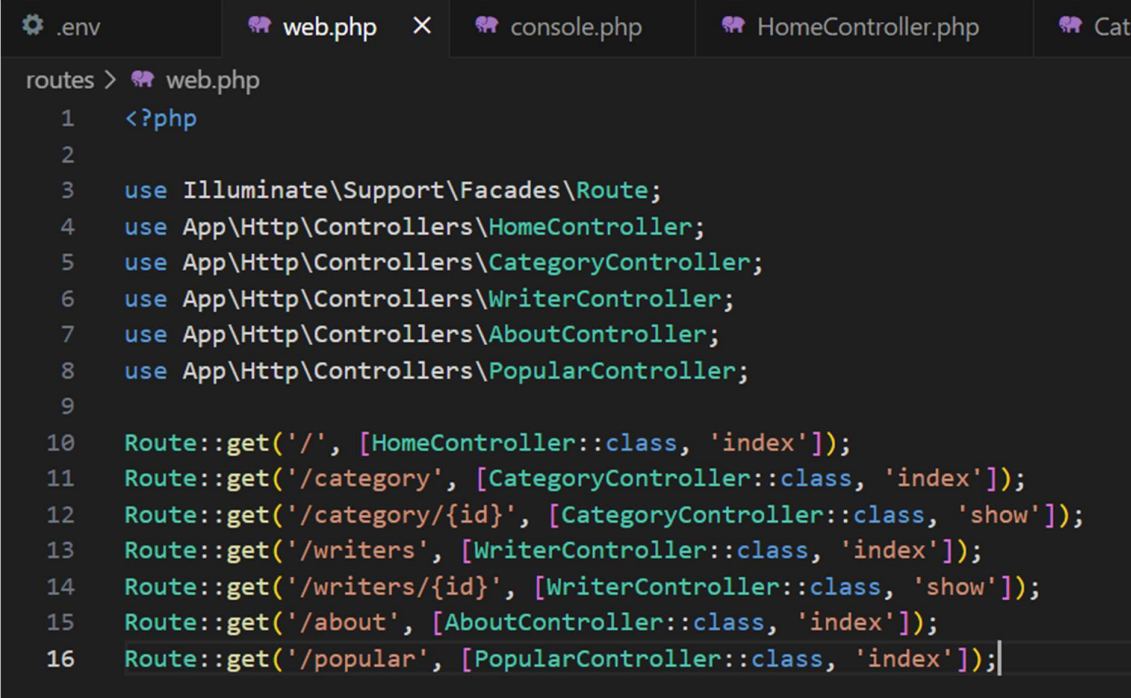


## Dokumentasi Project EduFun Web Application

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```
.env web.php x console.php HomeController.php Cat
routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\HomeController;
5  use App\Http\Controllers\CategoryController;
6  use App\Http\Controllers\WriterController;
7  use App\Http\Controllers\AboutController;
8  use App\Http\Controllers\PopularController;
9
10 Route::get('/', [HomeController::class, 'index']);
11 Route::get('/category', [CategoryController::class, 'index']);
12 Route::get('/category/{id}', [CategoryController::class, 'show']);
13 Route::get('/writers', [WriterController::class, 'index']);
14 Route::get('/writers/{id}', [WriterController::class, 'show']);
15 Route::get('/about', [AboutController::class, 'index']);
16 Route::get('/popular', [PopularController::class, 'index']);|
```

Route::get berguna untuk mendefinisikan permintaan Http Get untuk URL tertentu dan setiap route terhubung ke metode controller tertentu. Dan Route::get('/category/{id}', [CategoryController::class, 'show']) berfungsi sebagai parameter rute yang berfungsi agar data dinamis dapat diteruskan.

```
.env web.php console.php HomeController.php X
app > Http > Controllers > HomeController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class HomeController extends Controller
8  {
9      public function index()
10     {
11         return view('home');
12     }
13 }
14
```

```
.env web.php console.php HomeController.php CategoryController.php X
app > Http > Controllers > CategoryController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Category;
6  use Illuminate\Http\Request;
7
8  class CategoryController extends Controller
9  {
10     public function index()
11     {
12         $categories = Category::all();
13         return view('category.index', compact('categories'));
14     }
15
16     public function show($id)
17     {
18         $category = Category::findOrFail($id);
19         return view('category.show', compact('category'));
20     }
21 }
22
```

HomeController.php: di sini berperan untuk mengontrol halaman beranda, dan mengembalikan tampilan home pada saat diakses nanti.

Sedangkan, CategoryController: berfungsi untuk mengelola tindakan terkait kategori. Sedaangkan index menampilkan daftar kategori, dan show menampilkan detail untuk kategori tertentu saja.

```
app > Models > Category.php
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class Category extends Model
9  {
10     use HasFactory;
11
12     protected $fillable = ['name'];
13 }
14
```

```
app > Models > Writer.php
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  class Writer extends Model
9  {
10     use HasFactory;
11
12     protected $fillable = ['name', 'bio'];
13 }
14
```

Category dan Writer menggunakan fillable untuk menentukan atribut mana yang dapat diisi secara massal. Sedangkan, HasFactory digunakan untuk membuat instance model menggunakan factory Laravel.

```
resources > views > home > 🐘 home.blade.php
```

```
1  @extends('layouts.app')
2
3  @section('content')
4  <h1>Welcome to EduFun!</h1>
5  <a href="/category">Explore Categories</a>
6  <a href="/writers">Meet Our Writers</a>
7  @endsection
8  |
```

```
resources > views > category > category > category > 🐘 index.blade.php
```

```
1  @extends('layouts.app')
2
3  @section('content')
4  <h1>Categories</h1>
5  @foreach($categories as $category)
6  |   <a href="/category/{ {{ $category->id }} ">{{ $category->name }}</a>
7  @endforeach
8  @endsection
9
```

Syntax Blade (@section, @extends, @foreach) digunakan untuk mendefinisikan dan memperluas layout, membuat loop data, dan mengorganisir konten yang ada. Sedangkan, **File Layout** (layouts/app.blade.php) adalah template yang dapat digunakan kembali, dan dapat memungkinkan elemen umum seperti header atau footer untuk dibagikan di seluruh halaman.

```
database > seeders > DatabaseSeeder.php
1  <?php
2
3  namespace Database\Seeders;
4
5  use Illuminate\Database\Seeder;
6  use App\Models\Category;
7  use App\Models\Writer;
8  use App\Models\Article;
9
10 class DatabaseSeeder extends Seeder
11 {
12     public function run()
13     {
14         Category::factory(2)->create();
15         Writer::factory(5)->create();
16         Article::factory(10)->create();
17     }
18 }
```

Migrasi di sini menggunakan kelas Schema untuk mendefinisikan kolom tabel dan relasi. Sedangkan, Seeder menggunakan factory untuk membuat data dummy, memfasilitasi pengujian dan pengembangan.