Dokumentasi EduFun

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1. Routing
   Sebagai pengatur lalu lintas request dari klient yang akan di teruskan ke controller.

```php
laravel project > routes > 🐘 web.php
1    <?php
2    |
3    use Illuminate\Support\Facades\Route;
4    use App\Http\Controllers\eduFun;
5
6    Route::get('/home', [eduFun::class,'home']);
7
8    Route::get('/category/{option}', [eduFun::class,'category']);
9
10   Route::get('/post/{id}', [eduFun::class,'post']);
11
12   Route::get('/writers', [eduFun::class,'writers']);
13
14   Route::get('/writerPost/{writer}', [eduFun::class,'writerPost']);
15
16   Route::get('/aboutus', [eduFun::class,'aboutUs']);
17
18   Route::get('/popular/{page}', [eduFun::class,'popular']);
```

2. Controller
   Bagian yang berfungsi sebagai pusat business logic aplikasi EduFun

```php
laravel project > app > Http > Controllers > 🐘 eduFun.php > ...
7    class eduFun extends Controller
26       }
27
28       public function post($id){
29           $id = (int)$id;
30           $data = Post::where("id",$id)->get();
31
32           return view("post",["data"=>$data]);
33       }
34
35       public function writers(){
36
37           $data = Post::select("author","category")->groupby("author","category")->get();
38
39           return view("writers",["data"=>$data]);
40       }
41
42       public function writerPost($writer){
43           $data = Post::where("author",$writer)->get();
44
45           return view("writerPost",["data" => $data]);
46       }
47
48       public function aboutUs(){
```

3. Model
Sebagai representasi object dari database yang digunakan untuk melakukan segala macam interaksi dari aplikasi ke database melalui model ini.

```php
Post.php ×

laravel project > app > Models > Post.php > PHP Intelephense > Post
1   <?php
2
3   namespace App\Models;
4
5   use Illuminate\Database\Eloquent\Model;
6
7   class Post extends Model
8   {
9       protected $fillable = ["title","category","content","date","image"];
10
11  }
12
```

4. View
Bagian pada aplikasi yang bertanggung jawab akan tampilan yang akan dirender dan dilihat oleh client di browser mereka.

```
EXPLORER                          home.blade.php ×

OPEN EDITORS              laravel project > resources > views > home.blade.php > html
EDUFUN                       2    <html lang="en">
∨ laravel project            4    <head>
  ∨ resources                5      <meta charset="UTF-8">
    ∨ views                  6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
      ∨ components           7      <title>Home</title>
        articleTumbnail.blade....  8  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.c
        footer.blade.php      9    </head>
        navbar.blade.php     10
      aboutus.blade.php      11   <body style="font-family: sans-serif;">
      category.blade.php     12
      home.blade.php         13      @include('components.navbar')
      popular.blade.php      14
      post.blade.php         15      <div class="d-flex justify-content-center align-item-center mb-5">
      writerPost.blade.php   16          <img class="img-fluid" src="{{ asset('images/banner.jpg') }}" alt="" style="w
      writers.blade.php      17      </div>
  ∨ routes                   18
    console.php              19      <?php foreach($data as $element): ?>
    web.php                  20          @include('components.articleTumbnail',$element);
OUTLINE                      21      <?php endforeach;?>
                             22
                             23      @include('components.footer')
                             24      <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundl
                             25   </body>
```

Untuk project ini, view di pecah2 menjadi reuseable element yang disimpan pada folder components dan dapat dipanggil kembali ke page2 utama menggunakan keyword *@include()*.

5. Migration
   Berfungsi sebagai pendefinisi bentuk dan schema database yang akan kita gunakan dalam pengembangan aplikasi. Migration meliputi salah satunya adalah menentukan tabel apa saja yang dibuat dan informasi mengenai column nya (name, tipedata, dll).

```php
return new class extends Migration
     */
    public function up(): void
    {
        Schema::create('posts', function (Blueprint $table) {
            $table->id();
            $table->string('title');
            $table->string('category');
            $table->text('content');
            $table->string('author');
            $table->date('date');
            $table->string('image');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('posts');
    }
```

6. Seeder/faker

Sebagai pengisi data dummy ke dalam database untuk keperluan pengembangan. Dengan mengisikan data dummy developer dapat dengan leluasa dan nyaman mengembangan project tanpa perlu menggunakan data asli.


```php
class PostSeeder extends Seeder
    public function run(): void
        Post::create([
            "title" => "How create good ui",
            "category" => "interactive multimedia",
            "author" => "adit",
            "content" => "Creating a good user interface (UI) is crucial for any successful application. A well-d
            "date" => now(),
            "image" => "images/multimedia.jpeg"
        ]);

        Post::create([
            "title" => "Exploring the Benefits of Interactive Multimedia in Education",
            "category" => "interactive multimedia",
            "author" => "adit",
            "content" => "Interactive multimedia has transformed the educational landscape, enhancing the way inf
            "date" => now(),
            "image" => "images/multimedia.jpeg"
        ]);
        Post::create([
            "title" => "The Future of Interactive Multimedia in Digital Marketing",
            "category" => "interactive multimedia",
            "author" => "adit",
            "content" => "Interactive multimedia is reshaping the digital marketing landscape, offering brands in
```

Pada screenshot di atas, seeder/faker membuat beberapa data dummy yang akan dimasukan delama database untuk keperluan pengembangan.

7. Interface Screenshot proof

Berikut adalah hasil interface yang telah selesai

a. Home
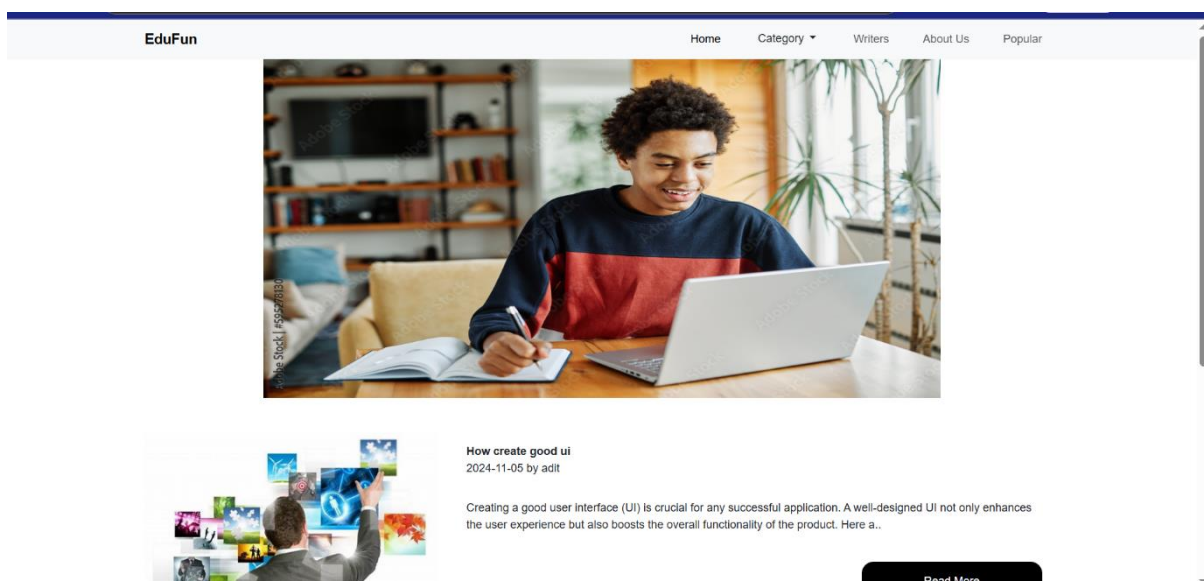
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2024-11-05 by adit

Creating a good user interface (UI) is crucial for any successful application. A well-designed UI not only enhances the user experience but also boosts the overall functionality of the product. Here a..
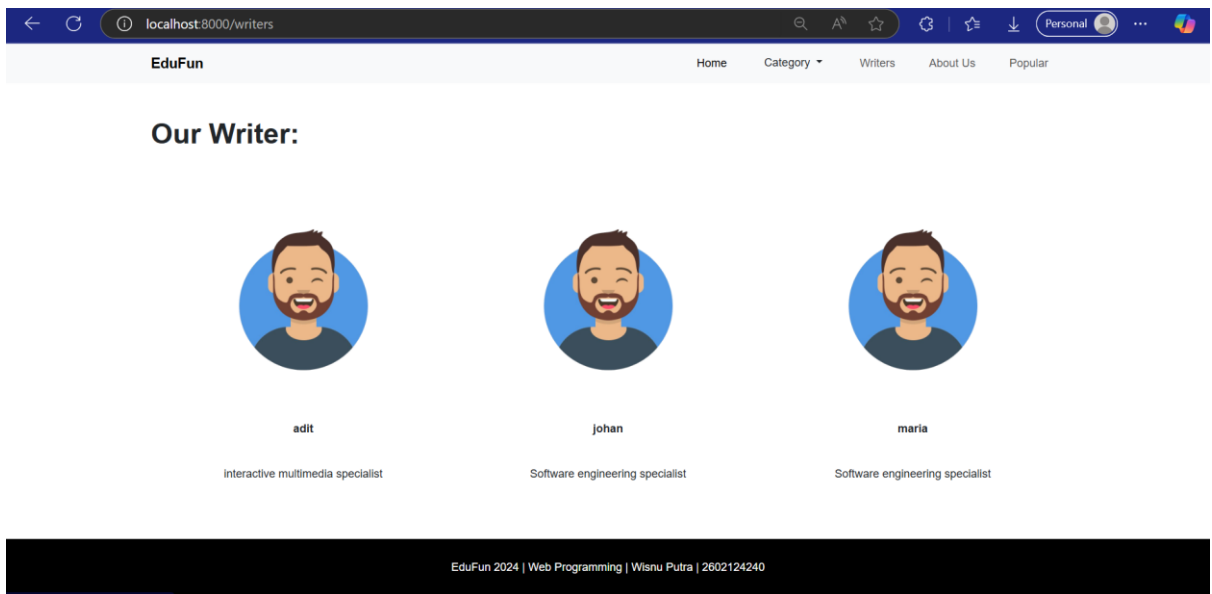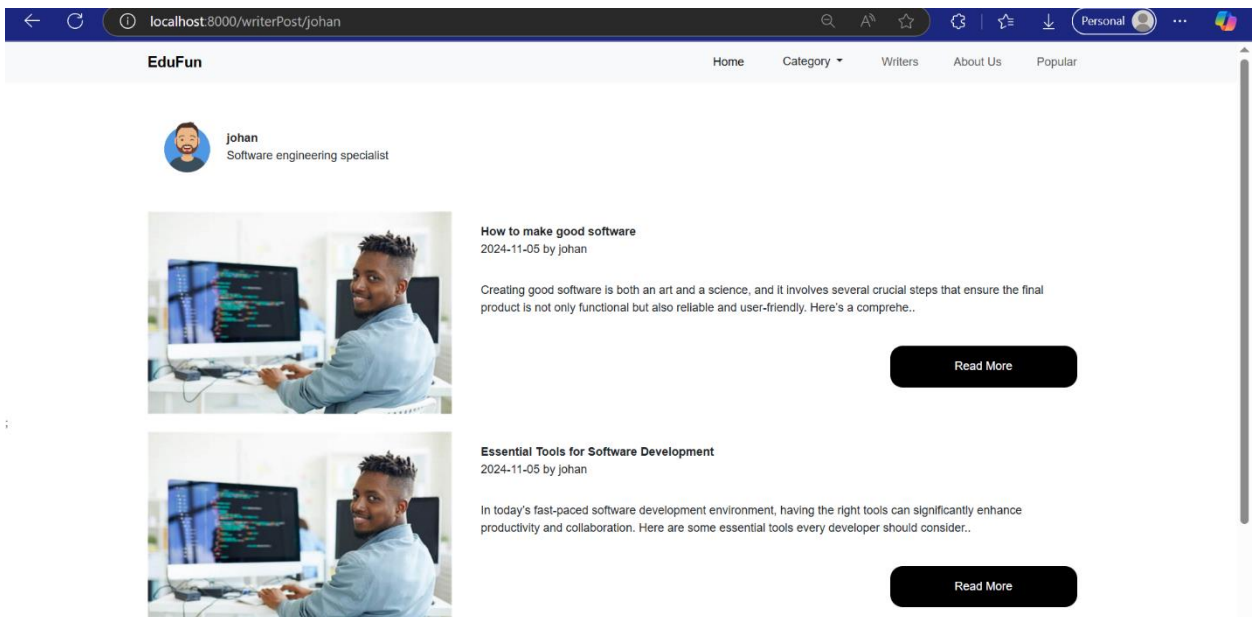
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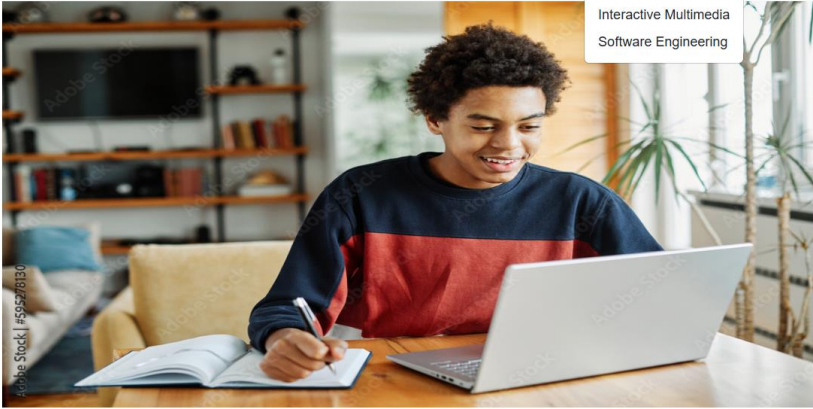
b. Category

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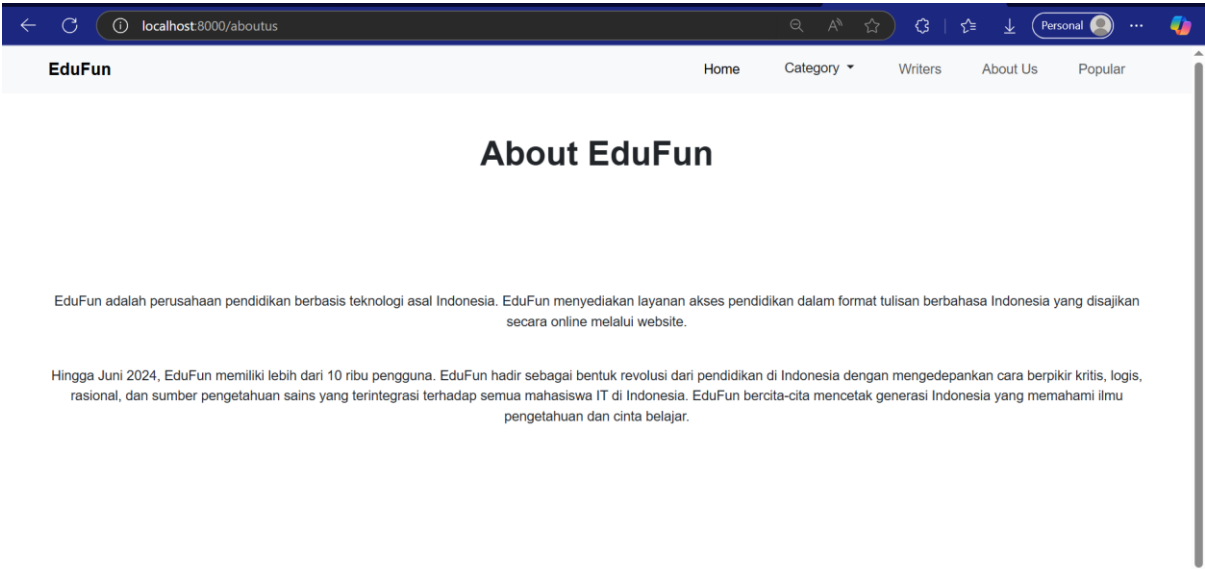

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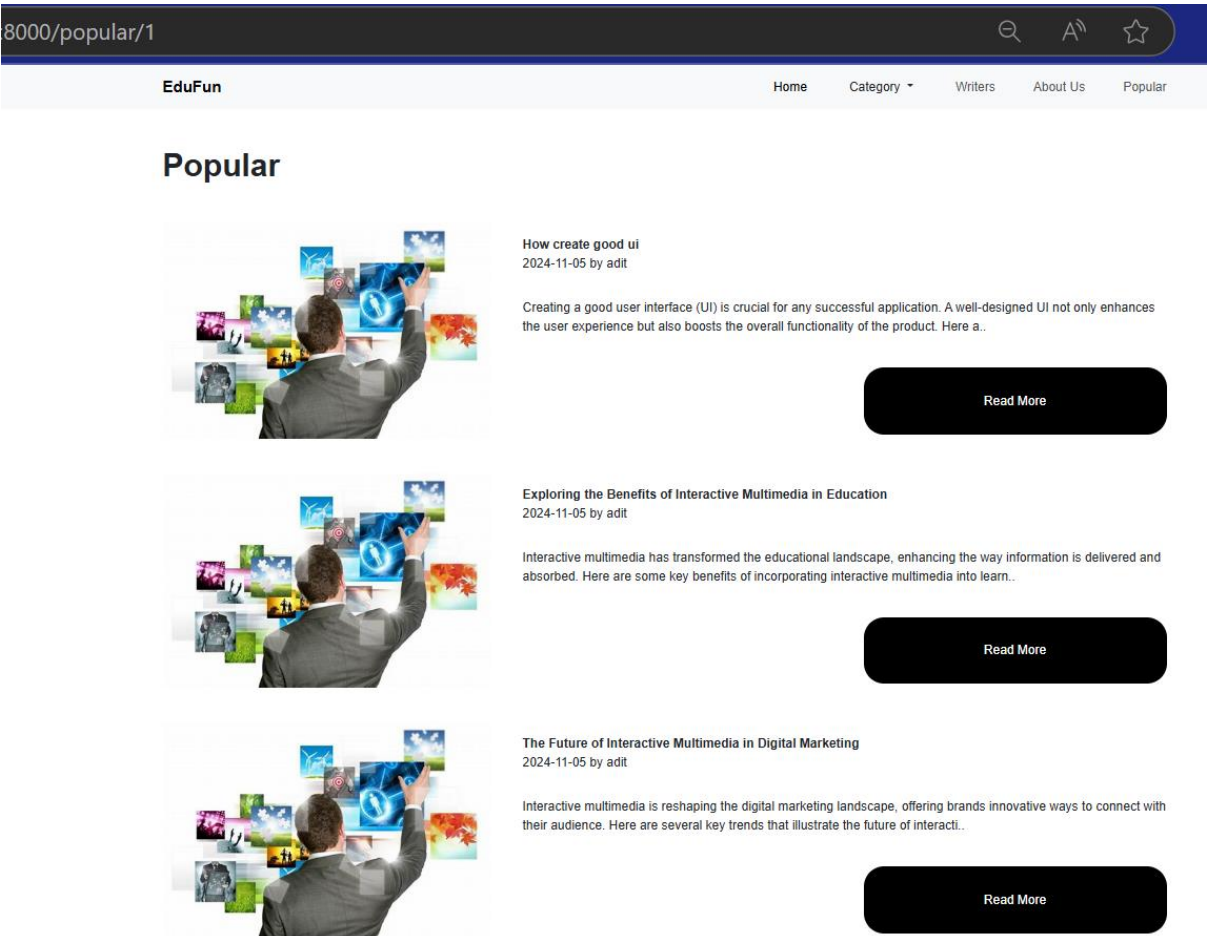**EduFun**   Home   Category ▾   Writers   About Us   Popular

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