



MATERI PERSIAPAN

**UJI SERTIFIKASI PROFESI
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SMK Telkom Sandhy Putra Jakarta**

**Kompetensi keahlian
Rekayasa Perangkat Lunak
2023**

Beberapa folder yang akan sering digunakan berikut dengan gambarannya :

Controller = Menyambungkan views dengan model (logic).

Model = Menghubungkan website dengan tabel yang ada pada database.

Views = Membuat tampilan website.

Route = Mengatur routing URL untuk berpindah halaman.

Setelah menyelesaikan modul ini, disarankan untuk menyimak materi dari *Playlist Web Programming Unpas* : *Belajar Laravel 8* :
https://www.youtube.com/watch?v=HqAMb6kqILs&list=PLFIM0718LjIWiihbBlq-SWPU6b6x21Q_2

Syarat melakukan instalasi Laravel 8 :

- PHP versi 7.3 keatas. Disarankan untuk menginstall XAMPP terbaru (PHP 8.x.x)
- Composer

Pada modul ini, versi PHP yang digunakan adalah

PHP 8.1.9 & Composer versi 2.2.7

1. Instalasi Laravel pada cmd dengan perintah **composer create-project laravel/laravel:^8.0 namaproject**

Pada sintaks **laravel/laravel:^8.0** berarti kita akan menginstall Laravel versi 8. Jika terdapat error saat instalasi, disarankan menggunakan **GitBash**.
Link download GitBash (windows) : <https://git-scm.com/download/win>

```
MINGW64/c/xampp/htdocs
Fachrul Rozi@Fachrul-Rozi MINGW64 /c/xampp/htdocs
$ composer create-project laravel/laravel:^8.0 bootcamp\sp
```

```
MINGW64/c/xampp/htdocs
Fachrul Rozi@Fachrul-Rozi MINGW64 /c/xampp/htdocs
$ composer create-project laravel/laravel:^8.0 bootcamp\sp
Creating a "laravel/laravel:^8.0" project at "./bootcamp\sp"
Installing laravel/laravel (v8.6.12)
- Installing laravel/laravel (v8.6.12): Extracting archive
Created project in C:\xampp\htdocs\bootcamp\sp
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
```

```

MINGW64/c:/xampp/htdocs
- Installing phpunit/php-invoker (3.1.1): Extracting archive
- Installing phpunit/php-file-iterator (3.0.6): Extracting archive
- Installing theseer/tokenizer (1.2.1): Extracting archive
- Installing sebastian/lines-of-code (1.0.3): Extracting archive
- Installing sebastian/complexity (2.0.2): Extracting archive
- Installing sebastian/code-unit-reverse-lookup (2.0.3): Extracting archive
- Installing phpunit/php-code-coverage (9.2.24): Extracting archive
- Installing phar-io/version (3.2.1): Extracting archive
- Installing phar-io/manifest (2.0.3): Extracting archive
- Installing myclabs/deep-copy (1.11.0): Extracting archive
- Installing doctrine/instantiator (2.0.0): Extracting archive
- Installing phpunit/phpunit (9.5.28): Extracting archive
73 package suggestions were added by new dependencies, use 'composer suggest' to see details.
Package swiftmailer/swiftmailer is abandoned, you should avoid using it. Use symfony/mailer instead.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/sail
Discovered Package: laravel/sanctum
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
76 packages you are using are looking for funding.
Use the 'composer fund' command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force
No publishable resources for tag [laravel-assets].
Publishing complete.
> @php artisan key:generate --ansi
Application key set successfully.
    
```

2. Masuk ke folder laravel yang sudah di download dan buka menggunakan VSCode

```

MINGW64/c:/xampp/htdocs
Fachrul Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs
$ cd bootcamp1sp
    
```

3. Jalankan terminal pada VSCode dan ketikkan **php artisan serve**.

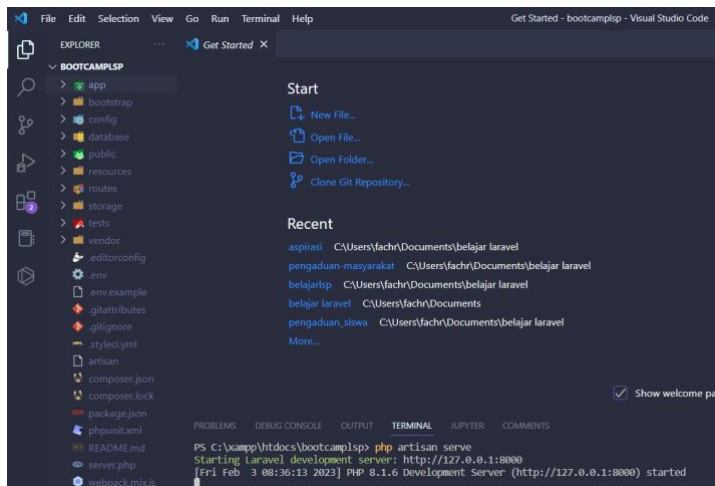
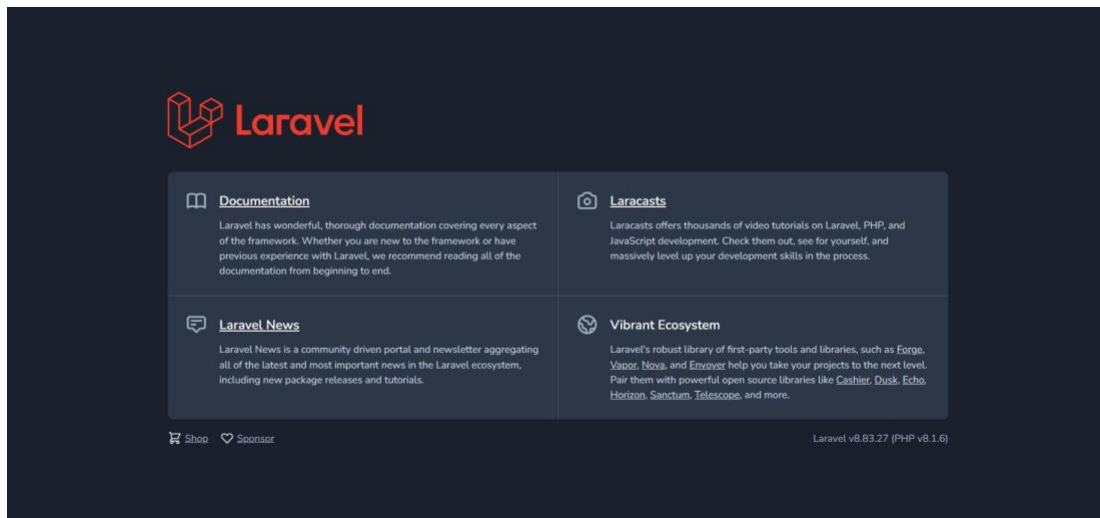
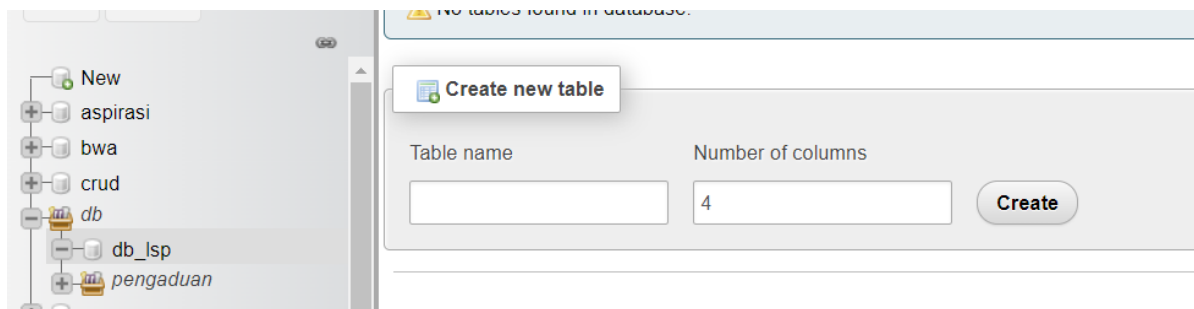


Figure 1 ctrl+j untuk membuka terminal di vscode

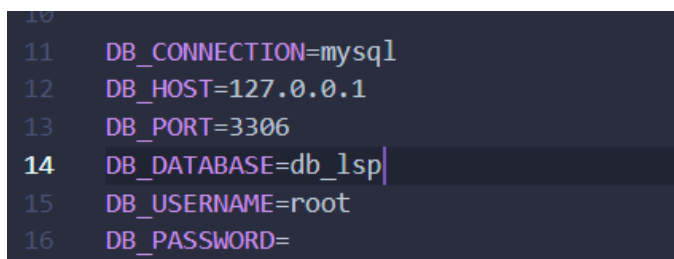
Browser akan membuka otomatis default project laravel.



4. Buat database dengan nama **db_lsp** dan biarkan kosong.

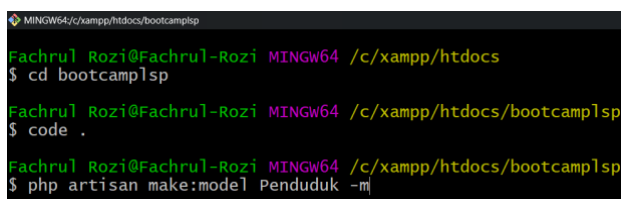


5. Buka file **.env** dan lakukan konfigurasi database seperti gambar berikut



Folder 1 Ubah nama database di .env

6. Sesuai dengan rancangan **ERD Aspirasi Masyarakat** (Soal latihan LSP), buat masing-masing model dengan perintah **php artisan make:model namamodel -m** model yang dibuat : Penduduk, Admin, Aspirasi, Input_aspirasi, Kategori



```

MINGW64/c:/xampp/htdocs/bootcamp\sp
Fachrul_Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs
$ cd bootcamp\sp

Fachrul_Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp\sp
$ code .

Fachrul_Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp\sp
$ php artisan make:model Penduduk -m
Model created successfully.
Created Migration: 2023_02_03_013900_create_penduduks_table

Fachrul_Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp\sp
$ php artisan make:model Admin -m
Model created successfully.
Created Migration: 2023_02_03_013944_create_admins_table

Fachrul_Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp\sp
$ php artisan make:model Aspirasi -m
Model created successfully.
Created Migration: 2023_02_03_013959_create_aspirasis_table

Fachrul_Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp\sp
$ php artisan make:model Input_aspirasi -m
Model created successfully.
Created Migration: 2023_02_03_014015_create_input_aspirasis_table

Fachrul_Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp\sp
$ php artisan make:model Kategori -m
Model created successfully.
Created Migration: 2023_02_03_014042_create_kategoris_table

Fachrul_Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp\sp
$

```

7. Membuat field **username** dan **password** yang akan muncul pada pada tabel admins database aspirasi_LSP.

```

public function up()
{
    Schema::create('admins', function (Blueprint $table) {
        $table->id();
        $table->string('username');
        $table->string('password');
        $table->timestamps();
    });
}

```

Folder 2 database\migrations\2023_02_03_013944_create_admins_table.php

8. Membuat field **nik**, **kategori_id**, **lokasi**, **ket** yang akan muncul pada pada tabel input_aspirasis database aspirasi_LSP.

```

public function up()
{
    Schema::create('input_aspirasis', function (Blueprint $table) {
        $table->id();
        $table->foreignId('nik');
        $table->foreignId('kategori_id');
        $table->string('lokasi');
        $table->text('ket');
        $table->timestamps();
    });
}

```

Folder 3 database\migrations\2023_02_03_014015_create_input_aspirasis_table.php

9. Membuat field **ket_kategori** yang akan muncul pada pada tabel kategoris database aspirasi_LSP.

```

*/
public function up()
{
    Schema::create('kategoris', function (Blueprint $table) {
        $table->id();
        $table->string('ket_kategori');
        $table->timestamps();
    });
}

```

Folder 4 database\migrations\2023_02_03_014042_create_kategoris_table.php

10. Membuat field **id_aspirasi, status, kategori_id, feedback** yang akan muncul pada pada tabel aspirasis database aspirasi_LSP.

```

*/
public function up()
{
    Schema::create('aspirasis', function (Blueprint $table) {
        $table->id();
        $table->integer('id_aspirasi');
        $table->enum('status', ['Menunggu', 'Proses', 'Selesai'])->default('Menunggu');
        $table->foreignId('kategori_id');
        $table->integer('feedback')->nullable();
        $table->timestamps();
    });
}

```

Folder 5 database\migrations\2023_02_03_013959_create_aspirasis_table.php

11. Membuat field **nama, alamat** yang akan muncul pada pada tabel penduduk database aspirasi_LSP.

```

*/
public function up()
{
    Schema::create('penduduks', function (Blueprint $table) {
        $table->id();
        $table->string('nama');
        $table->text('alamat');
        $table->timestamps();
    });
}

```

Folder 6 database\migrations\2023_02_03_013900_create_penduduks_table.php

12. Tambahkan kode berikut pada file `app\Models\Aspirasi.php`.
Logic untuk pencarian data baik pada halaman user / admin

```
class Aspirasi extends Model
{
    use HasFactory;
    protected $guarded = [];
    protected $with = ['input_aspirasi', 'kategori'];
    public function scopeFillter($query, array $fillters)
    {
        $query->when($fillters['search'] ?? false, function($query, $search)
        {
            return $query->where('id_aspirasi', 'like', '%'. $search.'%');
        });
        $query->when($fillters['kategori'] ?? false, function($query, $kategori)
        {
            return $query->where('kategori_id', 'like', '%'. $kategori.'%');
        });
        $query->when($fillters['waktu'] ?? false, function($query, $waktu)
        {
            return $query->where('created_at', 'like', '%'. $waktu.'%');
        });
        $query->when($fillters['status'] ?? false, function($query, $status)
        {
            return $query->where('status', 'like', '%'. $status.'%');
        });
    }

    public function kategori()
    {
        return $this->belongsTo(Kategori::class, 'kategori_id');
    }
    public function input_aspirasi()
    {
        return $this->belongsTo(Input_aspirasi::class, 'id_aspirasi');
    }
}
```

Folder 7 `app\Models\Aspirasi.php`

13. Tambahkan baris kode berikut pada model Input_aspirasi.php

```
8  class Input_aspirasi extends Model
9  {
10     use HasFactory;
11     protected $guarded = [];
12     public function aspirasi()
13     {
14         return $this->belongsTo(Aspirasi::class, 'id_aspirasi');
15     }
16     public function penduduk()
17     {
18         return $this->belongsTo(Penduduk::class, 'nik');
19     }
20 }
```

Folder 8 app\Models\Input_aspirasi.php

14. Tambahkan baris kode berikut pada model Kategori.php.

```
class Kategori extends Model
{
    use HasFactory;

    public function aspirasi()
    {
        return $this->hasMany(Aspirasi::class);
    }
}
```

Folder 9 app\Models\Kategori.php

15. Tambahkan baris kode berikut pada model Admin.php.

```
namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
use Illuminate\Foundation\Auth\User as Authenticatable;

class Admin extends Authenticatable
{
    use HasFactory;
}
```

Folder 10 app\Models\Admin.php (Mengubah extends model dengan Authenticatable dan menambahkan use Illuminate\Foundation\Auth\User as Authenticatable;

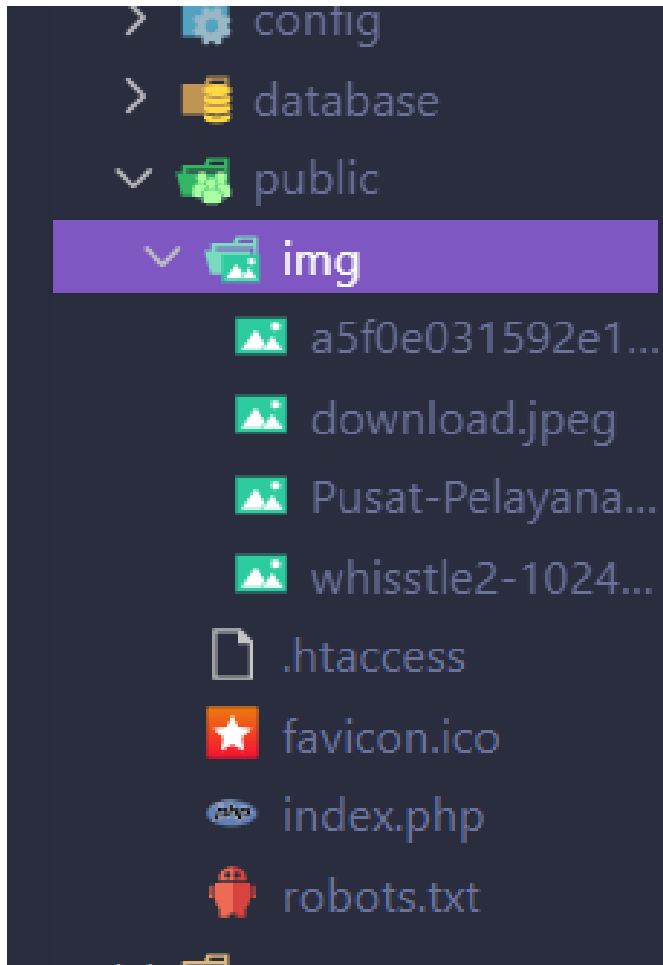
16. Merubah model **user** menjadi **admin**

```
'providers' => [
    'users' => [
        'driver' => 'eloquent',
        'model' => App\Models\Admin::class,
    ],

    // 'users' => [
    //     'driver' => 'database',
    //     'table' => 'users',
    // ],
],
```

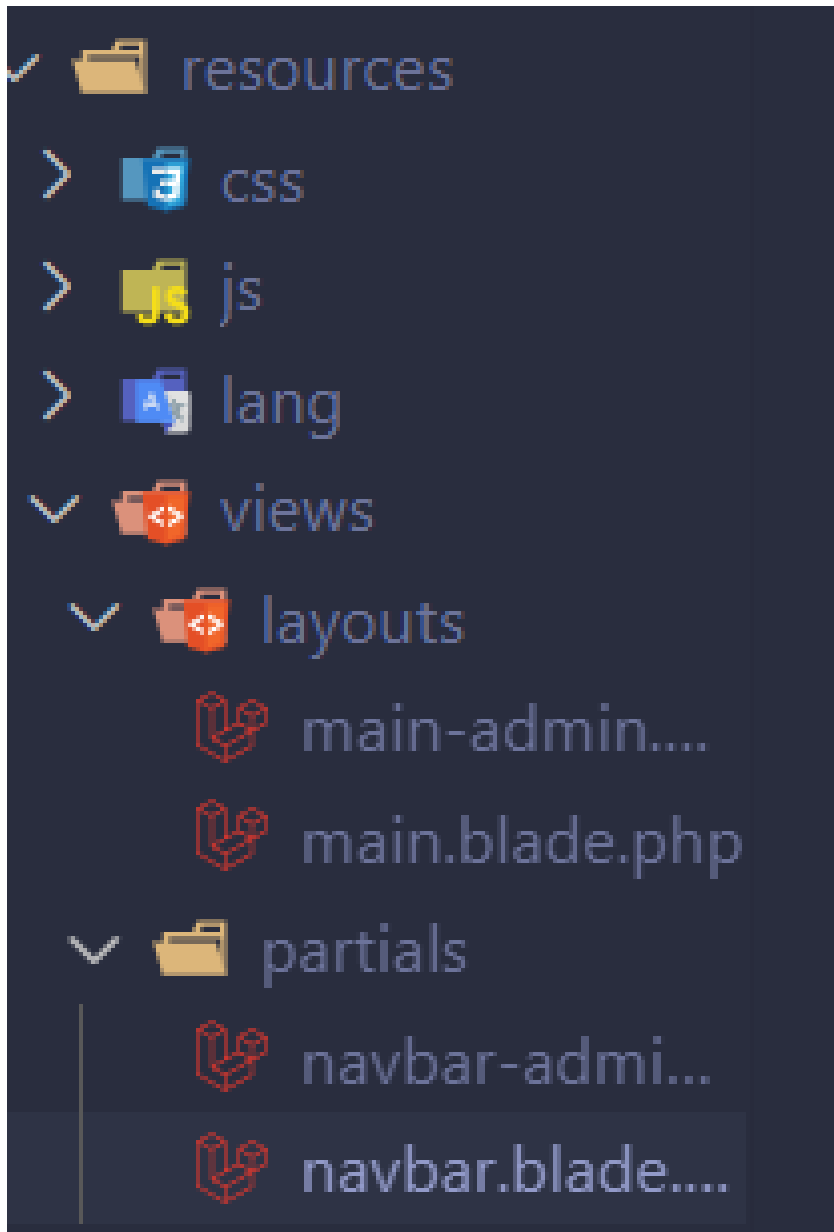
Folder 11 config/auth.php (Mengubah models user menjadi admin)

17. Pada folder public, buat folder baru bernama **img**. Folder img digunakan untuk menyimpan gambar yang akan muncul pada halaman utama aplikasi aspirasi.



Folder 12 public\img

18. Buka folder resources dan buat 2 folder baru pada folder views bernama **layouts** dan **partials**.



Folder 13 resources\views (Membuat Folder Layouts dan Partials)

NOTE : pada bagian views, seluruh tampilan website menggunakan styling Bootstrap 5. Dipersilahkan untuk menggunakan styling Bootstrap sesuai keinginan/kreatifitas masing-masing & tidak perlu mengikuti persis dengan di contoh.

19. Buat file baru pada folder layouts, beri nama `main.blade.php`.

File ini yang akan tampil sebagai halaman utama aplikasi saat dibuka, dengan styling menggunakan Bootstrap.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.3/font/bootstrap-icons.css">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-GlhtQ8iRABdZLL6O"
  <title>Aspirasi | {{ $title }}</title>
</head>
<body>
  @include('partials.navbar')
  <div class="container mt-4 mb-4">
    @yield('container')
  </div>
</body>
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iw
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-cVKIPhGwIC2A14u+LWgxfKTRICfu0JTXR+EQDz/bgldoEy
</html>
```

Folder 14 resources\views\layouts\main.blade.php

20. Buat file baru pada folder layouts, beri nama `main-admin.blade.php`.

File ini yang akan tampil sebagai halaman utama admin, dengan styling menggunakan Bootstrap.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-GlhtQ8iRABdZLL6O"
  <title>Aspirasi | {{ $title }}</title>
</head>
<body>
  @include('partials.navbar-admin')
  <div class="container mt-4 mb-4">
    @yield('container')
  </div>
</body>
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iw
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-cVKIPhGwIC2A14u+LWgxfKTRICfu0JTXR+EQDz/bgldoEy
</html>
```

Folder 15 resources\views\layouts\main-admin.blade.php

21. Buat file baru pada folder partials, beri nama `navbar-admin.blade.php`.

File ini yang akan tampil sebagai navbar halaman admin, dengan styling menggunakan Bootstrap.

```
<nav class="navbar navbar-expand-lg bg-light rounded-4 p-lg-3 p-sm-0 p-md-3">
  <div class="container">
    <a class="navbar-brand fw-bold text-primary fs-3" href="/admin">Aspirasi Masyarakat</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
      data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
      aria-expanded="false" aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse justify-content-end" id="navbarSupportedContent">
      <form action="/logout" method="post">
        @csrf
        <button type="submit" class="btn btn-sm btn-danger">Log Out</button>
      </form>
    </div>
  </div>
</nav>
```

Folder 16 resources\views\partials\navbar-admin.blade.php

22. Buat file baru pada folder partials, beri nama **navbar.blade.php**.

File ini yang akan tampil sebagai navbar halaman admin, dengan styling menggunakan Bootstrap.

```

1 <nav class="navbar navbar-light bg-light ">
2   <div class="container justify-content-between">
3     <a class="navbar-brand text-primary fw-bold fs-3" href="/">
4       Pengaduan Masyarakat
5     </a>
6     <a class="navbar-brand text-primary fw-bold fs-3" href="" data-bs-toggle="modal" data-bs-target="#exampleModal">
7       <i class="bi bi-bookmark-star-fill d-inline-block align-text-top "></i>
8     </a>
9   </div>
10 </nav>
11
12 <div class="container"> @if (session()-has('LoginError'))
13   <div class="alert alert-danger my-3 alert-dismissible fade show" role="alert">
14     {{ session('LoginError') }}
15     <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
16   </div>
17 @endif</div>
18 <div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
19   <div class="modal-dialog modal-dialog-centered">
20     <div class="modal-content">
21       <div class="modal-header">
22         <h1 class="modal-title fs-5" id="exampleModalLabel">Login Admin</h1>
23         <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
24       </div>
25       <div class="modal-body">
26         <form action="/login" method="post">
27           @csrf
28           <div class="mb-3">
29             <label for="recipient-name" class="col-form-label">Username</label>
30             <input type="text" value="{{ old('username') }}" class="form-control @error('username') is-invalid @enderror" autofocus name="username" id="recipient-name">
31             @error('username')
32               <div class="invalid-feedback">{{ $message }}</div>
33             @enderror
34           </div>
35           <div class="mb-3">
36             <label for="message-text" class="col-form-label">Password</label>
37             <input type="password" class="form-control @error('password') is-invalid @enderror" autofocus name="password" id="">
38             @error('password')
39               <div class="invalid-feedback">{{ $message }}</div>
40             @enderror
41           </div>
42         </div>
43         <div class="modal-footer">
44           <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
45           <button type="submit" class="btn btn-primary">Login</button>
46         </div>
47       </form>
48     </div>
49   </div>
50 </div>
51 </div>
52

```

Folder 17 resources\views\partials\navbar.blade.php

23. Buat file **home.blade.php** pada folder views.

File ini digunakan untuk mengatur isi konten halaman home user.

```

1 @extends('layouts.main')
2 @section('container')
3 <div class="row">
4   <div class="col-12 mb-4">
5     
7   </div>
8   <div class="col-12">
9     <Article>
10      <h1 class="fw-bold mb-2">Layanan Pengaduan Masyarakat</h1>
11      <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Ab facilis in est optio fugiat recusandae illum quasi vel reprehenderit,
12      <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Numquam cum earum quidem? Ullam quibusdam sequi cupiditate laudantium hi
13    </Article>
14  </div>
15  <div class="col-12">
16    <a href="/aspirasi" class="btn btn-primary fw-bold">Yuk Ajukan Aspirasi</a>
17  </div>
18 </div>
19 @endsection

```

Folder 18 resources\views\home.blade.php

24. Buat file **aspirasi.blade.php** pada folder views. File ini digunakan untuk mengatur isi konten halaman input aspirasi user.

```

1  @extends('layouts.main')
2  @section('container')
3  <section id="input" style="height: 100vh;">
4      <div class="row d-flex justify-content-center">
5          <div class="col-sm-12 col-md-8 col-lg-6">
6              @if (request('id') != null)
7                  <div class="alert mt-3 alert-warning alert-dismissible fade show" role="alert">
8                      <strong>Terimakasih Telah Melakukan Pengaduan <br>
9                      Nomor Pengaduan : {{ request('id') }}</strong><br>
10                     <small>Silahkan Di Ingat Nomor pengaduannya!!</small>
11                     <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
12                 </div>
13             @endif
14             @if (request('nik') != null)
15                 <div class="alert mt-3 alert-danger alert-dismissible fade show" role="alert">
16                     <strong>NIK Anda Belum Terdaftar!! </strong><br>
17                     <small>Silahkan Isi Datanya Kembali Dengan Benar</small>
18                     <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
19                 </div>
20             @endif
21             <div class="card">
22                 <div class="card-body p-5">
23                     <form action="/aspirasi/store" method="POST">
24                         @csrf
25                         <div class="mb-3">
26                             <label class="form-label fw-bold">ID Pelapor</label>
27                             <input type="text" name="id" class="form-control bg-primary text-light fw-bold" readonly
28                                 value="{{ $no }}">
29                         </div>
30                         <div class="mb-3">
31                             <label class="form-label fw-bold">Nomor Induk Kependudukan</label>
32                             <input type="number" name="nik" value="{{ old('nik') }}"
33                                 class="form-control @error('nik') is-invalid @enderror">
34                             @error('nik')
35                             <div class="invalid-feedback">
36                                 {{ $message }}
37                             </div>
38                             @enderror
39                         </div>
40                         <div class="mb-3">
41                             <label class="form-label fw-bold">Kategori</label>
42                             <div class="container row d-flex justify-content-center">
43                                 <div class="col-12 bg-warning rounded-4 bg-gradient p-3">
44                                     <div class="row">
45                                         @foreach ($kategori as $kat)
46                                             <div class="col-sm-12 col-lg-4 col-md-12">
47                                                 <input class="form-check-input" value="{{ $kat->id }}" type="radio"
48                                                     name="kategori_id" id="id_kategori1">
49                                                 <label class="form-check-label" for="id_kategori1">
50                                                     {{ $kat->ket_kategori }}
51                                                 </label>
52                                             </div>
53                                         @endforeach
54                                     </div>
55                                 </div>
56                             </div>
57                         </div>
58                         <div class="mb-3">
59                             <label class="form-label fw-bold">Lokasi</label>
60                             <input type="text" name="lokasi" value="{{ old('lokasi') }}"
61                                 class="form-control @error('lokasi') is-invalid @enderror">
62                             @error('lokasi')
63                             <div class="invalid-feedback">
64                                 {{ $message }}
65                             </div>
66                             @enderror
67                         </div>
68                         <div class="mb-3">
69                             <label class="form-label fw-bold">Keterangan</label>
70                             <textarea name="ket" id="" value="{{ old('ket') }}"
71                                 class="form-control @error('ket') is-invalid @enderror" rows="2"></textarea>
72                             @error('ket')
73                             <div class="invalid-feedback">
74                                 {{ $message }}
75                             </div>
76                             @enderror
77                         </div>
78                         <button type="submit" class="btn btn-primary">Submit</button>
79                     </form>
80                 </div>
81             </div>
82         </div>
83     </div>
84 </section>
85 </div>
86 </div>
87 </section>
88

```

Folder 19 resources\views\aspirasi.blade.php


```

1
2 <section id="aspirasi" class="py-4 justify-content-center" style="height: 100vh;">
3   <div class="row justify-content-center">
4     <div class="col-12 mb-3">
5       <nav class="navbar navbar-expand-lg bg-light shadow border-bottom rounded-4 p-lg-3 p-sm-0 p-md-3">
6         <div class="container">
7           <a class="navbar-brand fw-bold text-primary fs-3" href="/aspirasi">Lihat Pengaduan</a>
8           <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
9             data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
10            aria-expanded="false" aria-label="Toggle navigation">
11             <span class="navbar-toggler-icon"></span>
12           </button>
13           <div class="collapse navbar-collapse justify-content-end" id="navbarSupportedContent">
14
15         </div>
16       </nav>
17     </div>
18     <div class="col-6 mt-4">
19       <div class="card shadow">
20         <div class="card-body">
21           <div class="row">
22             <div class="col-12 pb-3 border-bottom">
23               <form action="/aspirasi" class="" method="get">
24                 <label class="form-label fw-bold">Nomor Pengaduan</label>
25                 <div class="input-group">
26                   <input type="text" required name="search" value="{{ request('search') }}"
27                     class="form-control" placeholder="Masukkan Nomor Pengaduan"
28                     aria-label="Recipient's username" aria-describedby="button-addon2">
29                   <button class="btn btn-outline-secondary" type="submit" id="button-addon2"><i>
30                     class="bi bi-search"</i></button>
31                 </div>
32               </form>
33             </div>
34             @if (request('search') != null)
35               <div class="col-12 px-4 py-3">
36                 @foreach ($aspirasi as $as)
37                   <div class="d-flex">
38                     <div class="fw-bold p-0 m-0 me-2">Nomor Pengaduan : </div>
39                     <div class="p-0 m-0">{{ $as->id }}</div>
40                   </div>
41                   <div class="d-flex">
42                     <div class="fw-bold p-0 m-0 me-2">Status : </div>
43                     <div class="p-0 m-0">{{ $as->status }}</div>
44                   </div>
45                   <div class="d-flex">
46                     <div class="fw-bold p-0 m-0 me-2">Kategori : </div>
47                     <div class="p-0 m-0">{{ $as->kategori->ket_kategori }}</div>
48                   </div>
49                   <div class="d-flex">
50                     <div class="fw-bold p-0 m-0 me-2">Alamat : </div>
51                     <div class="p-0 m-0">{{ $as->input_aspirasi->lokasi }}</div>
52                   </div>
53                   <div class="d-block">
54                     <div class="fw-bold p-0 m-0 me-2">Keterangan : </div>
55                     <div class="p-0 m-0">{{ $as->input_aspirasi->ket }}</div>
56                   </div>
57                 </div>
58               @if ($as['status'] == 'Selesai' and $as['feedback'] == null)
59                 <form action="/aspirasi/feedback" method="POST" class="p-2 rounded-2 text-center">
60                   @srf
61                     <div class="btn btn-dark">
62                       <input type="hidden" name="id_aspirasi" value="{{ $as->id }}">
63                       <input type="radio" class="" required name="feedback" value="1" id="">
64                       <label class="form-check-label">
65                         1
66                       </label>
67                     </div>
68                     <div class="btn btn-danger">
69                       <input type="radio" name="feedback" required value="2" id="">
70                       <label class="form-check-label">
71                         2
72                       </label>
73                     </div>
74                     <div class="btn btn-warning">
75                       <input type="radio" name="feedback" required value="3" id="">
76                       <label class="form-check-label">
77                         3
78                       </label>
79                     </div>
80                     <div class="btn btn-success">
81                       <input type="radio" name="feedback" required value="4" id="">
82                       <label class="form-check-label">
83                         4
84                       </label>
85                     </div>
86                     <div class="btn btn-primary"> <input type="radio" required name="feedback" value="5"
87                       id="">
88                       <label class="form-check-label">
89                         5
90                       </label>
91                     </div>
92                   <button type="submit" class="btn btn-secondary text-light"><i>
93                     class="bi bi-send-fill"</i></button>
94                 </form>
95               @endif
96             </div>
97           @endforeach
98         @else
99           @endif
100       </div>
101     </div>
102   </div>
103 </div>
104 </div>
105 </div>
106 </div>
107 </section>
108 @endsection
109

```

Folder 20 resources\views\aspirasi.blade.php

25. Buat file admin.blade.php. File ini digunakan untuk mengatur isi konten halaman home admin.

```

1 @extends('layouts.main-admin')
2 @section('container')
3 <section id="" class="justify-content-center py-4" style="height: 100vh">
4   <div class="row">
5     <div class="col-12">
6       <div class="card">
7         <div class="card-body p-4">
8           <div class="nav nav-tabs">
9             <li class="nav-item">
10              <a class="nav-link active" aria-current="page" data-bs-toggle="tab" href="#aspirasi">Aspirasi</a>
11            </li>
12            <li class="nav-item">
13              <a class="nav-link" href="#history" data-bs-toggle="tab">History</a>
14            </li>
15          </div>
16        </div>
17      </div>
18      <div class="row my-2 mt-4 justify-content-center">
19        <div class="col-8">
20          <div class="row justify-content-center">
21            <div class="col-3">
22              <div class="dropdown">
23                <button class="btn btn-outline-secondary w-100 dropdown-toggle" type="button" id="dropdownMenuButton1" data-bs-toggle="dropdown" aria-expanded="false">
24                  Kategori
25                </button>
26                <div class="dropdown-menu" aria-labelledby="dropdownMenuButton1">
27                  @foreach ($kategori as $kat)
28                    <li><a class="dropdown-item" href="/admin/kategori/{{ $kat->id }}">{{ $kat->ket_kategori }}</a></li>
29                  @endforeach
30                </div>
31              </div>
32            </div>
33            <div class="col-3">
34              <div class="dropdown">
35                <button class="btn btn-outline-secondary w-100 dropdown-toggle" type="button" id="dropdownMenuButton1" data-bs-toggle="dropdown" aria-expanded="false">
36                  Status
37                </button>
38                <div class="dropdown-menu" aria-labelledby="dropdownMenuButton1">
39                  <li><a class="dropdown-item" href="/admin/status-Menunggu">Menunggu</a></li>
40                  <li><a class="dropdown-item" href="/admin/status-Proses">Proses</a></li>
41                  <li><a class="dropdown-item" href="/admin/status-Selesai">Selesai</a></li>
42                </div>
43              </div>
44            </div>
45          </div>
46          <div class="col-3">
47            <form action="/admin" method="get">
48              <div class="input-group mb-3">
49                <input type="text" required class="form-control" value="{{ request('waktu') }}" name="waktu" aria-label="Recipient's username" aria-describedby="button-addon2">
50                <button class="btn btn-outline-secondary" type="submit" id="button-addon2"><i class="bi bi-search"></i></button></div>
51              </div>
52            </div>
53            <div class="col-3">
54              <form action="/admin" method="get">
55                <div class="input-group mb-3">
56                  <input type="text" required name="search" value="{{ request('search') }}" class="form-control" placeholder="Nomor aspirasi" aria-label="Recipient's username" aria-describedby="button-addon2">
57                  <button class="btn btn-outline-secondary" type="submit" id="button-addon2"><i class="bi bi-search"></i></button>
58                </div>
59              </form>
60            </div>
61          </div>
62        </div>
63      </div>
64    </div>
65  </div>

```

Folder 21 resources\views\admin.blade.php

```

1 <div class="tab-content">
2   <div role="tabpanel" id="aspirasi" class="tab-pane active">
3     <div class="row">
4       <div class="col-12">
5         <table class="table border-top">
6           <thead>
7             <tr>
8               <th scope="col">No</th>
9               <th scope="col">Nama</th>
10              <th scope="col">Kategori</th>
11              <th scope="col">Lokasi</th>
12              <th scope="col">Keterangan</th>
13              <th scope="col">Waktu</th>
14              <th scope="col">Aksi</th>
15            </tr>
16          </thead>
17          <tbody>
18            @foreach ($aspirasi as $as)
19              <tr>
20                <th scope="row">{{ $as->id }}</th>
21                <td>{{ $as->input_aspirasi->penduduk->nama }}</td>
22                <td>{{ $as->kategori->ket_kategori }}</td>
23                <td>{{ $as->input_aspirasi->lokasi }}</td>
24                <td>{{ $as->input_aspirasi->ket }}</td>
25                <td>{{ $as->created_at }}</td>
26                <td>
27                  @if ($as['status'] == 'Menunggu')
28                    <form action="/admin/status" method="post">
29                      @csrf
30                      <input type="hidden" name="status" value="Proses">
31                      <input type="hidden" name="id_aspirasi"
32                        value="{{ $as->id_aspirasi }}">
33                      <button type="submit"
34                        class="btn btn-primary btn-sm mb-3 w-100">Proses</button>
35                    </form>
36                  @elseif ($as['status'] == 'Proses')
37                    <form action="/admin/status" method="post">
38                      @csrf
39                      <input type="hidden" name="status" value="Selesai">
40                      <input type="hidden" name="id_aspirasi"
41                        value="{{ $as->id_aspirasi }}">
42                      <button type="submit"
43                        class="btn btn-success btn-sm mb-3 w-100">Selesai</button>
44                    </form>
45                  @else
46                    <button type="submit"
47                      class="btn btn-secondary btn-sm mb-3 w-100 disabled">Selesai</button>
48                  @endif
49                </td>
50              </tr>
51            @endforeach
52          </tbody>
53        </table>
54        @if ($aspirasi->count())
55          @else
56            <p class="text-center fs-4 mt-5">Tidak ada Aspirasi Masyarakat. </p>
57          @endif
58        <div class="d-flex justify-content-end">
59          {{ $aspirasi->links() }}
60        </div>
61      </div>
62    </div>
63  </div>
64  <div role="tabpanel" id="history" class="tab-pane">
65    <div class="row">
66      <div class="col-12">
67        <table class="table border-top">
68          <thead>
69            <tr>
70              <th scope="col">No</th>
71              <th scope="col">Nama</th>
72              <th scope="col">Kategori</th>
73              <th scope="col">Lokasi</th>
74              <th scope="col">Keterangan</th>
75              <th scope="col">Waktu</th>
76              <th scope="col">Rating</th>
77            </tr>
78          </thead>
79          <tbody>
80            @foreach ($selesai as $as)
81              <tr>
82                <th scope="row">{{ $as->id }}</th>
83                <td>{{ $as->input_aspirasi->penduduk->nama }}</td>
84                <td>{{ $as->kategori->ket_kategori }}</td>
85                <td>{{ $as->input_aspirasi->lokasi }}</td>
86                <td>{{ $as->input_aspirasi->ket }}</td>
87                <td>{{ $as->created_at }}</td>
88                <td>
89                  <div class="text-center fw-bold">
90                    {{ $as->feedback }}
91                  </div>
92                </td>
93              </tr>
94            @endforeach
95          </tbody>
96        </table>
97        @if ($selesai->count())
98          @else
99            <p class="text-center fs-4 mt-5">Tidak ada Aspirasi Masyarakat. </p>
100          @endif
101        <div class="d-flex justify-content-end">
102          {{ $selesai->links() }}
103        </div>
104      </div>
105    </div>
106  </div>
107 </div>
108 </div>
109 </div>
110 </div>
111 </div>
112 </div>
113 </div>
114
115 </div>
116 </section>
117 @endsection
118
119

```

Folder 22 resources\views\admin.blade.php

26. Membuat Controller dengan perintah **php artisan make:Controller namacontroller**.

Controller yang dibuat : AdminController, AspirasiController, LoginController

```
MINGW64:/c:/xampp/htdocs/bootcamp/sp
Fachrul Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp/sp
$ php artisan make:controller AdminController
Controller created successfully.

Fachrul Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp/sp
$ php artisan make:controller AspirasiController
Controller created successfully.

Fachrul Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp/sp
$ php artisan make:controller LoginController
Controller created successfully.

Fachrul Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp/sp
$
```

Folder 23 Membuat Controller admin, aspirasi, dan login

27. Pada file **AdminController.php** tambahkan baris kode berikut.

File ini yang mengatur sortir admin ketika ingin melihat aspirasi berdasarkan tanggal/status/kategori/nomor aspirasi.

```
<?php

namespace App\Http\Controllers;

use App\Models\Aspirasi;
use App\Models\Kategori;
use Illuminate\Http\Request;

class AdminController extends Controller
{
    public function index()
    {
        return View('Admin', [
            'title' => 'Admin',
            'kategori' => Kategori::all(),
            'aspirasi' => Aspirasi::latest()->where('feedback', null)->fillter(request(['search', 'kategori', 'waktu', 'status']))->paginate(5),
            'selesai' => Aspirasi::latest()->where('status', "Selesai")->where('feedback', '!=', null)->fillter(request(['search', 'kategori', 'waktu']))->paginate(5)
        ]);
    }

    public function status(Request $request)
    {
        Aspirasi::where('id_aspirasi', $request->id_aspirasi)
            ->update(['status' => $request->status]);
        return redirect('/admin');
    }
}
```

Folder 24 app\Http\Controllers\AdminController.php

28. Pada file **AspirasiController.php** tambahkan baris kode berikut.

```
namespace App\Http\Controllers;

use App\Models\Aspirasi;
use App\Models\Input_aspirasi;
use App\Models\Kategori;
use App\Models\Penduduk;
use Illuminate\Http\Request;

class AspirasiController extends Controller
{
    public function index()
    {
        $aspirasi = Aspirasi::latest();
        $noUrut = $aspirasi->max('id');
        $kategori = Kategori::all();
        $id =abs($noUrut + 1);
        return View('aspirasi', [
            'title' => 'Pengaduan',
            'aspirasi' => $aspirasi->fillter(request(['search']))->get(),
            'no' => $id,
            'kategori' => $kategori,
        ]);
    }

    public function store(Request $request)
    {
        $this->validate($request, [
            'nik' => 'required',
            'lokasi' => 'required',
            'ket' => 'required'
        ]);

        $data = Penduduk::all()->where('id',$request->nik)->count();
        if ($data > 0) {
```

Folder 25 app\Http\Controllers\AspirasiController.php

```

        Input_aspirasi::create([
            'id' => $request->id,
            'nik' => $request->nik,
            'lokasi' => $request->lokasi,
            'kategori_id' => $request->kategori_id,
            'ket' => $request->ket,
        ]);
        Aspirasi::create([
            'id' => $request->id,
            'id_aspirasi' => $request->id,
            'kategori_id' => $request->kategori_id,
        ]);
        return Redirect("/aspirasi?id=$request->id");
    } else{
        return Redirect("/aspirasi?nik=$request->nik");
    }
}

public function feedback(Request $request)
{
    Aspirasi::where('id_aspirasi', $request->id_aspirasi)
    ->update(['feedback' => $request->feedback]);
    return redirect('/aspirasi#aspirasi');
}
}

```

Folder 26 app\Http\Controllers\AspirasiController.php

29. Pada file **LoginController.php** tambahkan baris kode berikut.

```
namespace App\Http\Controllers;

use Illuminate\Http\Request;
use Illuminate\Support\Facades\Auth;

class LoginController extends Controller
{
    public function login(Request $request)
    {
        $credentials = $request->validate([
            'username' => 'required',
            'password' => 'required',
        ]);
        if (Auth::attempt($credentials)) {
            $request->session()->regenerate();
            return redirect()->intended('/admin');
        }
        return back()->with('LoginError', 'Login Gagal!');
    }
    public function logout(Request $request)
    {
        Auth::logout();

        $request->session()->invalidate();

        $request->session()->regenerateToken();

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

Folder 27 app\Http\Controllers>LoginController.php

30. Pada file **web.php** yang ada didalam folder routes, tambahkan kode seperti digambar.

Routing digunakan untuk mengatur jalannya web / perpindahan halaman, berikut dengan data yang akan ditampilkan.

```
//home
Route::get('/', function () {
    return view('home', [
        'title' => 'Home',
    ]);
})->name('login');

//authentication
Route::post('/login', [LoginController::class, 'login']);
Route::post('/logout', [LoginController::class, 'logout']);

//aspirasi
Route::get('/aspirasi', [AspirasiController::class, 'index']);
Route::post('/aspirasi/store', [AspirasiController::class, 'store']);
Route::post('/aspirasi/feedback', [AspirasiController::class, 'feedback']);

//admin
Route::get('/admin', [AdminController::class, 'index'])->middleware('auth');
Route::post('/admin/status', [AdminController::class, 'status'])->middleware('auth');
```

Folder 28 routes/web.php

31. Untuk meng-inputkan value pada tiap-tiap field yang ada dalam tabel yang sudah dibuat diawal, tambahkan kode seperti digambar.

```
class DatabaseSeeder extends Seeder
{
    /**
     * Seed the application's database.
     *
     * @return void
     */
    public function run()
    {
        //Input Data Kategori
        Kategori::create([
            [
                'ket_kategori' => 'Kebersihan'
            ]
        ]);
        Kategori::create([
            [
                'ket_kategori' => 'Keamanan'
            ]
        ]);
        Kategori::create([
            [
                'ket_kategori' => 'Kesehatan'
            ]
        ]);
        //Input Data Penduduk
        penduduk::create([
            [
                'id' => '1103095804960418',
                'nama' => 'Michelle Unjani Riyanti S.Sos',
                'alamat' => 'Kpg. Ters. Buah Batu No. 76, Tegal 31072, DKI',
            ]
        ]);
        Penduduk::create([
            [
                'id' => '1209762804061170',
                'nama' => 'Zizi Patricia Safitri',
                'alamat' => 'Ki. Umalas No. 711, Bandung 39017, Riau',
            ]
        ]);
    }
}
```

Folder 29 database\seeders\DatabaseSeeder.php


```

Penduduk::create([
    'id' => '1506926508141921',
    'nama' => 'Ibrani Saptono',
    'alamat' => 'Kpg. Baing No. 743, Pekalongan 23758, Jambi',
]);
//Input Data Aspirasi
Aspirasi::create([
    'id' => 1,
    'id_aspirasi' => 1,
    'kategori_id' => 2,
    'status' => 'Menunggu',
]);
Aspirasi::create([
    'id' => 2,
    'id_aspirasi' => 2,
    'kategori_id' => 3,
    'status' => 'Menunggu',
]);
//Input Aspirasi
Input_aspirasi::create([
    'nik' => '1506926508141921',
    'kategori_id' => '2',
    'lokasi' => 'SMK TELKOM',
    'ket' => 'kehilangan motor',
]);
Input_aspirasi::create([
    'nik' => '1506926508141921',
    'kategori_id' => '3',
    'lokasi' => 'Kalideres',
    'ket' => 'Kali kotor',
]);
//input data admin
Admin::create([
    'username' => 'admin',
    'password' => bcrypt('password'),
]);

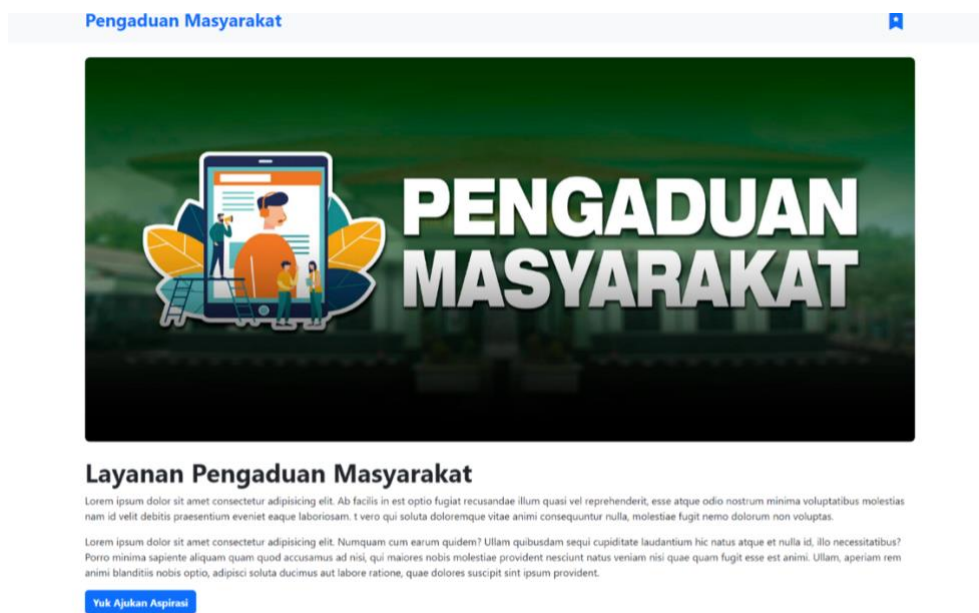
```

Folder 30 database\seeders\DatabaseSeeder.php

32. Lakukan migrasi database dengan perintah **php artisan migrate:fresh --seed** untuk melakukan upload value pada langkah sebelumnya.

```
MINGW64/c:/xampp/htdocs/bootcamp\sp
Fachrul Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp\sp
$ php artisan migrate:fresh --seed
Dropped all tables successfully.
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (33.39ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (32.01ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (42.36ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (48.72ms)
Migrating: 2023_02_03_013900_create_penduduks_table
Migrated: 2023_02_03_013900_create_penduduks_table (17.93ms)
Migrating: 2023_02_03_013944_create_admins_table
Migrated: 2023_02_03_013944_create_admins_table (22.50ms)
Migrating: 2023_02_03_013959_create_aspirasis_table
Migrated: 2023_02_03_013959_create_aspirasis_table (20.18ms)
Migrating: 2023_02_03_014015_create_input_aspirasis_table
Migrated: 2023_02_03_014015_create_input_aspirasis_table (18.11ms)
Migrating: 2023_02_03_014042_create_kategoris_table
Migrated: 2023_02_03_014042_create_kategoris_table (19.81ms)
Database seeding completed successfully.
Fachrul Rozi@Fachrul-Rozi MINGW64 /c:/xampp/htdocs/bootcamp\sp
$ |
```

Folder 31 melakukan php artisan migrate dan pengiriman data dari seeder



Folder 32 hasil ketika web sudah di refresh

Jangan lupa **Playlist Laravel 8 :**

https://www.youtube.com/watch?v=HqAMb6kqILs&list=PLFI M0718LjIWiihbBlq-SWPU6b6x21Q_2

<https://drive.google.com/file/d/1Vdh4Qddt3x1ql7TkYxWaDn su7J TrDD3/view?usp=sharing>