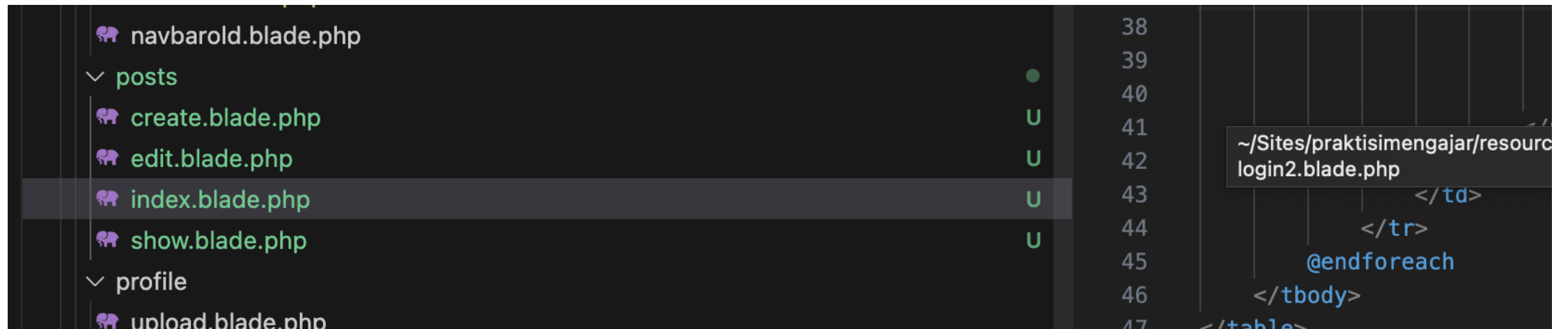
```
8 <div class="collapse navbar-collapse" id="navbarSupportedContent">
9   <ul class="navbar-nav me-auto mb-2 mb-lg-0">
10 >   <li class="nav-item">...
12   </li>
13   @auth
14   <li class="nav-item dropdown">
15     <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown"
16       aria-expanded="false">
17       Post
18     </a>
19     <ul class="dropdown-menu">
20       <li><a class="dropdown-item" href="/posts">Lihat Semua</a></li>
21       <li><a class="dropdown-item" href="/posts/create">Buat Artikel</a></li> You, 2 hours ago •
22     </ul>
23   </li>
24   @endauth
25   @guest
26   <li class="nav-item">
27     <a class="nav-link" href="/register">Register</a>
28   </li>
29   @endguest
30 </ul>
```

Membuat Route untuk Post

```
31
32 Route::prefix('posts')->group(function () {
33     Route::get('/', [App\Http\Controllers\PostController::class, 'index'])->middleware('auth');
34     Route::get('/create', [App\Http\Controllers\PostController::class, 'create'])->middleware('auth');
35     Route::get('/{id}', [App\Http\Controllers\PostController::class, 'show'])->middleware('auth');
36     Route::get('/edit/{id}', [App\Http\Controllers\PostController::class, 'edit'])->middleware('auth');
37     Route::patch('/{id}', [App\Http\Controllers\PostController::class, 'update'])->middleware('auth');
38     Route::delete('/{id}', [App\Http\Controllers\PostController::class, 'destroy'])->middleware('auth');
39     Route::post('/', [App\Http\Controllers\PostController::class, 'store'])->middleware('auth');
40 });
41
```

You, 37 min

Membuat View



Membuat Post

Create Post

Halaman membuat post

Title

Patek Philippe

Thumbnail

Choose File

2.jpeg

Text Body

Patek Philippe is a luxury watchmaker based in Geneva, Switzerland. Established in 1839,

Submit

resources > views > posts > 🧠 create.blade.php > 📦 div.d-flex.justify-content-center > 📦 div.card.mt-5 > 📦 div.card-body > 📦 div.row > 📦 form > 📦 div.mb-3

```
1  @extends('layouts.main')
2  @section('body')
3      <div class="d-flex justify-content-center">
4          <div class="card mt-5">
5              <div class="card-body">
6                  <h5 class="card-title">Create Post</h5>
7                  <h6 class="card-subtitle mb-2 text-body-secondary">Halaman membuat post</h6>
8                  <div class="row">
9                      <form method="POST" action="/posts" enctype="multipart/form-data">
10                         @csrf
11                         <div class="mb-3">
12                             <label for="title" class="form-label">Title</label>
13                             <input type="text" class="form-control" id="title" name="title"
14                                 placeholder="Masukan Judul">
15                         </div>
16                         <div class="mb-3">
17                             <label for="thumbnail" class="form-label">Thumbnail</label>
18                             <input type="file" class="form-control" id="thumbnail" name="thumbnail">
19                         </div>
20                         <div class="mb-3">
21                             <label for="body" class="form-label">Text Body</label>
22                             <textarea type="body" class="form-control" id="body" name="body"
23                                 placeholder="Masukan sis artikel"></textarea>
24                         </div>
25                         <input type="submit" class="btn btn-primary" id="submit" name="submit">
26
27                     </form>
28                 </div>
29             </div>
30         </div>
31     </div>
32 @endsection
33
```

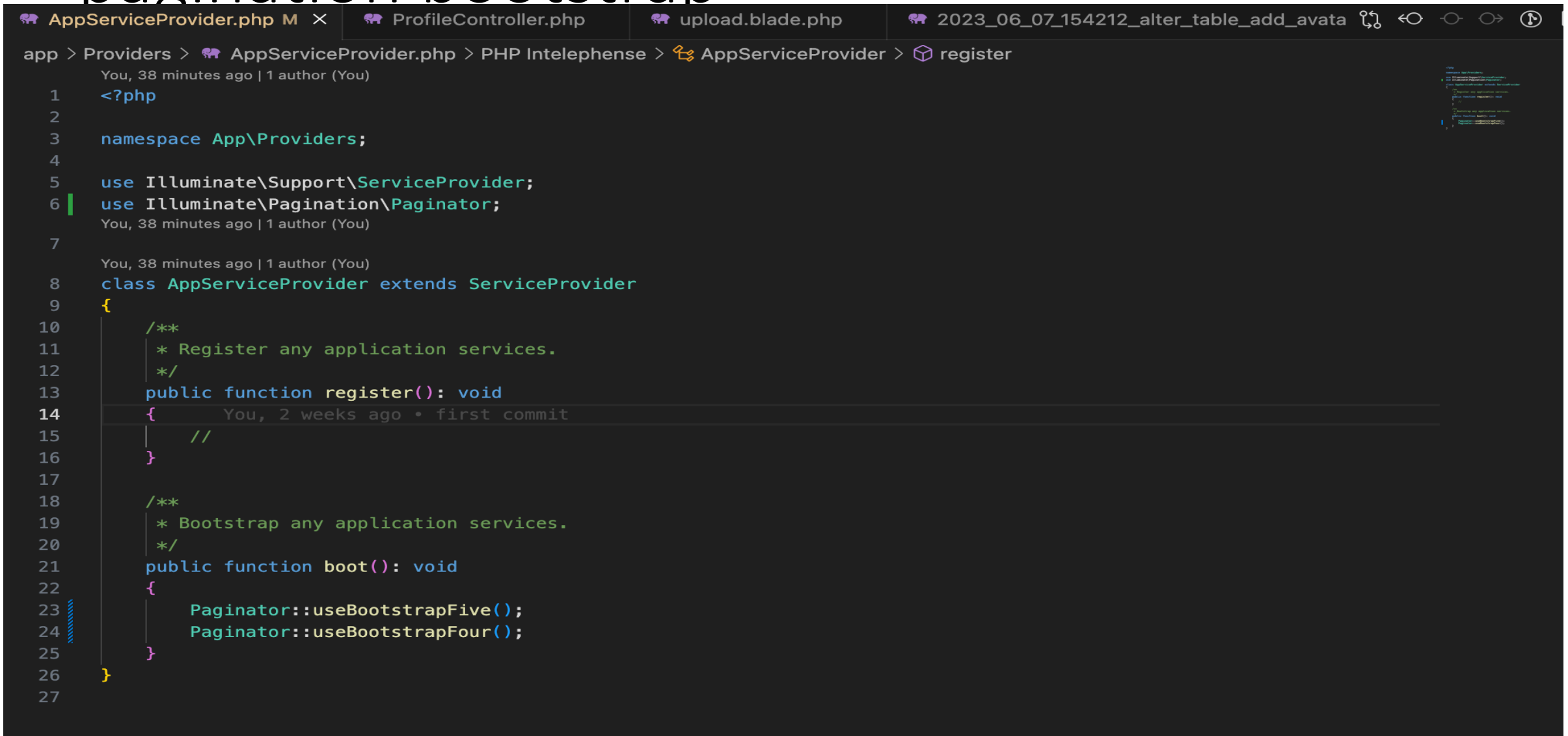
Membuat Create di Controller

```
20  /**
21   * Show the form for creating a new resource.
22   */
23  public function create()
24  {
25      return view('posts.create');
26  }
27
28  /**
29   * Store a newly created resource in storage.
30   */
31  public function store(Request $request)
32  {
33      $this->validate($request, [
34          'title' => 'string|required',
35          'thumbnail' => 'image|file|max:2048',
36          'body' => 'string|required'
37      ]);
38
39      $post = new Post();
40      $post->title = $request->title;
41      $post->thumbnail = $request->file('thumbnail')->store('thumbnail');
42      $post->body = $request->body;
43      $post->save();
44
45      return redirect('/posts')->with('success', 'Berhasil membuat artikel');
46  }
```

Menampilkan List Index Posts

```
2
3 namespace App\Http\Controllers;
4
5 use App\Models\Post;
6 use Illuminate\Http\Request;
7
8 class PostController extends Controller
9 {
10     /**
11      * Display a listing of the resource.
12      */
13     public function index()
14     {
15         $posts = Post::latest()->paginate(10);
16
17         return view('posts.index', compact('posts'));
18     }
19
20     /**
21      * Show the form for creating a new resource.
22      */
23     public function create()
```

Mengubah AppServiceProvider untuk pagination bootstrap



```
AppServiceProvider.php M × ProfileController.php upload.blade.php 2023_06_07_154212_alter_table_add_avata ↺ ↻ ↶ ↷ ↸ ↹

app > Providers > AppServiceProvider.php > PHP Intelephense > AppServiceProvider > register
You, 38 minutes ago | 1 author (You)
1 <?php
2
3 namespace App\Providers;
4
5 use Illuminate\Support\ServiceProvider;
6 use Illuminate\Pagination\Paginator;
7
8 class AppServiceProvider extends ServiceProvider
9 {
10     /**
11      * Register any application services.
12      */
13     public function register(): void
14     {
15         //
16     }
17
18     /**
19      * Bootstrap any application services.
20      */
21     public function boot(): void
22     {
23         Paginator::useBootstrapFive();
24         Paginator::useBootstrapFour();
25     }
26 }
27
```


Membuat View index posts

ID	TITLE	THUMBNAIL	BODY	ACTION
5	Patek Philippe		Patek Philippe is a luxury watchmaker based in Gen...	Action ▼

```

16 <tbody>
17     @foreach ($posts as $post)
18         <tr>
19             <th scope="row">{{ $post->id }}</th>
20             <td>{{ $post->title }}</td>
21             <td>title }}"></td>
23             <td>{{ Str::limit($post->body, 50) }}</td>
24             <td>
25                 <div class="dropdown">
26                     <button class="btn btn-primary dropdown-toggle" type="button"
27                         data-bs-toggle="dropdown" aria-expanded="false">
28                         Action
29                     </button>
30                     <ul class="dropdown-menu">
31                         <li><a class="dropdown-item" href="/posts/{{ $post->id }}">Lihat</a></li>
32                         <li><a class="dropdown-item" href="/posts/edit/{{ $post->id }}">Ubah</a></li>
33                         <li>
34                             <form action="/posts/{{ $post->id }}" method="post">
35                                 @csrf
36                                 @method('delete')
37                                 <button class="dropdown-item" onclick="return confirm('Anda yakin akan menghapus data
38                                     </form>
39
40                             </li>
41                         </ul>
42                     </div>
43                 </td>
44             </tr>
45         @endforeach
46 </tbody>

```

Membuat Edit dan Update

```
57  /**
58   * Show the form for editing the specified resource.
59   */
60  public function edit(string $id)
61  {
62      $post = Post::find($id);
63
64      return view('posts.edit', compact('post'));
65  }
66
67  /**
68   * Update the specified resource in storage.
69   */
70  public function update(Request $request, string $id)
71  {
72      $this->validate($request, [
73          'title' => 'string|required',
74          'thumbnail' => 'image|file|max:2048',
75          'body' => 'string|required'
76      ]);
77
78      $post = Post::find($id);
79      $post->title = $request->title;
80      $post->thumbnail = $request->file('thumbnail')->store('thumbnail');
81      $post->body = $request->body;
82      $post->save();
83
84      return redirect('/posts')->with('success', 'Berhasil mengubah artikel');
85  }
```

Membuat View Edit

Edit Post

Halaman mengubah post

Title

Patek Philippe

Thumbnail

Choose File

No file chosen

Text Body

Patek Philippe is a luxury watchmaker based in Geneva, Switzerland. Established in 1839,

Submit

```

1 @extends('layouts.main')
2 @section('body')
3     <div class="d-flex justify-content-center">
4         <div class="card mt-5">
5             <div class="card-body">
6                 <h5 class="card-title">Edit Post</h5>
7                 <h6 class="card-subtitle mb-2 text-body-secondary">Halaman mengubah post</h6>
8                 <div class="row">
9                     <form method="POST" action="/posts/{{ $post->id }}" enctype="multipart/form-data">
10                         @csrf
11                         @method('patch')
12                         <div class="mb-3">
13                             <label for="title" class="form-label">Title</label>
14                             <input type="text" class="form-control" id="title" name="title"
15                                 placeholder="Masukan Judul" value="{{ $post->title }}">
16                         </div>
17                         <div class="mb-3">
18                             <label for="thumbnail" class="form-label">Thumbnail</label>
19                             <input type="file" class="form-control" id="thumbnail" name="thumbnail">
20                         </div>
21                         <div class="mb-3">
22                             <label for="body" class="form-label">Text Body</label>
23                             <textarea type="body" class="form-control" id="body" name="body"
24                                 placeholder="Masukan sis artikel">{{ $post->body }}</textarea>
25                         </div>
26                         <input type="submit" class="btn btn-primary" id="submit" name="submit">
27                     </form>
28                 </div>
29             </div>
30         </div>
31     </div>
32 </div>
33 @endsection
34

```


Membuat View “Lihat Artikel”

Patek Philippe



Patek Philippe is a luxury watchmaker based in Geneva, Switzerland. Established in 1839, the company is named after two of its founders, Anton manufacturer in Geneva, Patek Philippe enjoys total creative freedom to entirely design, produce, and assemble what experts agree to be some holds in its watchmaking: independence, tradition, innovation, quality and craftsmanship, rarity, value, aesthetics, service, emotion, and legacy. unrivaled quality and reliability. The uniqueness and exclusiveness of their watches make them rare and precious pieces, a unique legacy to be h

...

.css

PostController.php U

index.blade.php .../posts U

create.blade.php U

show.blade.php U ×

edit.blade.php U

resources > views > posts > show.blade.php > div > p

U

1 @extends('layouts.main')

2 @section('body')

3 | <div class="mt-5">

4 | | <h1>{{ \$post->title }}</h1>

5 | </div>

6 | <div>

7 | |

8 | </div>

9 | <div>

10 | | <p>

11 | | | {{ \$post->body }}

12 | | </p>

13 | </div>

14 @endsection

15

Repository

Contoh program ini bisa di download di repository

<https://github.com/berry-ordivo/praktisimengajar>