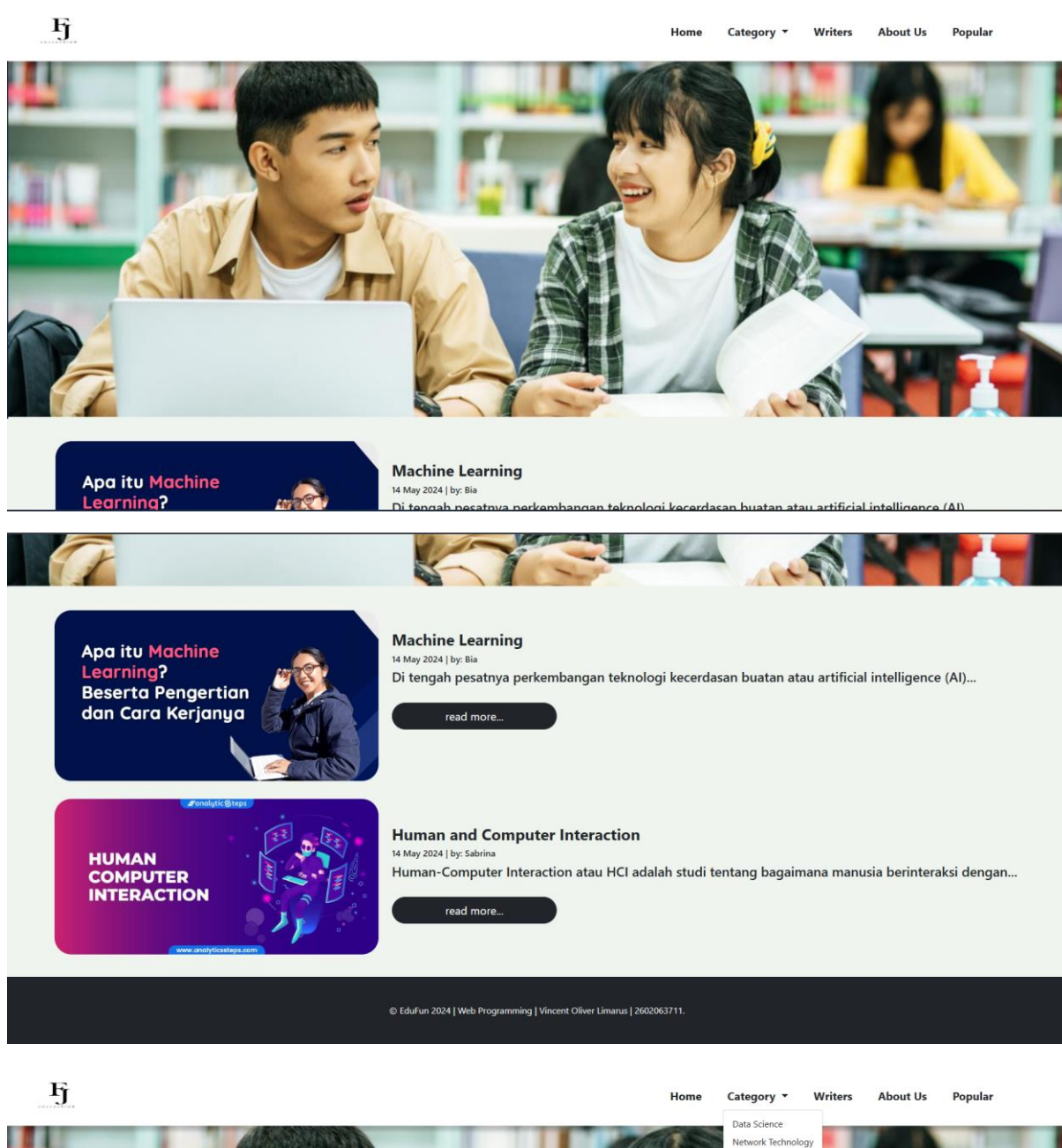


EduFun Web Application Documentation

Nama : Vincent Oliver Limarus
NIM : 2602063711
Course : Web Programming - COMP6821001
Class : LB01

1. Home Page



2. Category – Data Science

Data Science



Machine Learning

01 November 2024 | by: Kayla Yolanda

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Natural Language Processing

01 November 2024 | by: Hendra Prabu Gunarto

Id quos qui repellendus itaque minima molestiae consequuntur. Est odio quis sunt quibusdam.

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➔ I'm Using Seeder and Faker to creates the dummy data.

```

WriterSeeder.php M X
database > seeders > WriterSeeder.php > WriterSeeder > run
1  <?php
2
3  namespace Database\Seeders;
4  use Illuminate\Database\Console\Seeds\WithoutModelEvents;
5  use Illuminate\Database\Seeder;
6  use Faker\Factory as Faker;
7  use App\Models\Writer;
8  use App\Models\Article;
9
10 class WriterSeeder extends Seeder
11 {
12     public function run(): void
13     {
14         $faker = Faker::create('id_ID');
15
16         for($i = 0; $i < 3; $i++){
17             Writer::create([
18                 'name' => $faker->name,
19                 'job' => $faker->jobTitle,
20                 'photo_url' => "writer$i.png"
21             ]);
22         }
23     }
24 }
25

```

```

WriterSeeder.php M ArticleSeeder.php X
database > seeders > ArticleSeeder.php > ArticleSeeder > run
1  <?php
2
3  namespace Database\Seeders;
4
5  use Illuminate\Database\Console\Seeds\WithoutModelEvents;
6  use Illuminate\Database\Seeder;
7  use App\Models\Writer;
8  use App\Models\Article;
9  use Faker\Factory as Faker;
10
11 class ArticleSeeder extends Seeder
12 {
13     /**
14      * Run the database seeds.
15      */
16     public function run(): void
17     {
18         $faker = Faker::create("id_ID");
19
20         // Fetch all writers
21         $writers = Writer::all();
22
23         // Define an array of articles
24         $arrayOfArticle = [
25             [
26                 "title" => "Machine Learning",
27                 "body" => $faker->paragraph,
28                 "photo_url" => "firstimg.png",
29                 "category" => "Data Science",
30                 "writer_id" => $writers->random()->id,
31             ],
32             [
33                 "title" => "Deep Learning",
34                 "body" => $faker->paragraph,
35                 "photo_url" => "dataScience2.png",
36                 "category" => "Data Science",
37                 "writer_id" => $writers->random()->id,
38             ],
39             [
40                 "title" => "Natural Language Processing",
41                 "body" => $faker->paragraph,
42                 "photo_url" => "dataScience3.png",

```

➔ Running all the migrations and Models

Migrations:

```
Article.php Writer.php 2024_10_31_194308_create_writers_table.php X 2024_10_31_194309_create_articles_table.php X
database > migrations > 2024_10_31_194308_create_writers_table.php > class > up
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('writers', function (Blueprint $table) {
15             $table->id();
16             $table->timestamps();
17             $table->string("name");
18             $table->string("job");
19             $table->string("photo_url");
20         });
21     }
22
23     /**
24      * Reverse the migrations.
25      */
26     public function down(): void
27     {
28         Schema::dropIfExists('writers');
29     }
30 };
31
```

```
Article.php Writer.php 2024_10_31_194308_create_writers_table.php 2024_10_31_194309_create_articles_table.php X
database > migrations > 2024_10_31_194309_create_articles_table.php > class > up > Closure
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('articles', function (Blueprint $table) {
15             $table->id();
16             $table->timestamps();
17             $table->string("title");
18             $table->text("body");
19             $table->string("photo_url");
20             $table->string("category");
21
22             $table->foreignId("writer_id")->constrained("writers")->onDelete("cascade");
23         });
24     }
25
26     /**
27      * Reverse the migrations.
28      */
29     public function down(): void
30     {
31         Schema::dropIfExists('articles');
32     }
33 };
34
```

Models:

```

Article.php x Writer.php x 2024_10_31_194308_create_writers_table.php 2024_10_31_194309_create_articles_table.php
app > Models > Writer.php > ...
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Model;
6
7 class Writer extends Model
8 {
9     protected $table = "writers";
10
11     protected $guarded = [];
12
13     public function article(){
14         return $this->hasMany(Article::class, 'writer_id');
15     }
16 }
17

```

```

Article.php x Writer.php 2024_10_31_194308_create_writers_table.php 2024_10_31_194309_create_articles_table.php
app > Models > Article.php > Article > writer
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Model;
6
7 class Article extends Model
8 {
9     protected $table = "articles";
10
11     protected $guarded = [];
12
13     public function writer(){
14         return $this->belongsTo(Writer::class);
15     }
16 }
17

```

➔ Using commands

- Php artisan migrate
- Php artisan db:seed --class=WriterSeeder
- Phh artisan db:seed --class=ArticleSeeder

➔ XAAMP database

Server: 127.0.0.1 » Database: quizbeforeuts

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Designer

Filters

Containing the word:

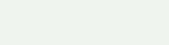
Table	Action	Rows	Type	Collation	Size	Overhead
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<input type="checkbox"/> cache_locks	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> failed_jobs	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> jobs	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> job_batches	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> migrations	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> password_reset_tokens	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
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<input type="checkbox"/> users	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> writers	★ Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
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Data Science

Apa itu Machine Learning? Beserta Pengertian dan Cara Kerjanya



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➔ All using Controllers and Routes

```
ArticleController.php X WriterController.php
app > Http > Controllers > ArticleController.php > ArticleController > show
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\Models\Article;
7
8  class ArticleController extends Controller
9  {
10     public function index($category)
11     {
12         $articles = Article::where('category', $category)->get();
13         return view('layouts.category')->with('articles', $articles)->with('category', $category);
14     }
15
16     public function show($id)
17     {
18         $articles = Article::where('id', $id)->first();
19         return view('layouts.articleDetail')->with('article', $articles);
20     }
21
22     public function showAllArticleByWriterID($writer_id)
23     {
24         $articles = Article::where('writer_id', $writer_id)->get();
25         return view('layouts.writerDetail')->with('articles', $articles);
26     }
27 }
28

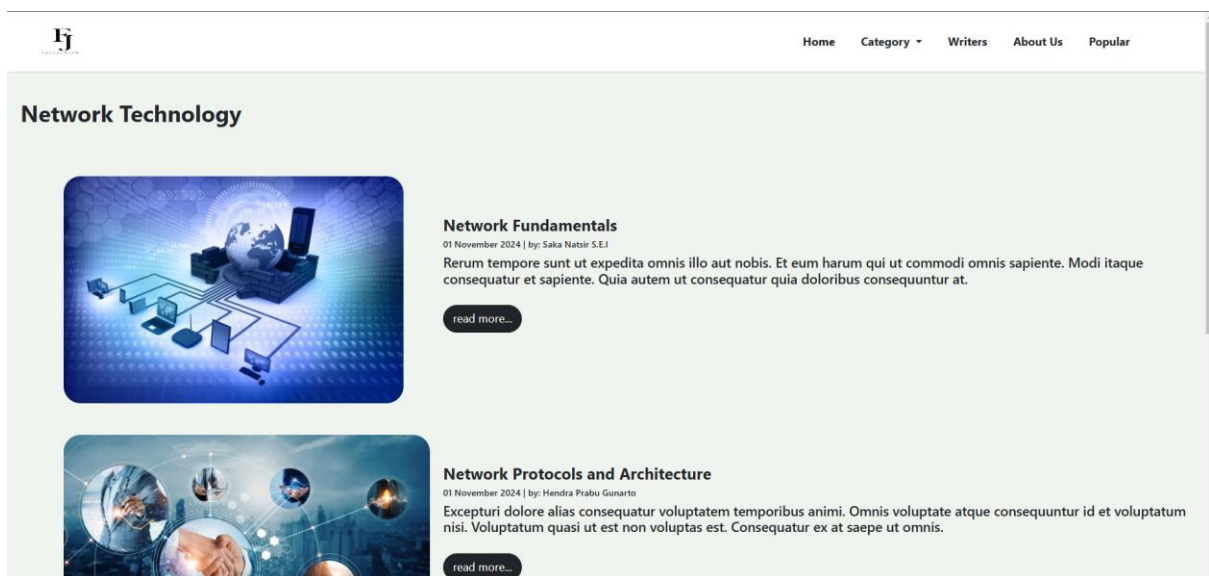
ArticleController.php X WriterController.php X
app > Http > Controllers > WriterController.php > WriterController
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\Models\Writer;
7
8  class WriterController extends Controller
9  {
10     public function index(){
11         $writers = Writer::all();
12         return view('layouts.writer')->with('writers', $writers);
13     }
14
15     public function show($id)
16     {
17         $writer = Writer::with('article')->find($id);
18         return view('layouts.writerDetail')->with('writer', $writer)->with('articles', $writer->article);
19     }
20 }
21
```



```
routes > web.php > ...
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\ArticleController;
5 use App\Http\Controllers\WriterController;
6
7 Route::get('/', function () {
8     return view('layouts.home');
9 })->name('home');
10
11 Route::get('/about', function() {
12     return view("layouts.about");
13 })->name('about');
14
15 Route::get('/category/{id}', [ArticleController::class, 'index'])->name('category');
16
17 Route::get('/article/{id}', [ArticleController::class, 'show'])->name('article');
18
19 Route::get('/writer', [WriterController::class, 'index'])->name('writer');
20
21 Route::get('/writer/{id}', [WriterController::class, 'show'])->name('writerDetail');
22

ArticleController.php WriterController.php articleDetail.blade.php X
resources > views > layouts > articleDetail.blade.php > div.container-fluid.pt-5.ps-4 > h1.fw-bold.fs-1
1 @extends('layouts.master')
2
3 @section('title', "Detail Article")
4
5 @section('content')
6 <div class="container-fluid pt-5 ps-4" style="background-color: #eff4ee;" >
7     <h1 class="fw-bold fs-1">{{ $article->category }}</h1>
8
9     <div class="row">
10         <div class="col-12">
11             title }}" style="border-radius: 30px; width:100%; height:60%"
12             <h6 class="mt-3 ms-4">{{ $article->created_at->format('d F Y')}} | by: {{ $article->writer->name }}</h6>
13             <h4 class="mb mt-3 ms-4">{{ $article->body }}</h4>
14             <h4 class="mb-5 mt-3 ms-4">Lorem ipsum dolor sit amet consectetur adipiscing elit. Proident voluptate commodi assumenda, hic alias officia tempore ex aperiam facere
15         </div>
16     </div>
17 </div>
18
19 @endsection
```

➔ Category -> Network Technology





Network Protocols and Architecture

01 November 2024 | by: Hendra Prabu Gunarto

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Introduction to Network Security

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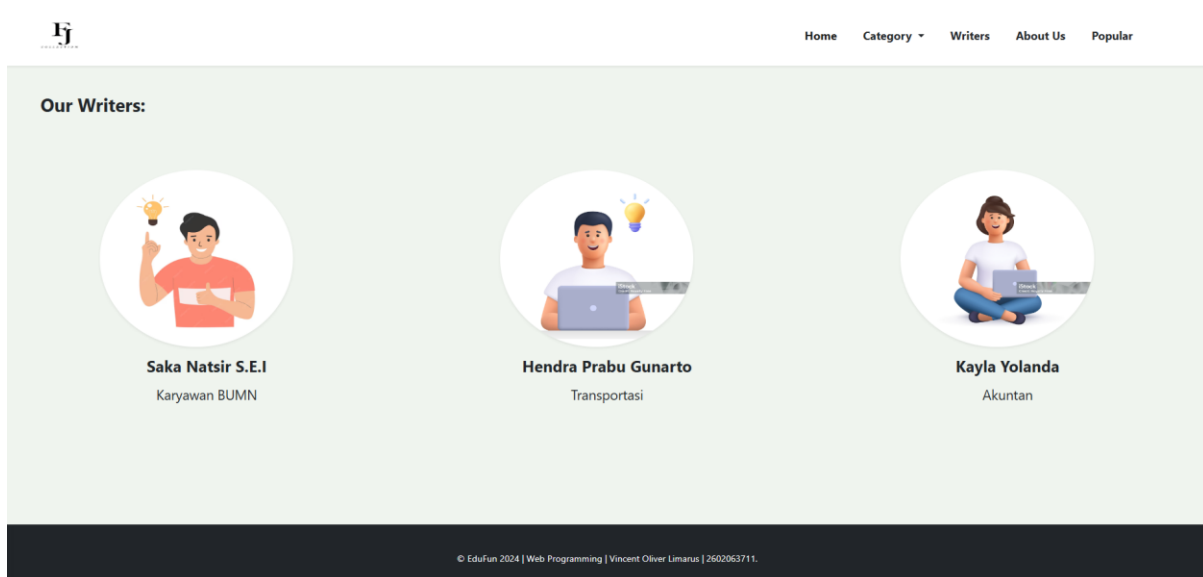
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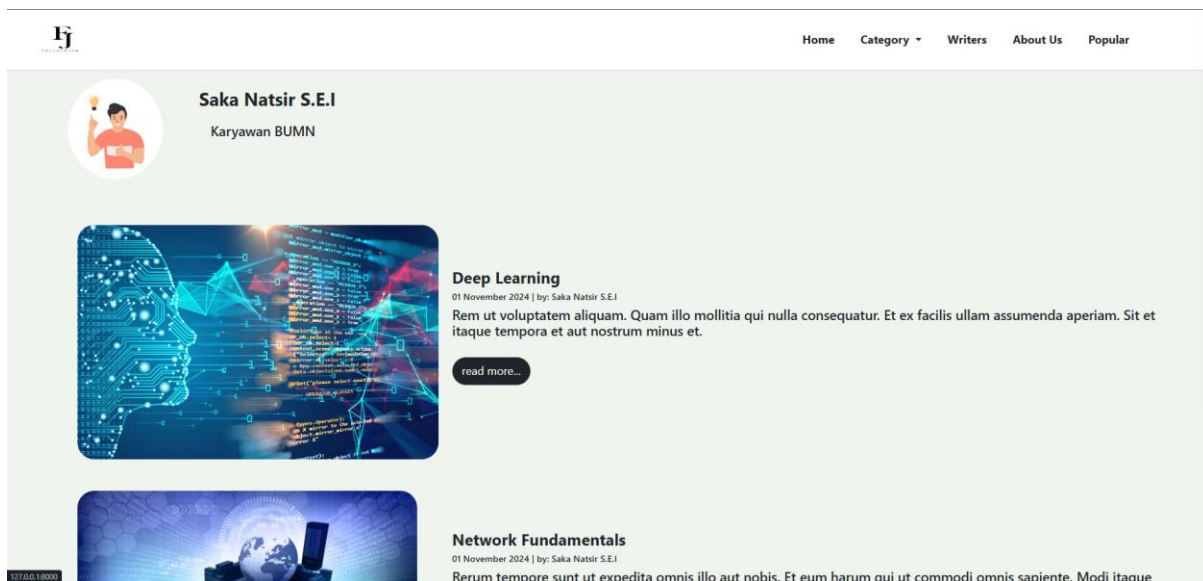
3. Writers Page



Using data in database

```
resources > views > layouts > writer.blade.php > div.container-fluid > div.row > div.col-md-4 > a
1 @extends('layouts.master')
2
3 @section('title', 'Writers')
4
5 @section('content')
6 <div class="container-fluid" style="background-color: #eff4ee">
7 <h2 class="pt-5 ps-5 fw-bold">Our Writers:</h2>
8
9 <div class="row" style="margin-top: 6rem">
10 @foreach ($writers as $writer)
11 <div class="col-md-4">
12 <a href="{{route('writerDetail', ['id'=>$writer->id])}}">
13 
14 </a>
15 <h1 class="text-center fs-3 fw-bold mt-3">{{ $writer->name }}</h1>
16 <p class="text-center fs-4 mt-3" style="margin-bottom: 10rem">{{ $writer->job }}</p>
17 </div>
18 @endforeach
19 </div>
20 </div>
21 @endsection
```

➔ Click on the writer image





Deep Learning

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Network Fundamentals

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