**TUGAS PRAKTIKUM**

**PRAKTIKUM PAW**

**MODUL 7 “CRUD - Laravel”**

****

|  |  |  |
| --- | --- | --- |
| **Disusun Oleh :** | | |
| Nama | : | Dewi Imani Al Qur’ Ani |
| Nim | : | 200411100014 |
| Kelas | : | PAW-B |
| **Dosen Pengampu :** | | |
| Nama | : | Ach. Khozaimi,S.Kom.,M.Kom. |
| Nip | : | 19860926 201404 1 001 |
| **Asisten Praktikum :** | | |
| Nama | : | M. Afifudin Abdullah |
| Nim | : | 190411100080 |

**PRODI TEKNIK INFORMATIKA**

**JURUSAN TEKNIK INFORMATIKA  
FAKULTAS TEKNIK**

**UNIVERSITAS TRUNOJOYO MADURA**

**2022**

Soal !

Buatlah projek laravel dimana fungsi dari Web App tersebut antara lain

1. Menambah Mahasiswa
2. Melihat semua Mahasiswa
3. Melihat mahasiswa berdasarkan NIM
4. Mengupdate data Mahasiswa
5. Menambah Nilai Mahasiswa (1 page berbeda dari update mahasiswa, karena khusus update untuk kolom nilai saja)
6. Menghapus Mahasiswa
7. Note :   
   - Attribute : nim, nama, umur, alamat, nilai  
   - Gunakan Blade Templating Engine  
   - Framework CSS seperti Bootstrap/TailwindCSS/etc diperbolehkan

Jawab :

1. .env = Membuat Koneksi Database

**Code :**

APP\_NAME=Laravel

APP\_ENV=local

APP\_KEY=base64:Xqm1j45gkQOqgZ2T8387RMK4XoTUy6jqcNvLR5dMMzk=

APP\_DEBUG=true

APP\_URL=http://localhost

LOG\_CHANNEL=stack

LOG\_DEPRECATIONS\_CHANNEL=null

LOG\_LEVEL=debug

DB\_CONNECTION=mysql

DB\_HOST=127.0.0.1

DB\_PORT=3306

DB\_DATABASE=prak7paw

DB\_USERNAME=root

DB\_PASSWORD=

BROADCAST\_DRIVER=log

CACHE\_DRIVER=file

FILESYSTEM\_DISK=local

QUEUE\_CONNECTION=sync

SESSION\_DRIVER=file

SESSION\_LIFETIME=120

MEMCACHED\_HOST=127.0.0.1

REDIS\_HOST=127.0.0.1

REDIS\_PASSWORD=null

REDIS\_PORT=6379

MAIL\_MAILER=smtp

MAIL\_HOST=mailhog

MAIL\_PORT=1025

MAIL\_USERNAME=null

MAIL\_PASSWORD=null

MAIL\_ENCRYPTION=null

MAIL\_FROM\_ADDRESS="hello@example.com"

MAIL\_FROM\_NAME="${APP\_NAME}"

**AWS\_ACCESS\_KEY\_ID=**

**AWS\_SECRET\_ACCESS\_KEY=**

**AWS\_DEFAULT\_REGION=us-east-1**

**AWS\_BUCKET=**

**AWS\_USE\_PATH\_STYLE\_ENDPOINT=false**

**PUSHER\_APP\_ID=**

**PUSHER\_APP\_KEY=**

**PUSHER\_APP\_SECRET=**

**PUSHER\_APP\_CLUSTER=mt1**

**MIX\_PUSHER\_APP\_KEY="${PUSHER\_APP\_KEY}"**

**MIX\_PUSHER\_APP\_CLUSTER="${PUSHER\_APP\_CLUSTER}"**

1. Membuat Tabel pada Database : databases/migration/2022….

<?php

use Illuminate\Database\Migrations\Migration;

use Illuminate\Database\Schema\Blueprint;

use Illuminate\Support\Facades\Schema;

return new class extends Migration

{

    /\*\*

     \* Run the migrations.

     \*

     \* @return void

     \*/

    public function up()

    {

        Schema::create('mahasiswas', function (Blueprint $table) {

            $table->id();

            $table->string('nim');

            $table->string('nama');

            $table->integer('umur');

            $table->string('alamat');

            $table->integer('nilai');

            $table->timestamps();

        });

    }

    /\*\*

     \* Reverse the migrations.

     \*

     \* @return void

     \*/

    public function down()

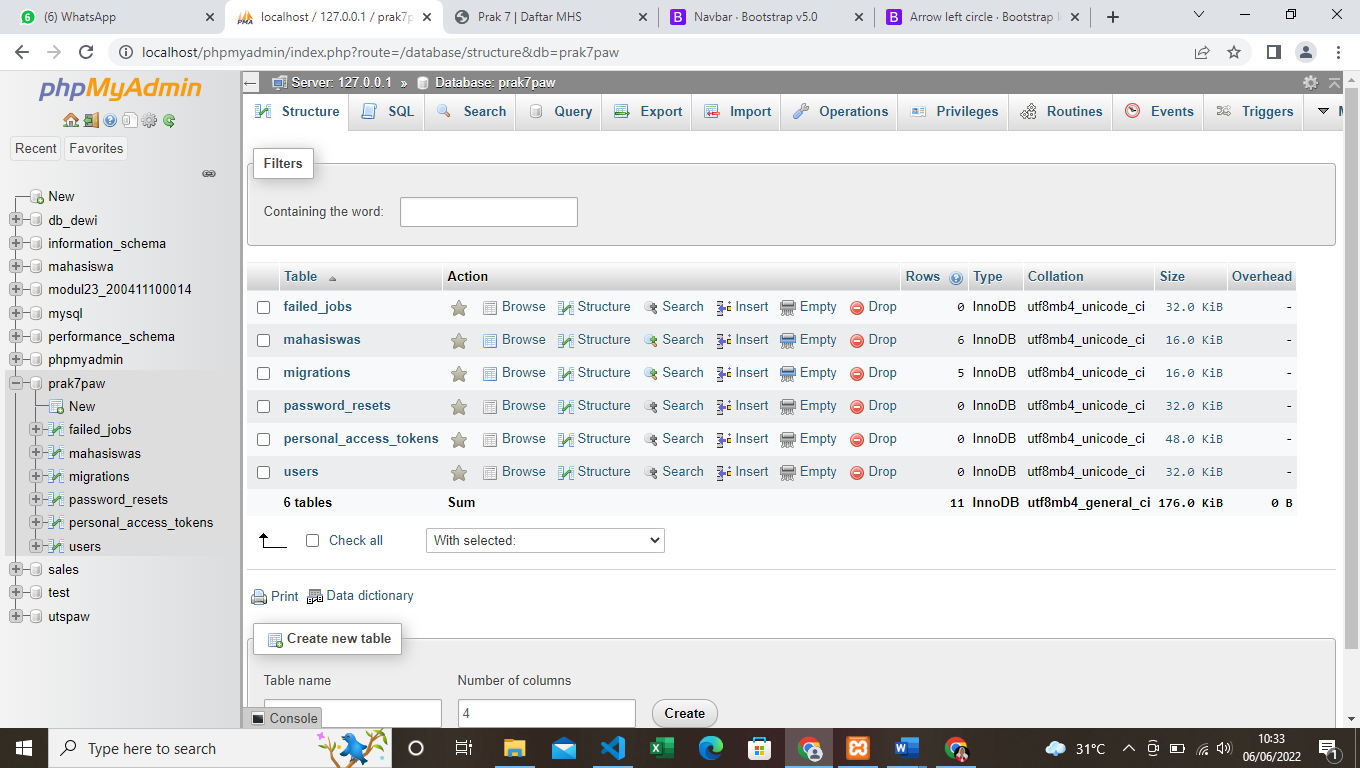
    {

        Schema::dropIfExists('mahasiswas');

    }

};

**Screenshoot :**



1. App/Http/Controllers/MahasiswaControllers : Sebuah control untuk mengatur arah jalannya dari route ke view maupun ke database.

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use App\Models\Mahasiswa;

class MahasiswaController extends Controller

{

    protected $guarded = ['id'];

    protected $fillable = ['nim','nama','umur','alamat','nilai'];

    /\*\*

     \* Display a listing of the resource.

     \*

     \* @return \Illuminate\Http\Response

     \*/

    public function index(Request $request)

    {

        if ($request->has('search')){

            $datas = Mahasiswa::where('nim','LIKE','%'.$request->search.'%')->paginate(5);

        }

        else{

            $datas = Mahasiswa::all();

        }

        return view('mahasiswa/mhs', ["judul" => "Data mahasiswa"], compact('datas'));

    }

    /\*\*

     \* Show the form for creating a new resource.

     \*

     \* @return \Illuminate\Http\Response

     \*/

    public function create()

    {

        $model = new Mahasiswa;

        return view('mahasiswa/create',compact('model'));

    }

    /\*\*

     \* Store a newly created resource in storage.

     \*

     \* @param  \Illuminate\Http\Request  $request

     \* @return \Illuminate\Http\Response

     \*/

    public function store(Request $request)

    {

        $model = new Mahasiswa;

        $model->nim = $request->nim;

        $model->nama = $request->nama;

        $model->umur = $request->umur;

        $model->alamat = $request->alamat;

        // $model->nilai = $request->nilai;

        $model->save();

        return redirect('/mahasiswa');

    }

    /\*\*

     \* Display the specified resource.

     \*

     \* @param  int  $id

     \* @return \Illuminate\Http\Response

     \*/

    public function show($id)

    {

        //

    }

    /\*\*

     \* Show the form for editing the specified resource.

     \*

     \* @param  int  $id

     \* @return \Illuminate\Http\Response

     \*/

    public function edit($id)

    {

        $model = Mahasiswa::find($id);

        return view('mahasiswa/edit',compact('model'));

    }

    /\*\*

     \* Update the specified resource in storage.

     \*

     \* @param  \Illuminate\Http\Request  $request

     \* @param  int  $id

     \* @return \Illuminate\Http\Response

     \*/

    public function update(Request $request, $id)

    {

        $model = Mahasiswa::find($id);

        $model->nim = $request->nim;

        $model->nama = $request->nama;

        $model->umur = $request->umur;

        $model->alamat = $request->alamat;

        // $model->nilai = $request->nilai;

        $model->save();

        return redirect('/mahasiswa');

    }

    /\*\*

     \* Remove the specified resource from storage.

     \*

     \* @param  int  $id

     \* @return \Illuminate\Http\Response

     \*/

    public function destroy($id)

    {

        $model = Mahasiswa::find($id);

        $model->delete();

        return redirect('mahasiswa');

    }

}

1. App/Http/Controllers/Mahasiswa2Controllers : Sebuah control untuk mengatur arah jalannya dari dari route dan view lalu edit nilai.

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use App\Models\Mahasiswa;

class Mahasiswa2Controller extends Controller

{

    protected $guarded = ['id'];

    protected $fillable = ['nim','nama','umur','alamat','nilai'];

    public function edit($id)

    {

        $model = Mahasiswa::find($id);

        return view('mahasiswa/editnilai',compact('model'));

    }

    /\*\*

     \* Update the specified resource in storage.

     \*

     \* @param  \Illuminate\Http\Request  $request

     \* @param  int  $id

     \* @return \Illuminate\Http\Response

     \*/

    public function update(Request $request, $id)

    {

        $model = Mahasiswa::find($id);

        // $model->nim = $request->nim;

        // $model->nama = $request->nama;

        // $model->umur = $request->umur;

        // $model->alamat = $request->alamat;

        $model->nilai = $request->nilai;

        $model->save();

        return redirect('/mahasiswa');

    }

}

1. App/models/Mahasiswa.php : Untuk buat database.

<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;

use Illuminate\Database\Eloquent\Model;

class Mahasiswa extends Model

{

    use HasFactory;

}

1. Resource/views/mahasiswa/create.blade.php : Digunakan untuk menambahkan data mahasiswa.

<!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://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin="anonymous">

    <title>Prak 7 | Create</title>

</head>

<body>

    <a href="\mahasiswa">

        <svg xmlns="http://www.w3.org/2000/svg" width="40" height="40" fill="currentColor" class="bi bi-arrow-left-circle" viewBox="0 0 16 16">

            <path fill-rule="evenodd" d="M1 8a7 7 0 1 0 14 0A7 7 0 0 0 1 8zm15 0A8 8 0 1 1 0 8a8 8 0 0 1 16 0zm-4.5-.5a.5.5 0 0 1 0 1H5.707l2.147 2.146a.5.5 0 0 1-.708.708l-3-3a.5.5 0 0 1 0-.708l3-3a.5.5 0 1 1 .708.708L5.707 7.5H11.5z"/>

        </svg>

    </a>

    <div class="container">

        <div class="card-body">

        <form action="{{url('mahasiswa')}}" method="POST" class="text-center">

            @csrf

            <table>

                <tr class="form-group">

                    <td>

                        <label>NIM</label>

                    </td>

                    <td>

                        <input type="text" name="nim" class="from-control" placeholder="Input NIM disini !" ruqueired>

                    </td>

                </tr>

                <tr class="form-group">

                    <td>

                        <label>NAMA</label>

                    </td>

                    <td>

                        <input type="text" name="nama" class="from-control" placeholder="Input nama disini !" ruqueired>

                    </td>

                </tr>

                <tr class="form-group">

                    <td>

                        <label>UMUR</label>

                    </td>

                    <td>

                        <input type="text" name="umur" class="from-control" placeholder="Input umur disini !" ruqueired>

                    </td>

                </tr>

                <tr class="form-group">

                    <td>

                        <label>ALAMAT</label>

                    </td>

                    <td>

                        <input type="text" name="alamat" class="from-control" placeholder="Input alamat disini !" ruqueired>

                    </td>

                </tr>

                <tr>

                    <td>

                        <button type="submit" class="btn btn-success" name="simpan">Save</button>

                    </td>

                </tr>

                {{ method\_field('POST') }}

            </table>

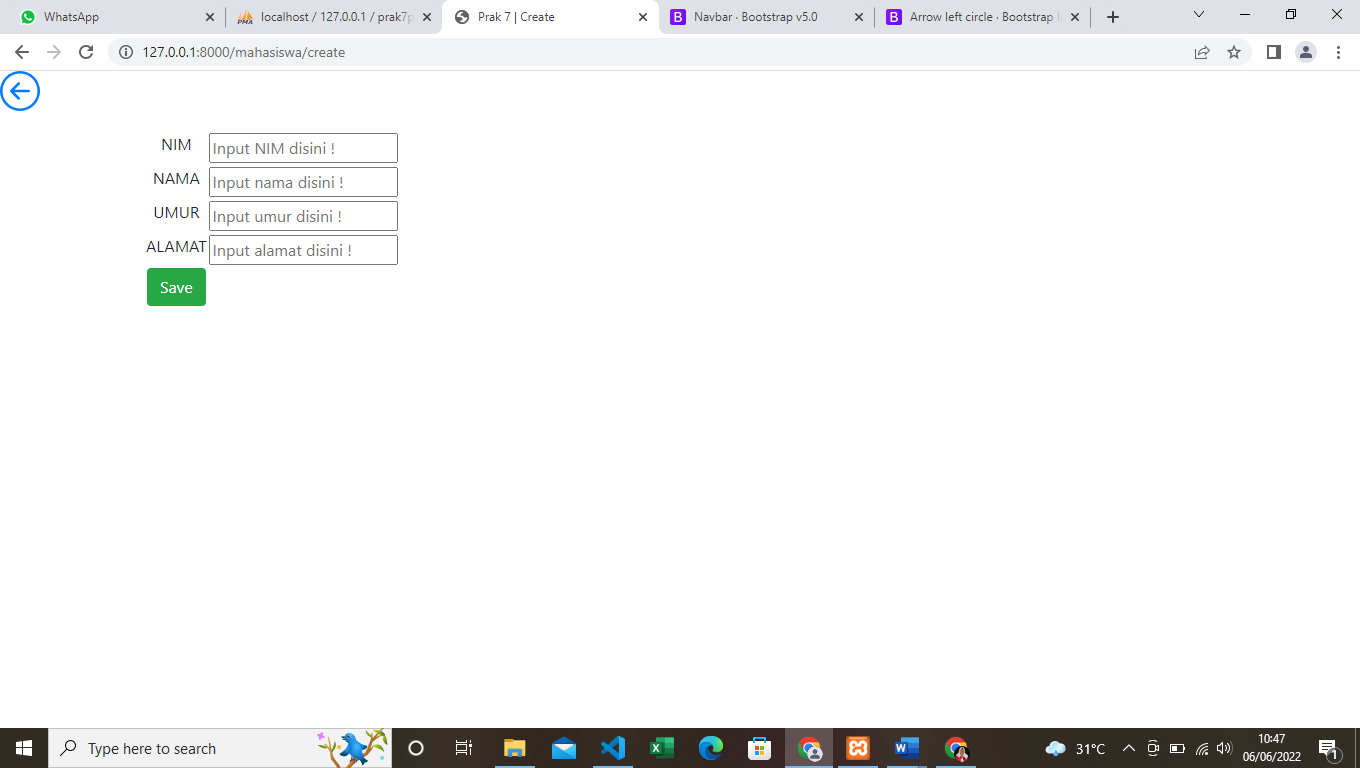
        </form>

        </div>

    </div>

</body>

</html>



1. Resource/views/mahasiswa/edit.blade.php : Digunakan untuk edit data mahasiswa.

<!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://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin="anonymous">

    <title>Prak 7 | Create</title>

</head>

<body>

    <a href="\mahasiswa">

        <svg xmlns="http://www.w3.org/2000/svg" width="40" height="40" fill="currentColor" class="bi bi-arrow-left-circle" viewBox="0 0 16 16">

            <path fill-rule="evenodd" d="M1 8a7 7 0 1 0 14 0A7 7 0 0 0 1 8zm15 0A8 8 0 1 1 0 8a8 8 0 0 1 16 0zm-4.5-.5a.5.5 0 0 1 0 1H5.707l2.147 2.146a.5.5 0 0 1-.708.708l-3-3a.5.5 0 0 1 0-.708l3-3a.5.5 0 1 1 .708.708L5.707 7.5H11.5z"/>

        </svg>

    </a>

    <div class="container">

        <div class="card-body">

        <form method="POST" action="{{url('mahasiswa/'.$model->id)}}">

            @csrf

            <input type="hidden" name="\_method" value="PATCH">

            <table>

                <tr class="form-group">

                    <td>

                        <label>NIM</label>

                    </td>

                    <td>

                        <input type="text" name="nim" class="from-control" value="{{$model->nim}}" placeholder="Input NIM disini !" ruqueired>

                    </td>

                </tr>

                <tr class="form-group">

                    <td>

                        <label>NAMA</label>

                    </td>

                    <td>

                        <input type="text" name="nama" class="from-control" value="{{$model->nama}}" placeholder="Input nama disini !" ruqueired>

                    </td>

                </tr>

                <tr class="form-group">

                    <td>

                        <label>UMUR</label>

                    </td>

                    <td>

                        <input type="text" name="umur" class="from-control" value="{{$model->umur}}" placeholder="Input umur disini !" ruqueired>

                    </td>

                </tr>

                <tr class="form-group">

                    <td>

                        <label>ALAMAT</label>

                    </td>

                    <td>

                        <input type="text" name="alamat" class="from-control" value="{{$model->alamat}}" placeholder="Input alamat disini !" ruqueired>

                    </td>

                </tr>

                <tr>

                    <td>

                        <button type="submit" class="btn btn-success" name="simpan">Save</button>

                    </td>

                </tr>

            </table>

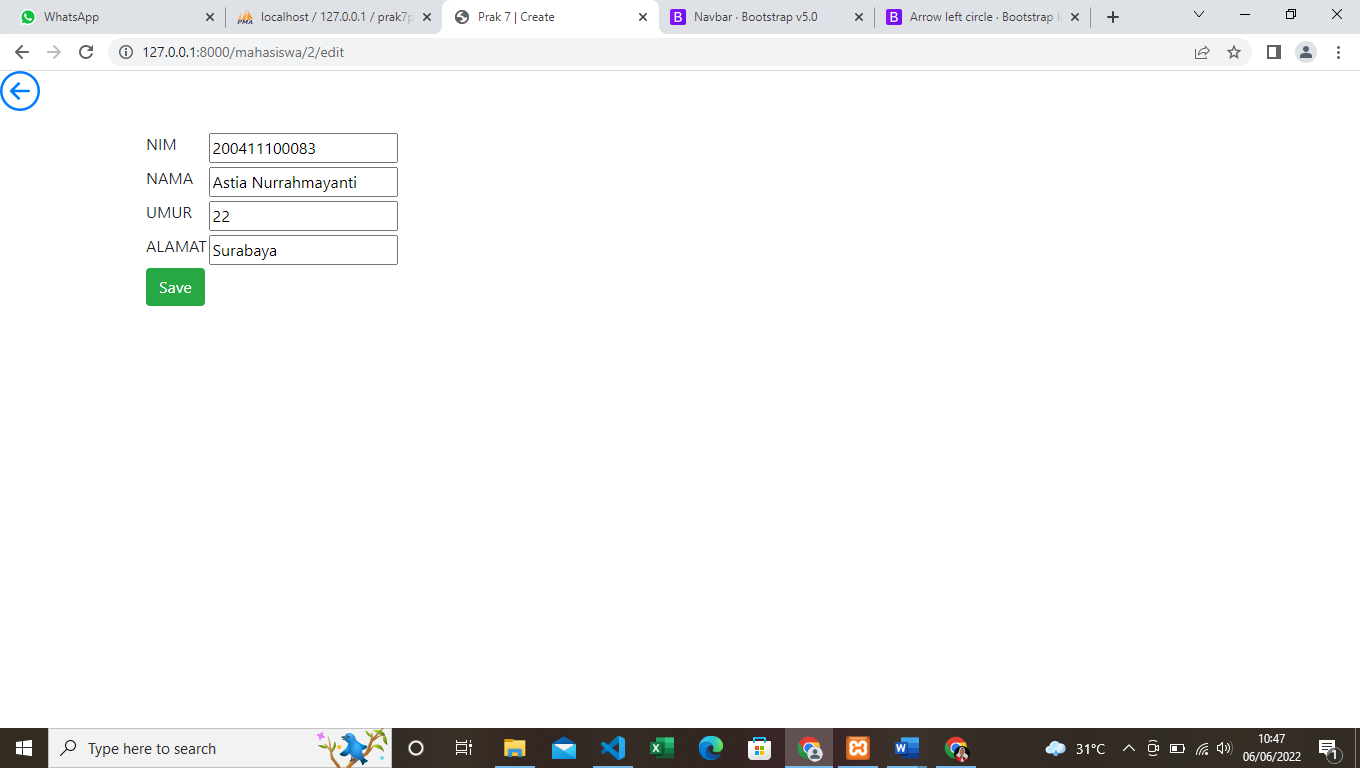
        </form>

        </div>

    </div>

</body>

</html>



1. Resource/views/mahasiswa/editnilai.blade.php : Digunakan untuk edit nilai mahasiswa.

<!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://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin="anonymous">

    <title>Prak 7 | Create</title>

</head>

<body>

    <a href="\mahasiswa">

        <svg xmlns="http://www.w3.org/2000/svg" width="40" height="40" fill="currentColor" class="bi bi-arrow-left-circle" viewBox="0 0 16 16">

            <path fill-rule="evenodd" d="M1 8a7 7 0 1 0 14 0A7 7 0 0 0 1 8zm15 0A8 8 0 1 1 0 8a8 8 0 0 1 16 0zm-4.5-.5a.5.5 0 0 1 0 1H5.707l2.147 2.146a.5.5 0 0 1-.708.708l-3-3a.5.5 0 0 1 0-.708l3-3a.5.5 0 1 1 .708.708L5.707 7.5H11.5z"/>

        </svg>

    </a>

    <div class="container">

        <div class="card-body">

        <form method="POST" action="{{url('mahasiswa2/'.$model->id)}}">

            @csrf

            <input type="hidden" name="\_method" value="PATCH">

            <table>

                <tr class="form-group">

                    <td>

                        <label>NAMA</label>

                    </td>

                    <td>

                        <input readonly type="text" name="nama" class="from-control" value="{{$model->nama}}" placeholder="Input nama disini !" ruqueired>

                    </td>

                </tr>

                <tr class="form-group">

                    <td>

                        <label>NILAI</label>

                    </td>

                    <td>

                        <input type="text" name="nilai" class="from-control" value="{{$model->nilai}}" placeholder="Input nilai disini !" ruqueired>

                    </td>

                </tr>

                <tr>

                    <td>

                        <button type="submit" class="btn btn-success" name="simpan">Save</button>

                    </td>

                </tr>

            </table>

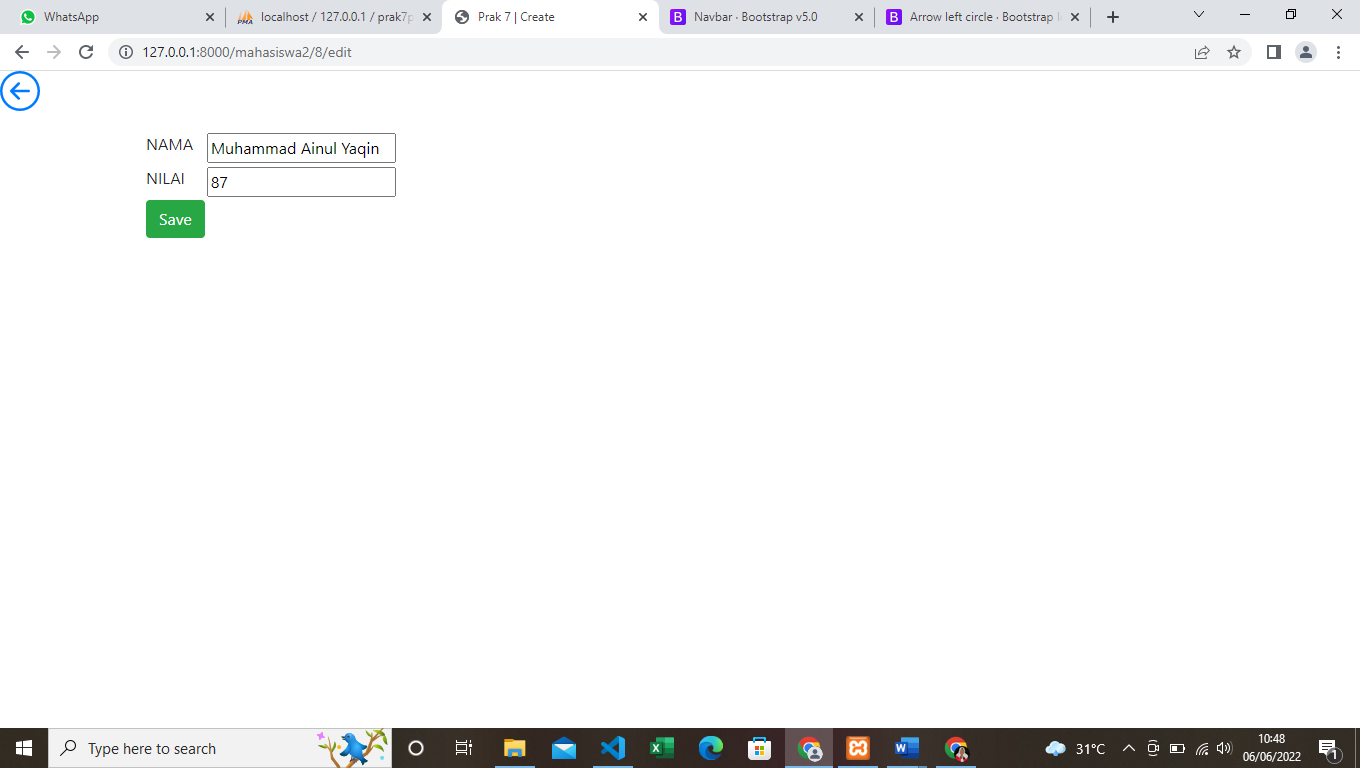
        </form>

        </div>

    </div>

</body>

</html>



1. Resource/views/mahasiswa/mhs.blade.php : Digunakan untuk menampilkan data mahasiswa.

<!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://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">

    <title>Prak 7 | Daftar MHS</title>

</head>

<body>

    <h1 class="text-center">Daftar Mahasiswa</h1>

    <button type="button" class="btn btn-info"><a href="{{url('mahasiswa/create')}}" style= "text-decoration:none; color:white;">Tambah Data +</a></button>

    <br><br>

    <form action="/mahasiswa" method="GET">

    <tr>

        <td>

            <label>CARI NIM</label>

        </td>

        <td>

            <input type="search" name="search" class="text-center form-control" style="width:300px" placeholder="Input NIM disini !" ruqueired>

        </td>

    </tr>

    <br><br>

    </form>

<div class="container">

    <div class="row">

    <table class="table">

    <thead>

      <tr class="text-center">

        <th>NIM</th>

        <th>NAMA</th>

        <th>UMUR</th>

        <th>ALAMAT</th>

        <th>NILAI</th>

        <th collspan="3">ACTION</th>

        <th></th>

        <th></th>

      </tr>

    </thead>

    @foreach($datas as $key=>$value)

    <tbody>

      <tr>

        <td>{{$value->nim}}</td>

        <td>{{$value->nama}}</td>

        <td>{{$value->umur}}</td>

        <td>{{$value->alamat}}</td>

        <td>{{$value->nilai}}</td>

        <td><button type="button" class="btn btn-success"><a href="{{url('mahasiswa/'.$value->id.'/edit')}}" style= "text-decoration:none; color:white;">UPDATE</a></button></td>

        <td>

            <form action="{{url('mahasiswa/'.$value->id)}}" method="POST">

                @csrf

                <input type="hidden" name="\_method" value="DELETE">

                <button type="submit" class="btn btn-danger" style="color:white;">DELETE</button>

            </form>

        </td>

        <td><button type="button" class="btn btn-warning"><a href="{{url('mahasiswa2/'.$value->id.'/edit')}}" style= "text-decoration:none; color:white;">NILAI</a></button></td>

      </tr>

    </tbody>

    @endforeach

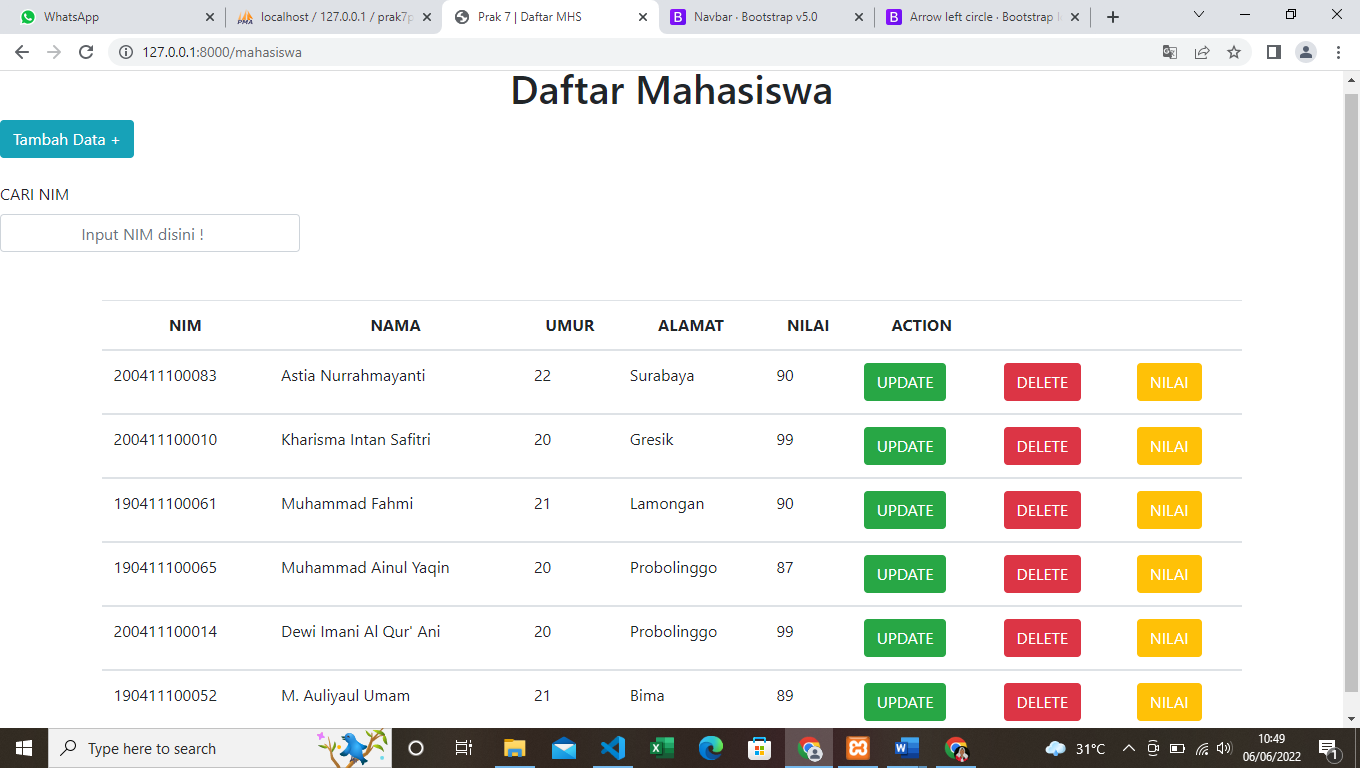
  </table>

    </div>

</div>

</body>

</html>



1. Routes/web.php : untuk mengatur ke controllers.

<?php

use Illuminate\Support\Facades\Route;

use App\Http\Controllers\MahasiswaController;

use App\Http\Controllers\Mahasiswa2Controller;

use App\Models\Mahasiswa;

/\*

|--------------------------------------------------------------------------

| Web Routes

|--------------------------------------------------------------------------

|

| Here is where you can register web routes for your application. These

| routes are loaded by the RouteServiceProvider within a group which

| contains the "web" middleware group. Now create something great!

|

\*/

Route::get('/', function () {

    return view('welcome');

});

Route::resource('/mahasiswa', MahasiswaController::class);

Route::resource('/mahasiswa2', Mahasiswa2Controller::class);