

Nama : TAOFIK HIDAYAT

NIM : 171011450351

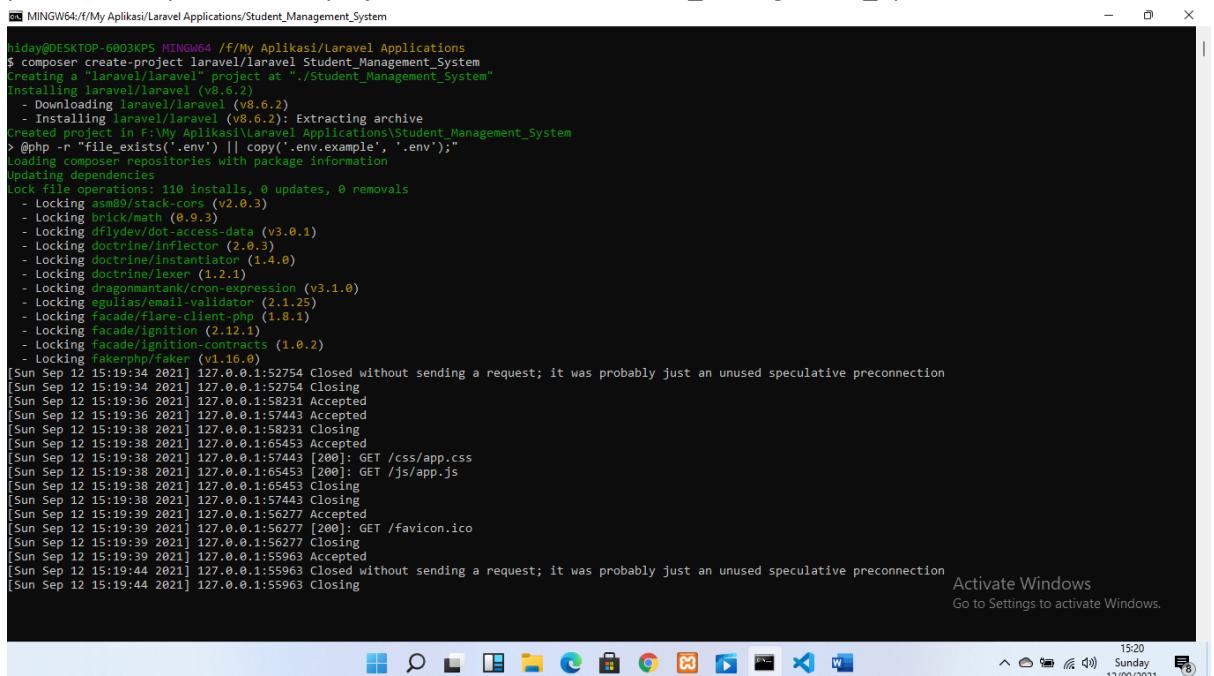
No. Peserta : 210816070020

Kelas : P21090038

Pelatihan Ujikom (Sesi 2)

1. Install Laravel

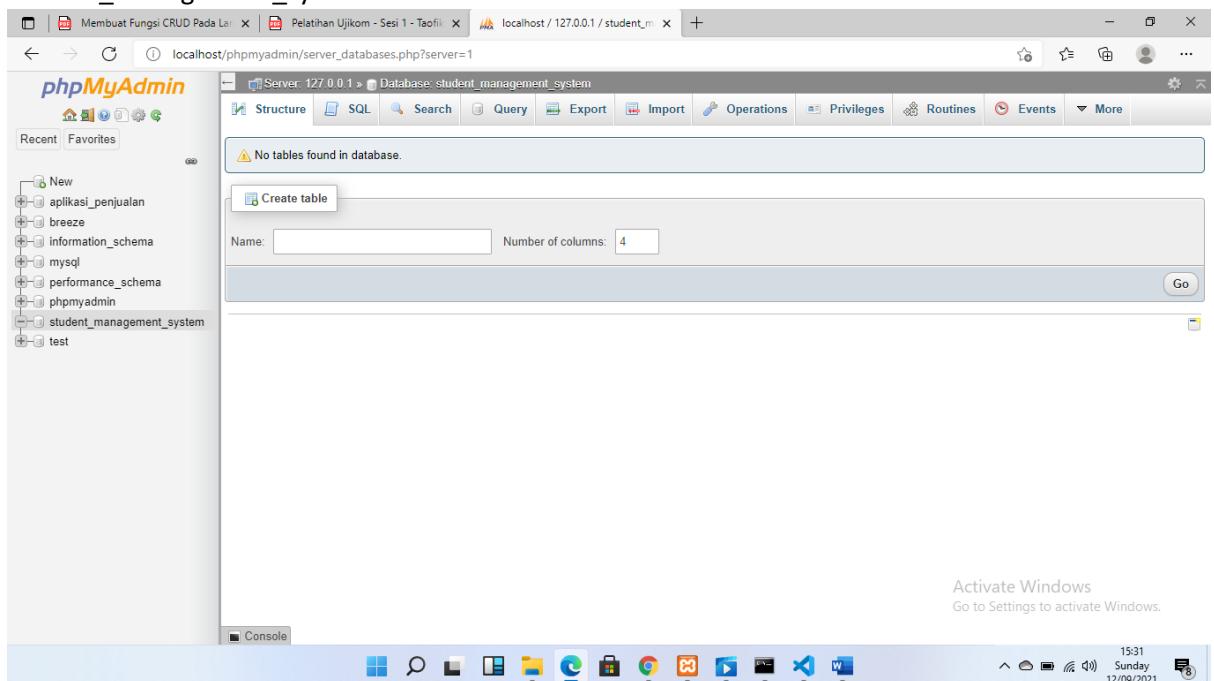
Setelah semua tools yang dibutuhkan terinstall maka pada commandprompt jalankan perintah composer create-project laravel/laravel Student_Management_System



```
MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
$ composer create-project laravel/laravel Student_Management_System
creating a "laravel/laravel" project at "./Student_Management_System"
installing laravel/laravel (v8.6.2)
- Downloading laravel/laravel (v8.6.2)
- Installing laravel/laravel (v8.6.2): Extracting archive
  created project in F:\My Aplikasi\Laravel Applications\Student_Management_System
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 110 installs, 0 updates, 0 removals
- Locking asan89/stack-cors (v2.0.3)
- Locking brick/math (0.9.3)
- Locking fyledev/dot-access-data (v3.0.1)
- Locking doctrine/inflector (2.0.3)
- Locking doctrine/instantiator (1.4.0)
- Locking doctrine/lexer (1.2.1)
- Locking dragonmantank/cron-expression (v3.1.0)
- Locking egulias/email-validator (2.1.25)
- Locking facade/flare-client-php (1.8.1)
- Locking facade/litigation (2.12.1)
- Locking facade/litigation-contracts (1.0.2)
- Locking fakerphp/faker (v1.16.0)
[Sun Sep 12 15:19:34 2021] 127.0.0.1:52754 Closed without sending a request; it was probably just an unused speculative preconnection
[Sun Sep 12 15:19:34 2021] 127.0.0.1:52754 Closing
[Sun Sep 12 15:19:36 2021] 127.0.0.1:58231 Accepted
[Sun Sep 12 15:19:36 2021] 127.0.0.1:57443 Accepted
[Sun Sep 12 15:19:38 2021] 127.0.0.1:58231 Closing
[Sun Sep 12 15:19:38 2021] 127.0.0.1:65453 Accepted
[Sun Sep 12 15:19:38 2021] 127.0.0.1:57443 [200]: GET /css/app.css
[Sun Sep 12 15:19:38 2021] 127.0.0.1:65453 [200]: GET /js/app.js
[Sun Sep 12 15:19:38 2021] 127.0.0.1:65453 Closing
[Sun Sep 12 15:19:38 2021] 127.0.0.1:57443 Closing
[Sun Sep 12 15:19:39 2021] 127.0.0.1:56277 Accepted
[Sun Sep 12 15:19:39 2021] 127.0.0.1:56277 [200]: GET /favicon.ico
[Sun Sep 12 15:19:39 2021] 127.0.0.1:56277 Closing
[Sun Sep 12 15:19:39 2021] 127.0.0.1:55963 Accepted
[Sun Sep 12 15:19:44 2021] 127.0.0.1:55963 Closed without sending a request; it was probably just an unused speculative preconnection
[Sun Sep 12 15:19:44 2021] 127.0.0.1:55963 Closing
```

Activate Windows
Go to Settings to activate Windows.

Buatlah database yang akan kita gunakan terlebih dahulu, buatlah database dengan nama student_management_system



phpMyAdmin

Recent Favorites

Server: 127.0.0.1 Database: student_management_system

No tables found in database.

Create table

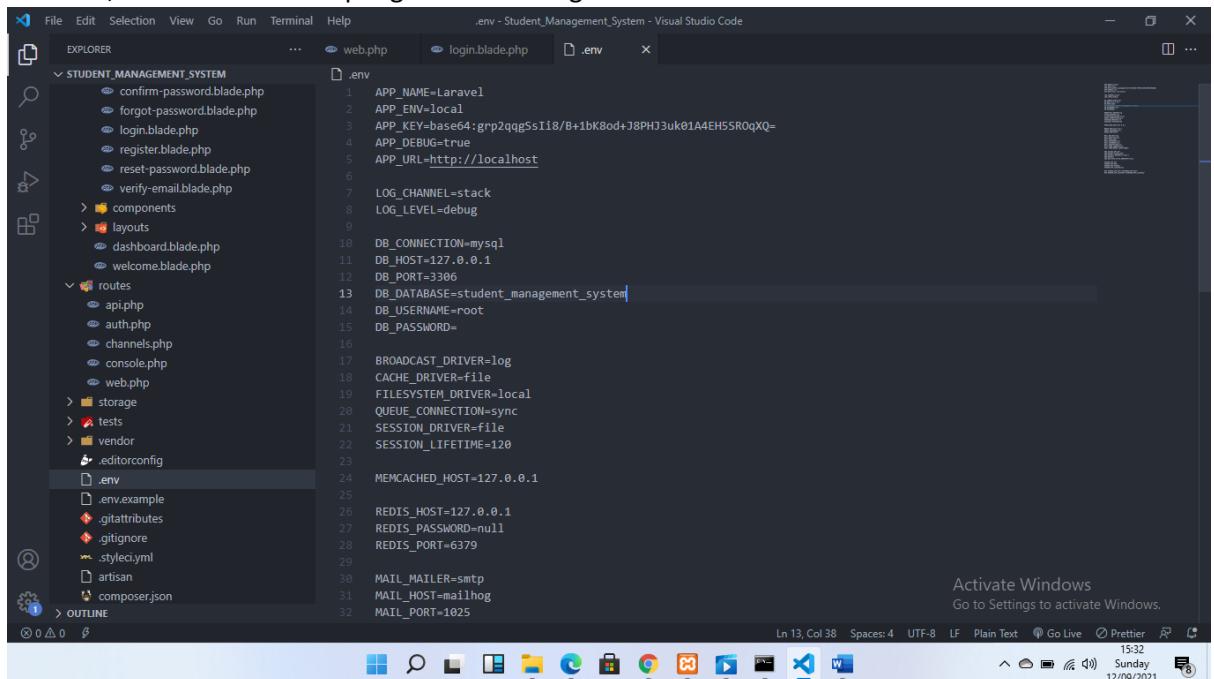
Name: Number of columns: 4

Go

Console

Activate Windows
Go to Settings to activate Windows.

Bukalah kode editor dan pastikan anda aktif pada direktori yang baru dibuat, kemudian buka file .ENV, kemudian buatlah pengaturan tentang koneksi database.



```
APP_NAME=Laravel
APP_ENV=local
APP_KEY=base64:grp2qqg5sIi8/B+1bK8od+J8PHJ3uk01A4EH55ROqXQ=
APP_DEBUG=true
APP_URL=http://localhost

LOG_CHANNEL=stack
LOG_LEVEL=debug

DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=student_management_system
DB_USERNAME=root
DB_PASSWORD=

BROADCAST_DRIVER=log
CACHE_DRIVER=file
FILESYSTEM_DRIVER=local
QUEUE_CONNECTION=sync
SESSION_DRIVER=file
SESSION_LIFETIME=120

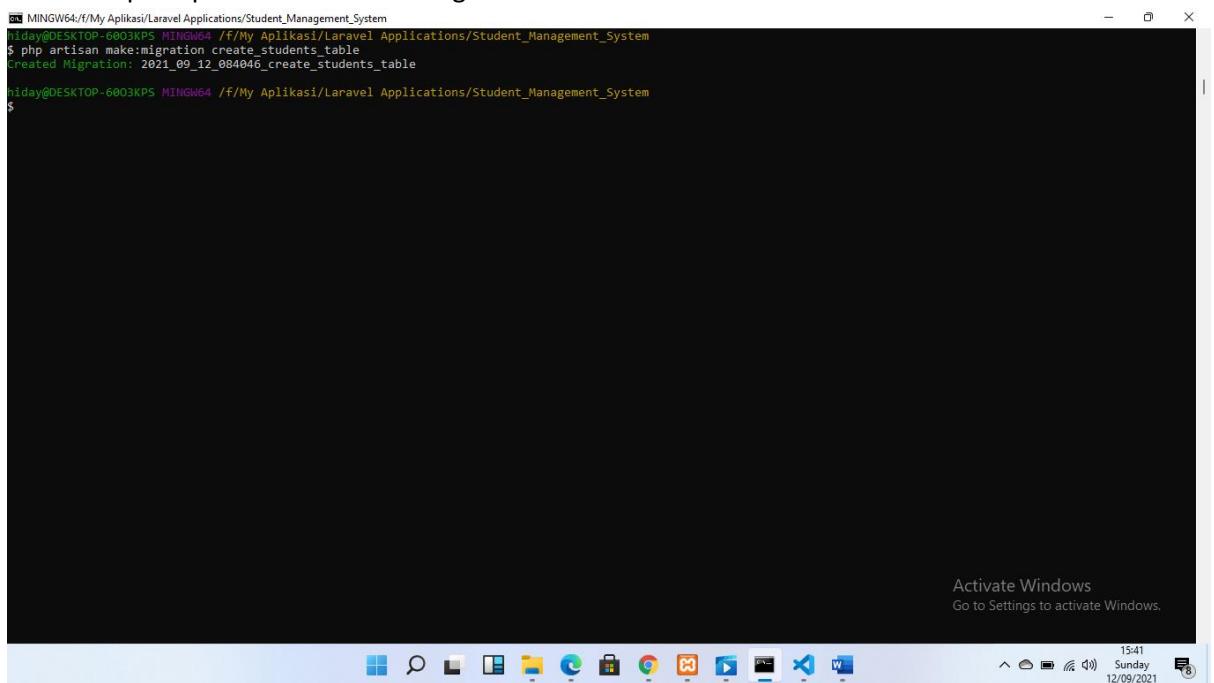
MEMCACHED_HOST=127.0.0.1

REDIS_HOST=127.0.0.1
REDIS_PASSWORD=null
REDIS_PORT=6379

MAIL_MAILER=smtp
MAIL_HOST=mailhog
MAIL_PORT=1025
```

2. Membuat Migrasi Database

Jalankan perintah php artisan make:migration create_mahasiswa_table pada commandprompt untuk membuat migrasi database.



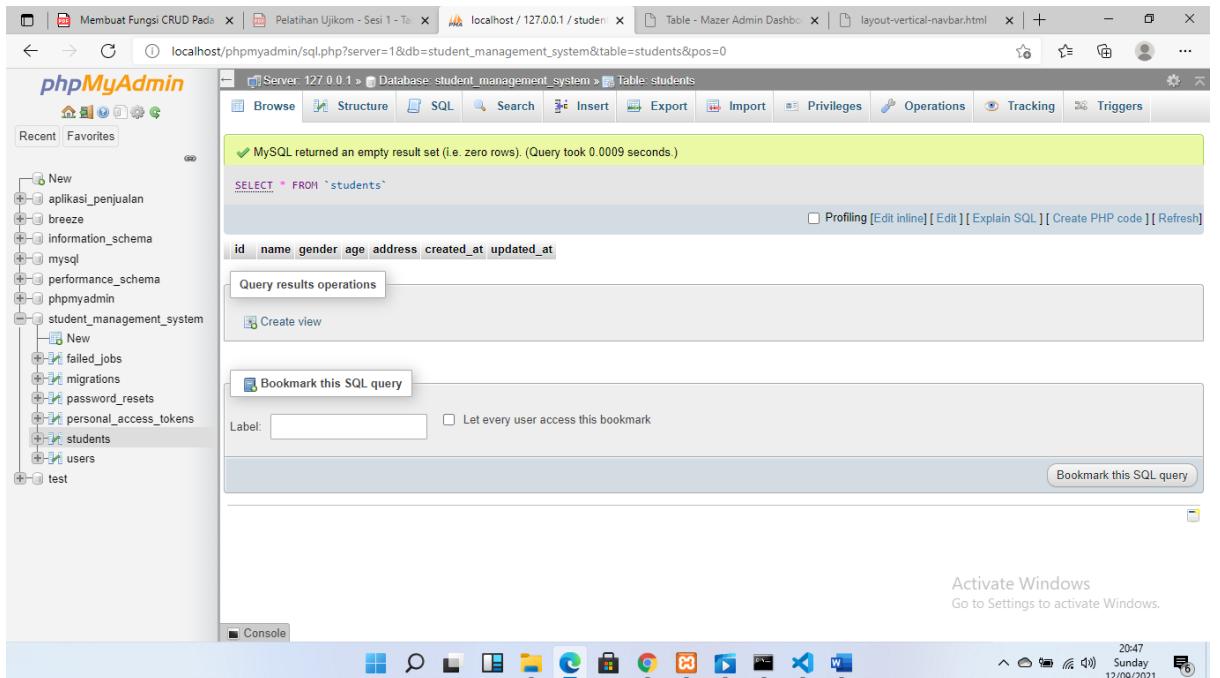
```
hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ php artisan make:migration create_students_table
Created Migration: 2021_09_12_084046_create_students_table
```

Bukalah file 2021_09_12_084046_create_students_table.php yang baru saja dibuat dan terdapat didalam folder databases/migrations/ 2021_09_12_084046_create_students_table.php, lalu tambahkan sourcecode pada bagian public function up().

Selanjutnya jalankan perintah php artisan migrate untuk membuat migrasi tabel mhs dan strukturnya

```
MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
$ php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table (911.43ms)
Migrated: 2014_10_12_000000_create_users_table (911.43ms)
Migrating: 2014_10_12_100000_create_password_resets_table (341.57ms)
Migrated: 2014_10_12_100000_create_password_resets_table (341.57ms)
Migrating: 2019_08_19_000001_create_failed_jobs_table (705.51ms)
Migrated: 2019_08_19_000001_create_failed_jobs_table (705.51ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table (751.21ms)
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (751.21ms)
Migrating: 2021_09_12_084046_create_students_table (242.05ms)
Migrated: 2021_09_12_084046_create_students_table (242.05ms)

MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
$ -
```



3. Membuat Route

Untuk mengaktifkan fitur login menggunakan Laravel breeze composer require laravel/breeze --dev

```
MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
$ composer require laravel/breeze --dev
Using version "1.4" for laravel/breeze
./composer.json has been updated
Running composer update laravel/breeze
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
  - Locking laravel/breeze (v1.4.1)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
  - Downloading laravel/breeze (v1.4.1)
  - Installing laravel/breeze (v1.4.1): Extracting archive
Package sebastian/resource-operations is abandoned, you should avoid using it. No replacement was suggested.
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/breeze
Discovered Package: laravel/sail
Discovered Package: laravel/sanctum
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: numenaduro/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
No publishable resources for tag [laravel-assets].
Publishing complete.

hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ php artisan breeze:install
Breeze scaffolding installed successfully.
Please execute the "npm install && npm run dev" command to build your assets.

hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ npm install && npm run dev
npm [WARN] deprecated queryString@0.2.0: The queryString API is considered Legacy, new code should use the URLSearchParams API instead. Activate Windows
npm [WARN] deprecated uid@0.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic
. See https://v8.dev/blog/math-random for details.
npm notice created a lockfile as package-lock.json. You should commit this file.
```

Kemudian masukan perintah php artisan breeze:install

```
MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
Publishing complete.

hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ php artisan breeze:install
Breeze scaffolding installed successfully.
Please execute the "npm install && npm run dev" command to build your assets.

hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ npm install && npm run dev
npm [WARN] deprecated querystring@0.2.0: The querystring API is considered Legacy, new code should use the URLSearchParams API instead.
npm [WARN] deprecated uid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic
. See https://v8.dev/blog/math-random for details.
npm [notice] created a lockfile as package-lock.json. You should commit this file.
npm [optional] SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\chokidar\node_modules\fsevents):
npm [WARN] notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
added 812 packages from 458 contributors and audited 815 packages in 824.235s

88 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

> @ dev F:\My Aplikasi\Laravel Applications\Student_Management_System
> npm run development

> @ development F:\My Aplikasi\Laravel Applications\Student_Management_System
> mix

* Mix [██████████] done (99%) plugins
BuildCallbackPlugin

* Mix [██████████] done (99%) plugins
WebpackBar:done

Activate Windows
Go to Settings to activate Windows.

15:58 Sunday
12/09/2021
```

Kemudian masukan perintah `npm install && npm run dev`

```
MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
$ npm install && npm run dev
npm [WARN] deprecated querystring@0.2.0: The querystring API is considered Legacy, new code should use the URLSearchParams API instead.
npm [WARN] deprecated uid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic
. See https://v8.dev/blog/math-random for details.
npm [notice] created a lockfile as package-lock.json. You should commit this file.
npm [optional] SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\chokidar\node_modules\fsevents):
npm [WARN] notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
added 812 packages from 458 contributors and audited 815 packages in 824.235s

88 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

> @ dev F:\My Aplikasi\Laravel Applications\Student_Management_System
> npm run development

> @ development F:\My Aplikasi\Laravel Applications\Student_Management_System
> mix

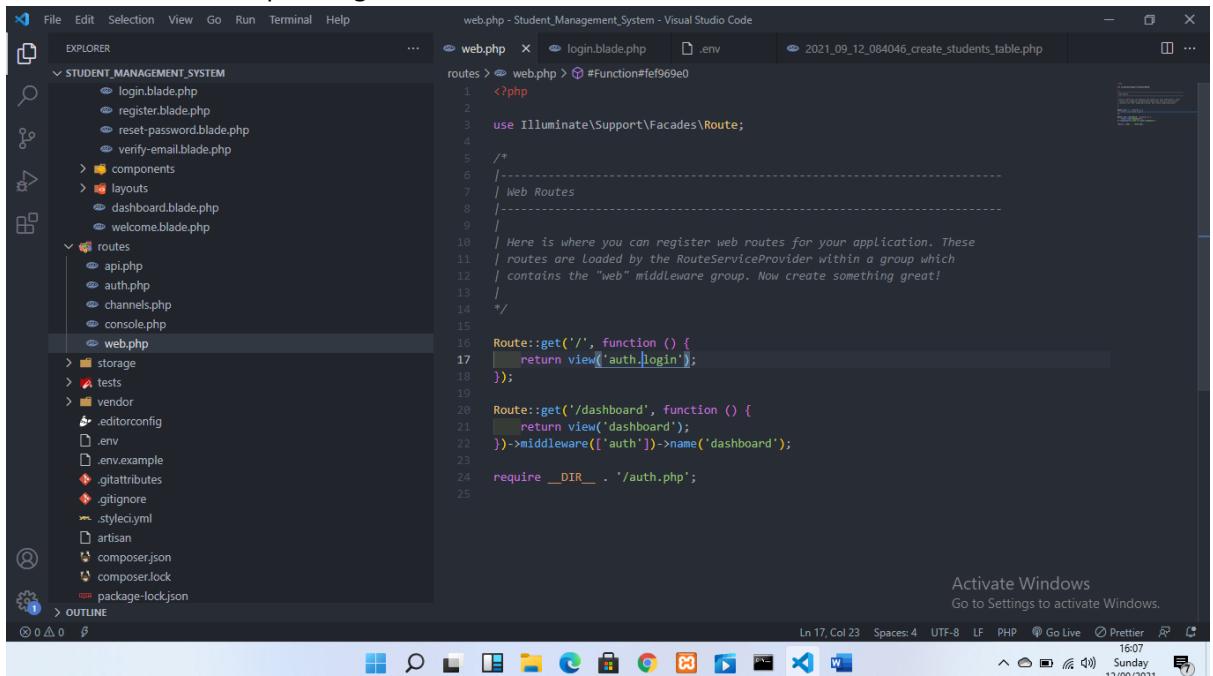
* Mix [██████████] done (99%) plugins
BuildCallbackPlugin

* Mix [██████████] done (99%) plugins
WebpackBar:done

Activate Windows
Go to Settings to activate Windows.

16:00 Sunday
12/09/2021
```

Arahkan route ke tampilan login

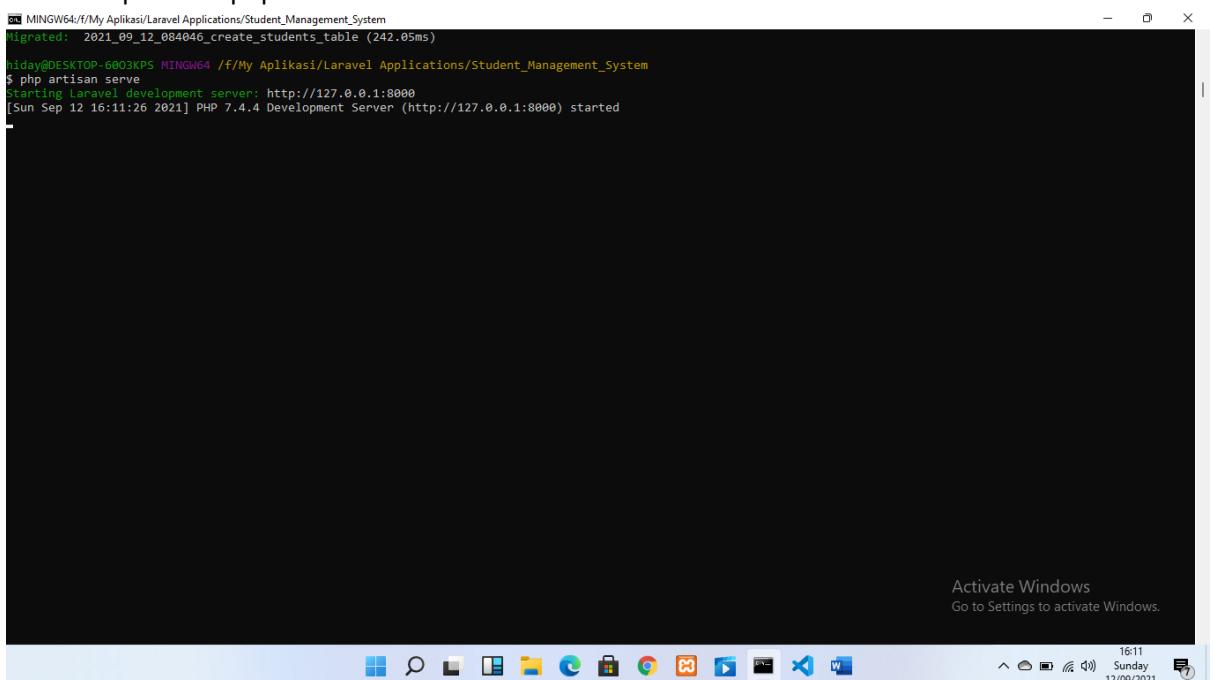


The screenshot shows the Visual Studio Code interface with the 'Student_Management_System' project open. The left sidebar displays the project structure, including 'STUDENT_MANAGEMENT_SYSTEM' with files like 'login.blade.php', 'register.blade.php', etc., and 'routes' with 'web.php'. The main editor window shows the 'web.php' file:

```
web.php - Student_Management_System - Visual Studio Code
routes > web.php > #Function#fef969e0
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  |-----|
7  | Web Routes
8  |-----|
9  |
10 | Here is where you can register web routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | contains the "web" middleware group. Now create something great!
13 |
14 */
15
16 Route::get('/', function () {
17     return view('auth.login');
18 });
19
20 Route::get('/dashboard', function () {
21     return view('dashboard');
22 })->middleware(['auth'])->name('dashboard');
23
24 require __DIR__ . '/auth.php';
```

The status bar at the bottom indicates: Ln 17, Col 23, Spaces: 4, UTF-8, LF, PHP, Go Live, Prettier, 16:07, Sunday, 12/09/2021.

Masukan perintah php artisan serve



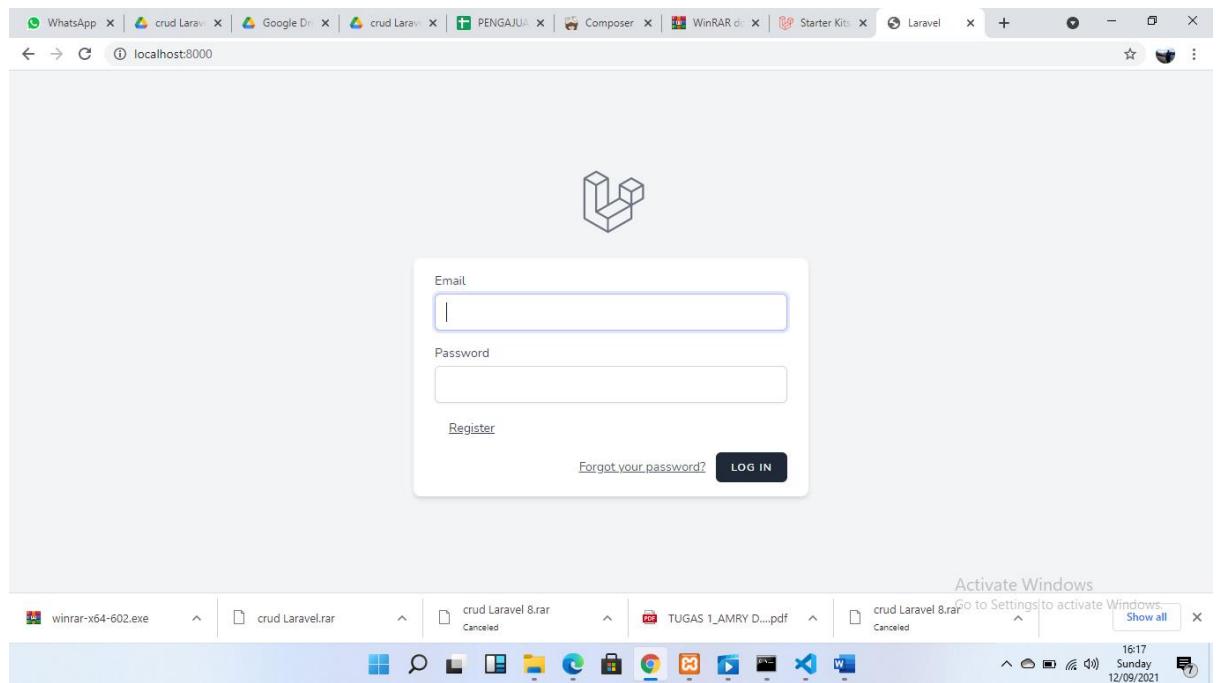
The screenshot shows a terminal window with the following command and output:

```
MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
$ migrate: 2021_09_12_084046_create_students_table (242.05ms)
[riday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ php artisan serve
starting Laravel development server: http://127.0.0.1:8000
[Sun Sep 12 16:11:26 2021] PHP 7.4.4 Development Server (http://127.0.0.1:8000) started
```

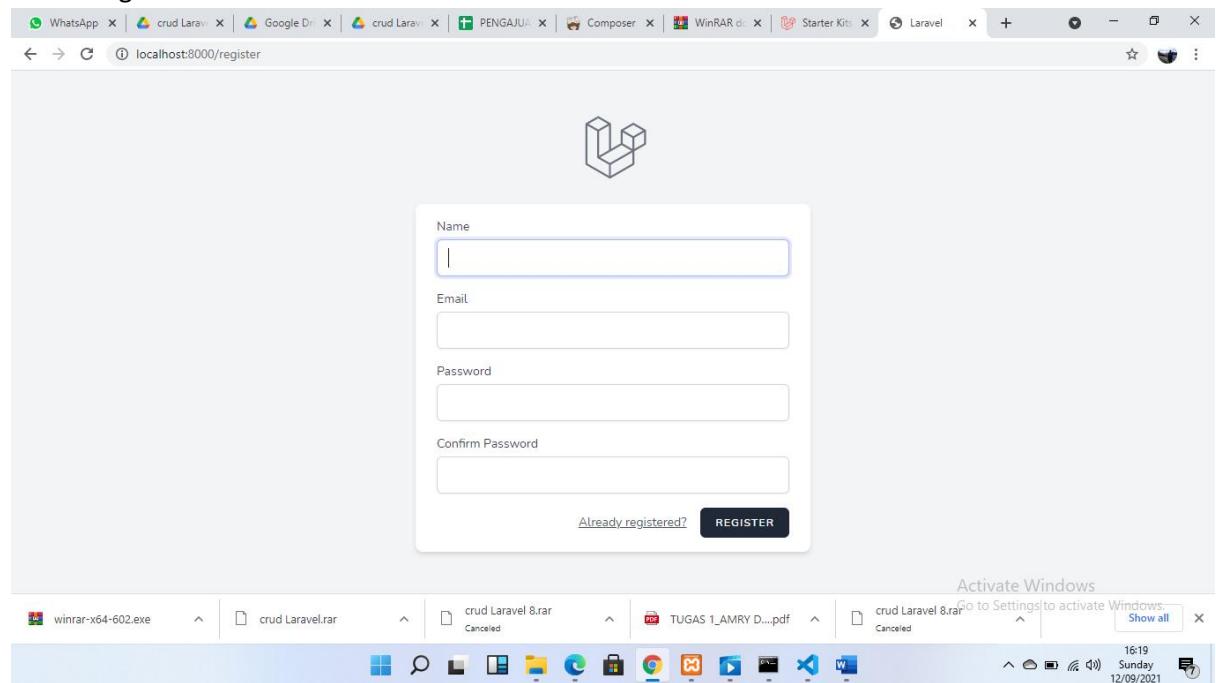
The status bar at the bottom indicates: Activate Windows, Go to Settings to activate Windows, 16:11, Sunday, 12/09/2021.

Buka browser jalankan localhost:8000 maka akan muncul tampilan login sebagai berikut

a) Menu Login

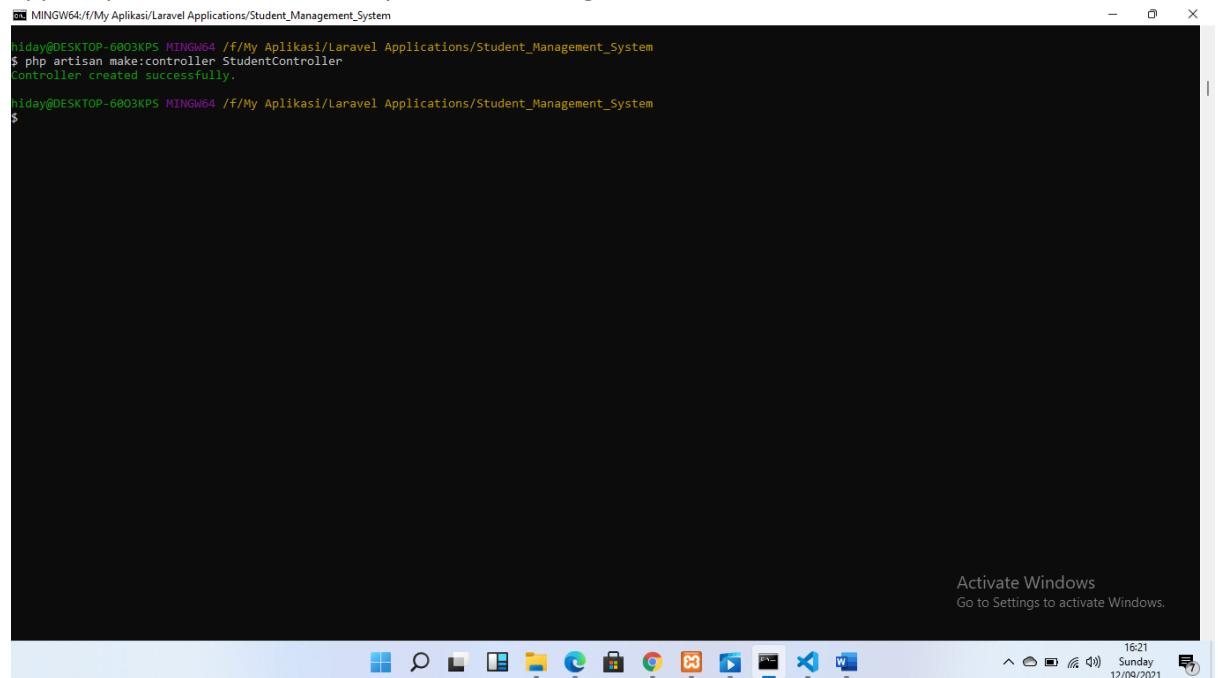


b) Menu Register



4. Membuat Controller

Sekarang buatlah file tersebut pada commandprompt dengan menjalankan perintah php artisan make:controller StudentController. Jika berhasil maka didalam folder app/Http/controllers akan tercipta file baru dengan nama StudentController.

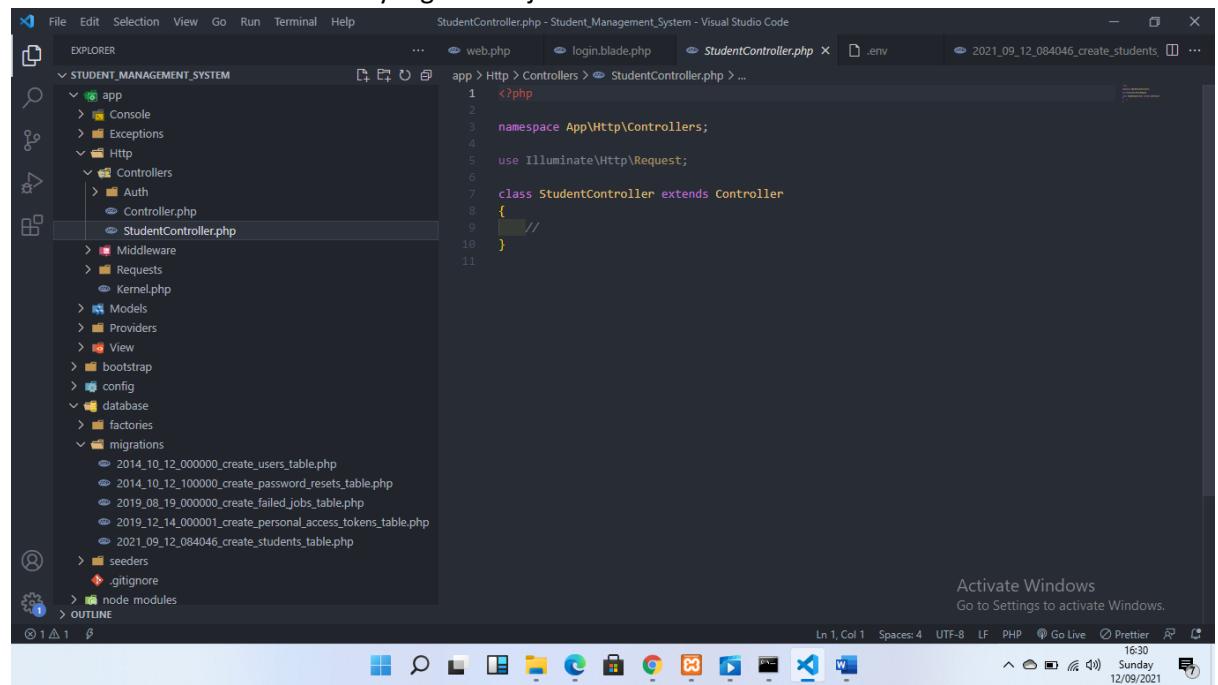


```
MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ php artisan make:controller StudentController
Controller created successfully.

hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$
```

The screenshot shows a Windows command prompt window titled "MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System". It displays the output of the command "php artisan make:controller StudentController", which successfully creates a controller named "StudentController". The window has a standard Windows title bar and taskbar at the bottom.

Bukalah file StudentController yang baru saja kita buat



```
StudentController.php - Student_Management_System - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
STUDENT_MANAGEMENT_SYSTEM
  app
    > Console
    > Exceptions
  Http
    > Controllers
      > Auth
        Controller.php
      & StudentController.php
    > Middleware
    > Requests
    & Kernel.php
  Models
  Providers
  View
  bootstrap
  config
  database
  factories
  migrations
    & 2014_10_12_000000_create_users_table.php
    & 2014_10_12_100000_create_password_resets_table.php
    & 2019_08_19_000000_create_failed_jobs_table.php
    & 2019_12_14_000001_create_personal_access_tokens_table.php
    & 2021_09_12_084046_create_students_table.php
  seeder
  .gitignore
  node modules
  OUTLINE
Ln 1, Col 1  Spaces: 4  UTF-8  LF  PHP  Go Live  Prettier  16:21
Activate Windows
Go to Settings to activate Windows.
16:21 Sunday 12/09/2021
```

The screenshot shows the Visual Studio Code interface with the "StudentController.php" file open in the editor. The code defines a new controller class "StudentController" that extends the "Controller" class from the Illuminate\Http\Request namespace. The file path is "app/Http/Controllers/StudentController.php". The sidebar shows the project structure with various files like web.php, login.blade.php, and other controllers. The status bar at the bottom indicates the file is in PHP mode, has 1 line and 1 character, uses 4 spaces for indentation, and is saved in UTF-8 format. The system clock shows it's 16:21 on Sunday, 12/09/2021.

5. Membuat Model

Pada commandprompt Jalankan perintah php artisan make:model Student

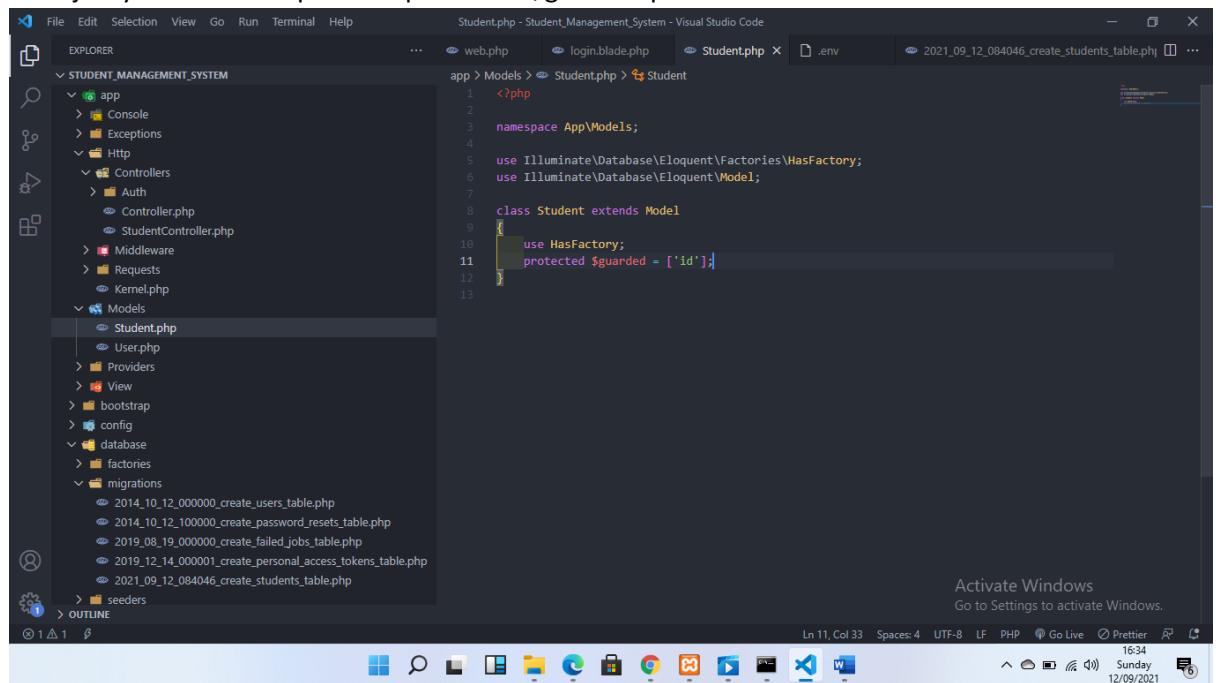
```
MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
$ php artisan make:model Student
model created successfully.

MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
$ -
```

Activate Windows
Go to Settings to activate Windows.



Selanjutnya tambahkan perintah protected \$guarded pada model mahasiswa



```
File Edit Selection View Go Run Terminal Help
Student.php - Student_Management_System - Visual Studio Code
EXPLORER
STUDENT_MANAGEMENT_SYSTEM
app
  - Student.php
  - User.php
  - Controller.php
  - StudentController.php
  - Middleware
  - Requests
  - Kernel.php
Models
  - Student.php
  - User.php
  - Providers
  - View
  - bootstrap
  - config
  - database
    - factories
    - migrations
      - 2014_10_12_000000_create_users_table.php
      - 2014_10_12_100000_create_password_resets_table.php
      - 2019_08_19_000000_create_failed_jobs_table.php
      - 2019_12_14_000001_create_personal_access_tokens_table.php
      - 2021_09_12_084046_create_students_table.php
seeds
OUTLINE
```

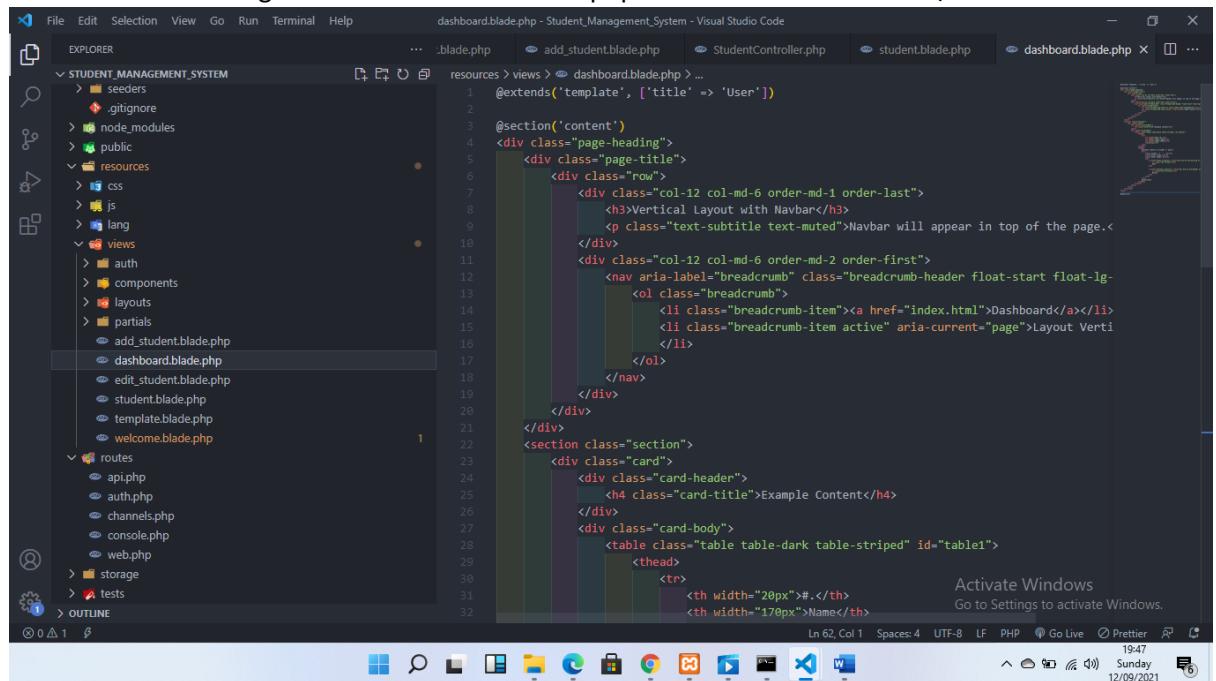
```
Student.php - Student_Management_System - Visual Studio Code
Student.php
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Student extends Model
9 {
10     use HasFactory;
11     protected $guarded = ['id'];
12 }
```

Activate Windows
Go to Settings to activate Windows.



6. Menampilkan Data

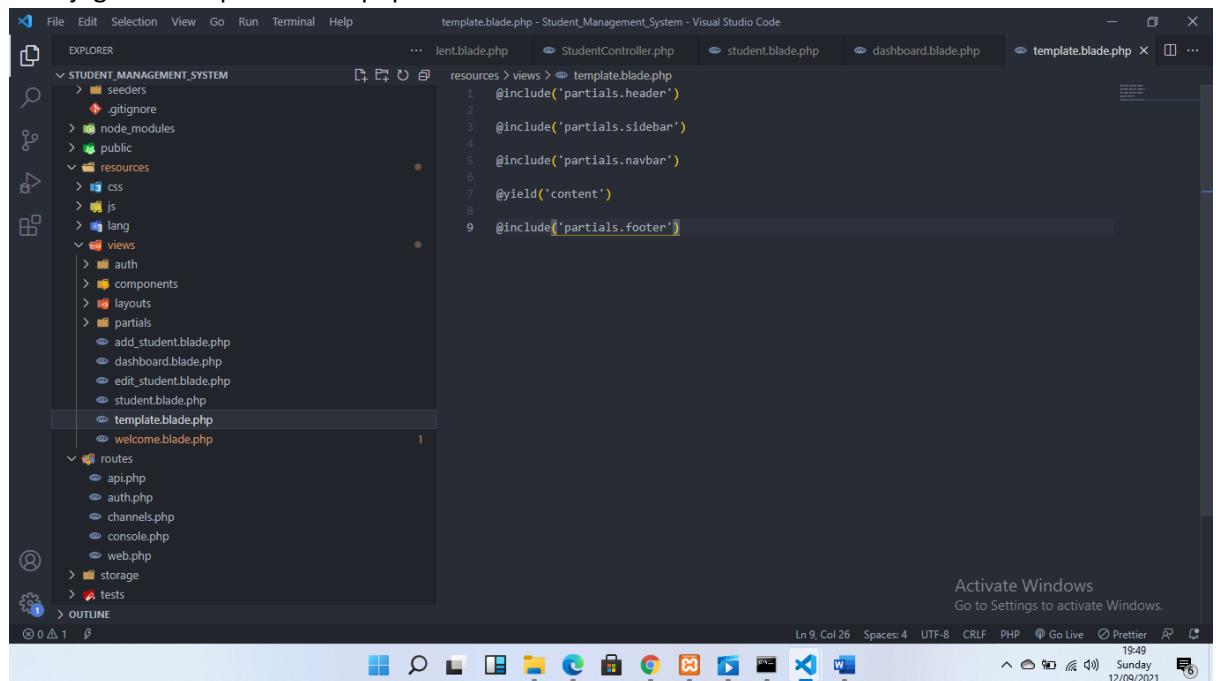
Buatlah file baru dengan nama dashboard.blade.php didalam folder resources/views



The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under "STUDENT_MANAGEMENT_SYSTEM". The "views" folder contains files like ".blade.php", "add_student.blade.php", "StudentController.php", "student.blade.php", and "dashboard.blade.php".
- Editor:** The main editor area displays the code for "dashboard.blade.php". The code includes Blade directives (@extends, @section, @yield), HTML structure for a dashboard page, and a table definition.
- Status Bar:** Shows "Activate Windows" and "Go to Settings to activate Windows." It also displays file statistics: Ln 62, Col 1, Spaces: 4, UTF-8, PHP, Go Live, Prettier, and a date/time stamp: 19:47 Sunday 12/09/2021.

Buat juga file template.blade.php

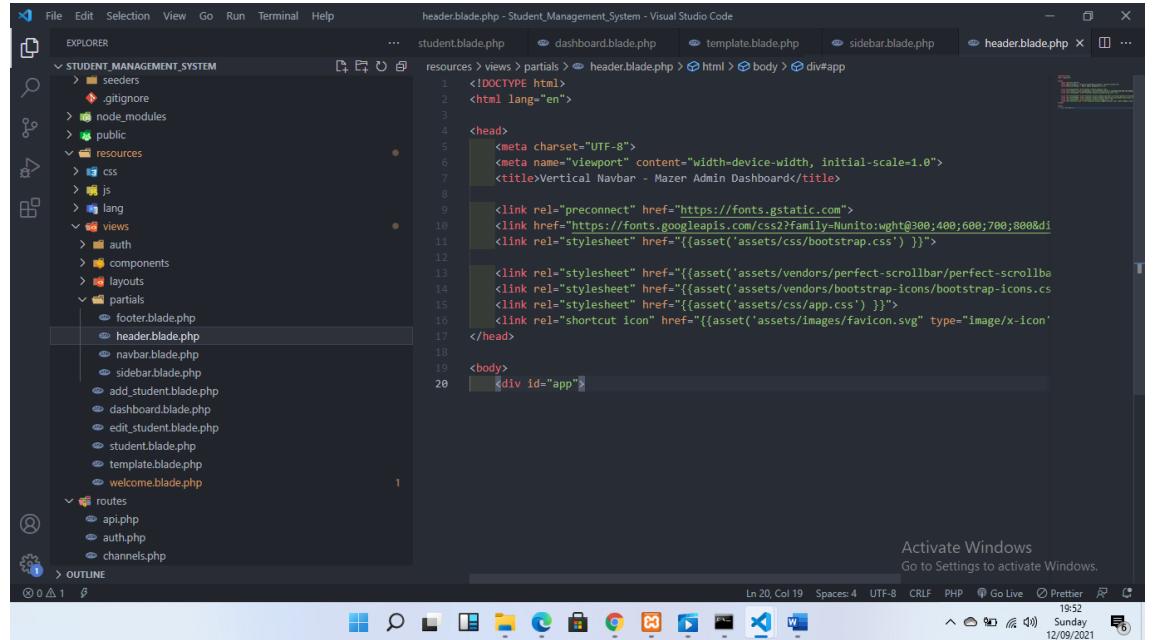


The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under "STUDENT_MANAGEMENT_SYSTEM". The "views" folder contains files like ".blade.php", "StudentController.php", "student.blade.php", "dashboard.blade.php", and "template.blade.php".
- Editor:** The main editor area displays the code for "template.blade.php". The code includes Blade directives (@include, @yield) and partials for header, sidebar, navbar, and footer.
- Status Bar:** Shows "Activate Windows" and "Go to Settings to activate Windows." It also displays file statistics: Ln 9, Col 26, Spaces: 4, CRLF, PHP, Go Live, Prettier, and a date/time stamp: 19:49 Sunday 12/09/2021.

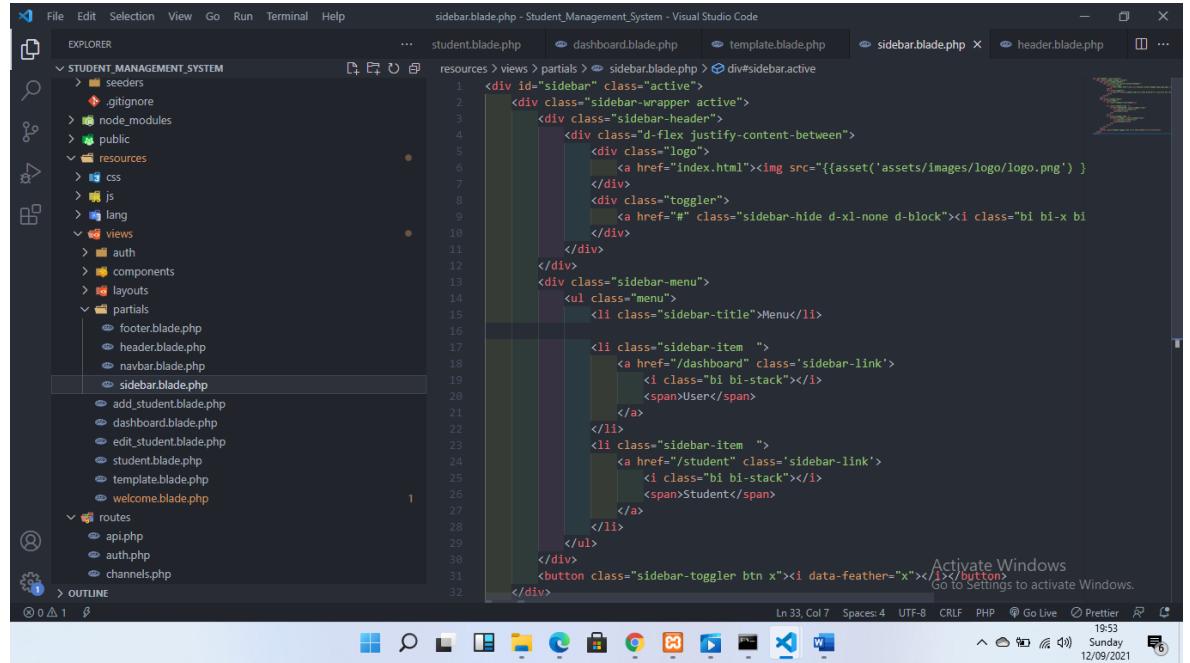
Kemudian buat folder partials didalam resources/view, dan buat file header.blade.php, sidebar.blade.php, navbar.blade.php, dan footer.blade.php didalam resources/view/partials

➤ Header.blade.php



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Vertical Navbar - Mazer Admin Dashboard</title>
    <link rel="preconnect" href="https://fonts.gstatic.com" />
    <link href="https://fonts.googleapis.com/css2?family=Nunito:wght@300;400;600;700;800&family=Perfect+Scrollbar:regular" rel="stylesheet" />
    <link rel="stylesheet" href="{{asset('assets/vendors/perfect-scrollbar/perfect-scrollbar.css')}}" />
    <link rel="stylesheet" href="{{asset('assets/vendors/bootstrap-icons/bootstrap-icons.css')}}" />
    <link rel="stylesheet" href="{{asset('assets/css/app.css')}}" />
    <link rel="shortcut icon" href="{{asset('assets/images/favicon.svg')}}" type="image/x-icon" />
</head>
<body>
    <div id="app">
```

➤ Sidebar.blade.php



```
<div id="sidebar" class="active">
    <div class="sidebar-wrapper active">
        <div class="sidebar-header">
            <div class="d-flex justify-content-between">
                <div class="logo">
                    <a href="/"></a>
                </div>
                <div class="toggler">
                    <a href="#" class="sidebar-hide d-xl-none d-block"><i class="bi bi-x bi-middle" /></a>
                </div>
            </div>
        </div>
        <div class="sidebar-menu">
            <ul class="menu">
                <li class="sidebar-title">Menu</li>
                <li class="sidebar-item ">
                    <a href="/dashboard" class="sidebar-link">
                        <i class="bi bi-stack" />
                        <span>User</span>
                    </a>
                </li>
                <li class="sidebar-item ">
                    <a href="/student" class="sidebar-link">
                        <i class="bi bi-stack" />
                        <span>Student</span>
                    </a>
                </li>
            </ul>
        </div>
        <button class="sidebar-toggler btn x"><i data-feather="x" /></button>
    </div>
</div>
```

➤ Navbar.blade.php

The screenshot shows the Visual Studio Code interface with the Navbar.blade.php file open. The code defines a main layout with a header and a sidebar navigation menu. The sidebar includes links for Mail, Notifications, and Settings.

```
<div id="main" class="layout-navbar">
  <header class="mb-3">
    <nav class="navbar navbar-expand navbar-light">
      <div class="container-fluid">
        <a href="#" class="burger-btn d-block">
          <i class="bi bi-justify fs-3"></i>
        </a>
        <button class="navbar-toggler" type="button" data-bs-toggle="collapse">
          <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
          <ul class="navbar-nav ms-auto mb-2 mb-lg-0">
            <li class="nav-item dropdown me-1">
              <a class="nav-link active dropdown-toggle" href="#" data-bs-toggle="dropdown">
                <i class="bi bi-envelope bi-sub fs-4 text-gray-600"></i>
              </a>
              <ul class="dropdown-menu dropdown-menu-end" aria-labelledby="navbarDropdown">
                <li>
                  <h6 class="dropdown-header">Mail</h6>
                </li>
                <li><a class="dropdown-item" href="#">No new mail</a></li>
              </ul>
            <li class="nav-item dropdown me-3">
              <a class="nav-link active dropdown-toggle" href="#" data-bs-toggle="dropdown">
                <i class="bi bi-bell bi-sub fs-4 text-gray-600"></i>
              </a>
              <ul class="dropdown-menu dropdown-menu-end" aria-labelledby="navbarDropdown">
                <li>
                  <h6 class="dropdown-header">Activate Windows</h6>
                </li>
                <li><a class="dropdown-item" href="#">Notifications</a></li>
                <li><a class="dropdown-item" href="#">Go to Settings to activate Windows.</a></li>
              </ul>
            </li>
          </ul>
        </div>
      </div>
    </nav>
  </header>
  <div class="flex-grow-1">
    <div class="container">
      <div class="row">
        <div class="col-3">
          <div class="list-group">
            <ul style="list-style-type: none; padding-left: 0;">
              <li><a href="#">Dashboard</a></li>
              <li><a href="#">Students</a></li>
              <li><a href="#">Courses</a></li>
              <li><a href="#">Teachers</a></li>
              <li><a href="#">Attendance</a></li>
              <li><a href="#">Reports</a></li>
            </ul>
          </div>
        </div>
        <div class="col-9">
          <div class="card border-0 shadow-sm mb-4">
            <div class="card-body p-3">
              <div class="d-flex justify-content-between align-items-center">
                <div>
                  <img alt="User profile picture" class="rounded-circle" style="width: 40px; height: 40px; border: 1px solid #ccc; border-radius: 50%; object-fit: cover;"/>
                  <div>
                    <strong>John Doe</strong>
                    <small>Administrator</small>
                  </div>
                </div>
                <div>
                  <small>Logout</small>
                </div>
              </div>
              <div>
                <h3>Student Management System</h3>
                <p>A simple Laravel application for managing student data. It includes features for adding, updating, and deleting students, as well as viewing their details and generating reports. The system uses a clean, modern design with Bootstrap 5 and Tailwind CSS. It also includes authentication and authorization for users. The database is MySQL, and the application is built using Laravel's built-in scaffolding and some customizations. The code is well-organized and follows best practices for Laravel development. The application is currently in its early stages of development and has a lot of potential for further growth and expansion. I hope you find it useful and informative!</p>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

```

➤ Footer.blade.php

The screenshot shows the Visual Studio Code interface with the Footer.blade.php file open. The footer includes a copyright notice for 2021 and links to Mazer and Perfect Scrollbar scripts.

```
<div class="footer">
  <div class="float-start">
    <p>©2021 &copy; Mazer</p>
  </div>
</div>
<div class="float-end">
  <script src="{{asset('assets/vendors/perfect-scrollbar/perfect-scrollbar.min.js')}}"></script>
  <script src="{{asset('assets/js/bootstrap.bundle.min.js')}}"></script>
  <script src="{{asset('assets/js/main.js')}}"></script>
</div>
```

Silahkan anda jalankan browser anda dan perhatikan perubahan yang terjadi

Vertical Layout with Navbar

Example Content

#.	Name	Gender	Age	Address	Action
1.	Diki Resta Kusuma	laki-laki	26	Depok	Show Edit Delete

2021 © Mazer

Activate Windows
Go to Settings to activate Windows.

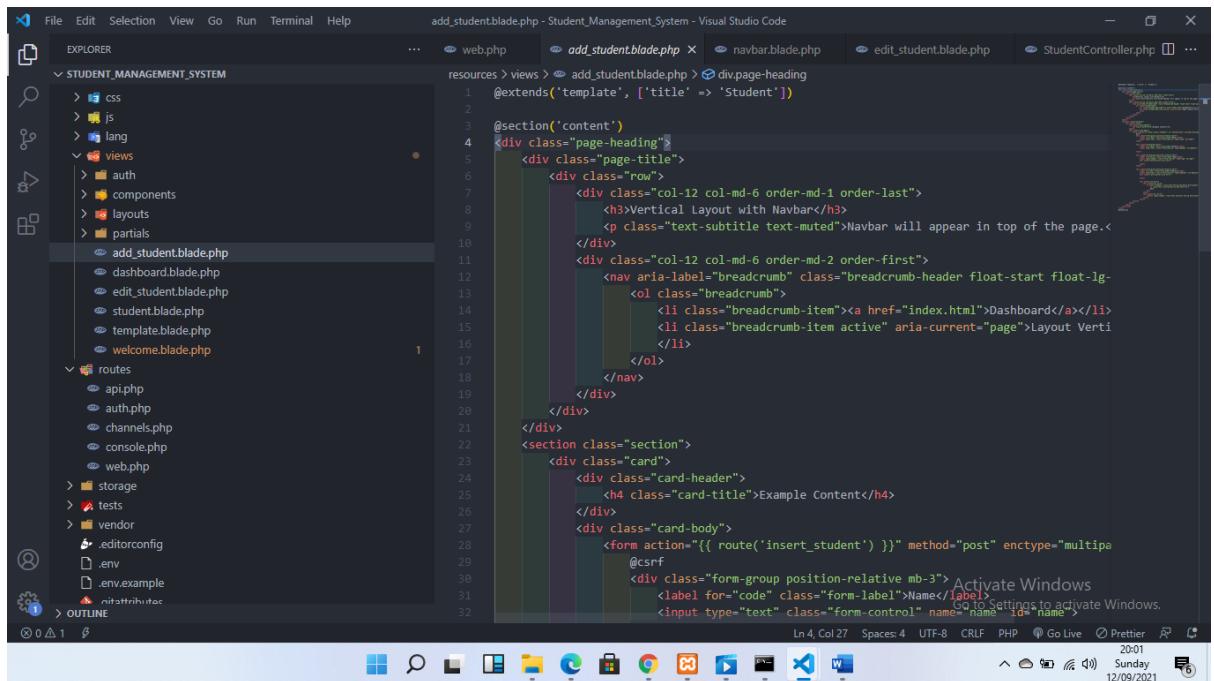
7. Membuat Fungsi Create

Buka file web dalam folder routes dan masukan kode berikut

```
routes > web.php > ...
25  |->middleware(['auth'])->name('dashboard');
26
27  Route::get(
28      '/student',
29      [StudentController::class, 'show']
30  )->name('student_show');
31
32  Route::get('/add_student', function () {
33      return view('add_student');
34  });
35
36  Route::post(
37      '/insert_student',
38      [StudentController::class, 'insert_student']
39  )->name('insert_student');
40
41  Route::get(
42      '/edit_student/{id}',
43      [StudentController::class, 'edit_student']
44  )->name('edit_student');
45
46  Route::post(
47      '/update_student/{id}',
48      [StudentController::class, 'update_student']
49  )->name('update_student');
50
51  Route::get(
52      '/delete_student/{id}',
53      [StudentController::class, 'delete_student']
54  )->name('delete_student');
55
56  require __DIR__ . '/auth.php';
```

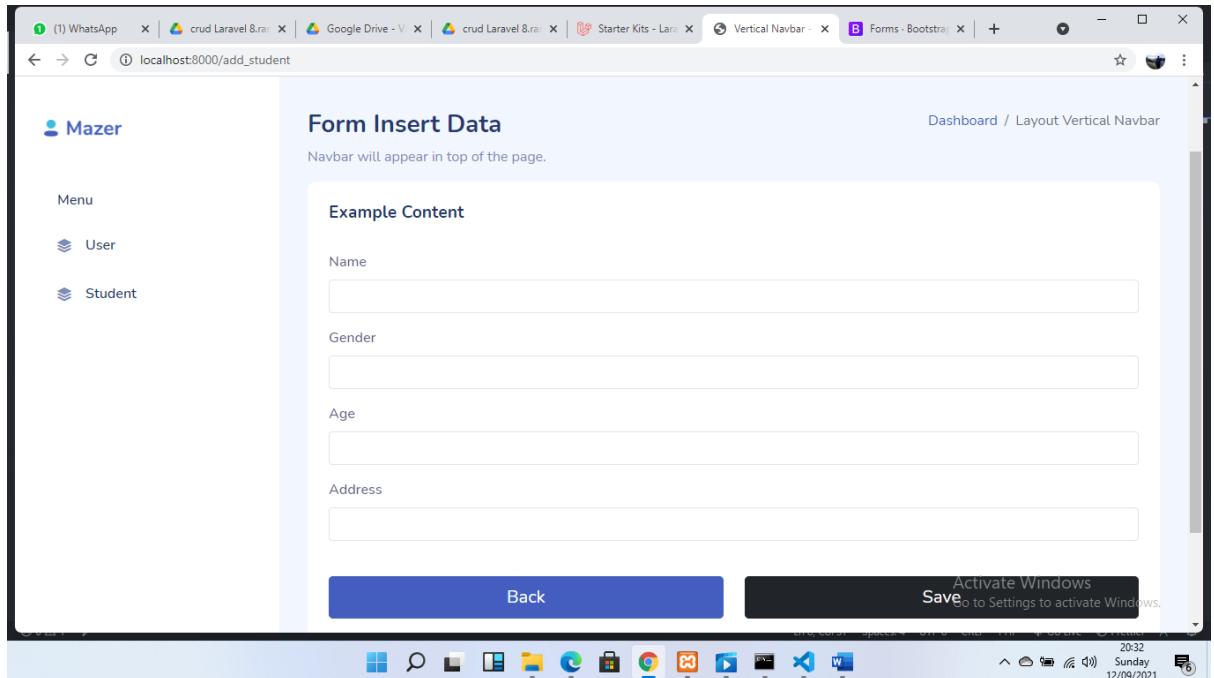
Activate Windows
Go to Settings to activate Windows.

Kemudian buat file Bernama add_student.blade.php dalam folder resources/view dan masukan kode berikut



```
<?php  
@extends('template', ['title' => 'Student'])  
  
@section('content')  
    <div class="page-heading">  
        <div class="page-title">  
            <div class="row">  
                <div class="col-12 col-md-6 order-md-1 order-last">  
                    <h3>Vertical Layout with Navbar</h3>  
                    <p class="text-subtitle text-muted">Navbar will appear in top of the page.</p>  
                </div>  
                <div class="col-12 col-md-6 order-md-2 order-first">  
                    <nav aria-label="breadcrumb" class="breadcrumb-header float-start float-lg-left">  
                        <ol class="breadcrumb">  
                            <li class="breadcrumb-item"><a href="index.html">Dashboard</a></li>  
                            <li class="breadcrumb-item active" aria-current="page">Layout Vertical</li>  
                        </ol>  
                    </nav>  
                </div>  
            </div>  
        </div>  
        <section class="section">  
            <div class="card">  
                <div class="card-header">  
                    <h4>Example Content</h4>  
                </div>  
                <div class="card-body">  
                    <form action="{{ route('insert_student') }}" method="post" enctype="multipart/form-data">  
                        @csrf  
                        <div class="form-group position-relative mb-3">  
                            <label for="code" class="form-label">Name</label>  
                            <input type="text" class="form-control" name="name" id="name">  
                        </div>  
                        <div class="form-group position-relative mb-3">  
                            <label for="code" class="form-label">Gender</label>  
                            <input type="text" class="form-control" name="gender" id="gender">  
                        </div>  
                        <div class="form-group position-relative mb-3">  
                            <label for="code" class="form-label">Age</label>  
                            <input type="text" class="form-control" name="age" id="age">  
                        </div>  
                        <div class="form-group position-relative mb-3">  
                            <label for="code" class="form-label">Address</label>  
                            <input type="text" class="form-control" name="address" id="address">  
                        </div>  
                    </form>  
                </div>  
            </div>  
        </section>  
    </div>  
</div>
```

Sehingga membuat tampilan seperti berikut



Buka file StudentController.php dan masukan kode berikut

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Models\Student;

class StudentController extends Controller
{
    public function show()
    {
        $students = Student::all();
        return view('student', compact('students'));
    }

    public function insert_student(Request $request)
    {
        // dd($request);
        $students = new Student();

        $students->name = $request->name;
        $students->gender = $request->gender;
        $students->age = $request->age;
        $students->address = $request->address;

        $students->save();
        return redirect()->route('student_show');
    }

    public function edit_student($id)
    {
    }
}
```

8. Membuat Fungsi Read

Buka file StudentController.php dan masukan kode berikut

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Models\Student;

class StudentController extends Controller
{
    public function detail_student($id)
    {
        $students = Student::find($id);
        return view('detail_student', compact('students'));
    }

    public function edit_student($id)
    {
        $students = Student::find($id);
        return view('edit_student', compact('students'));
    }

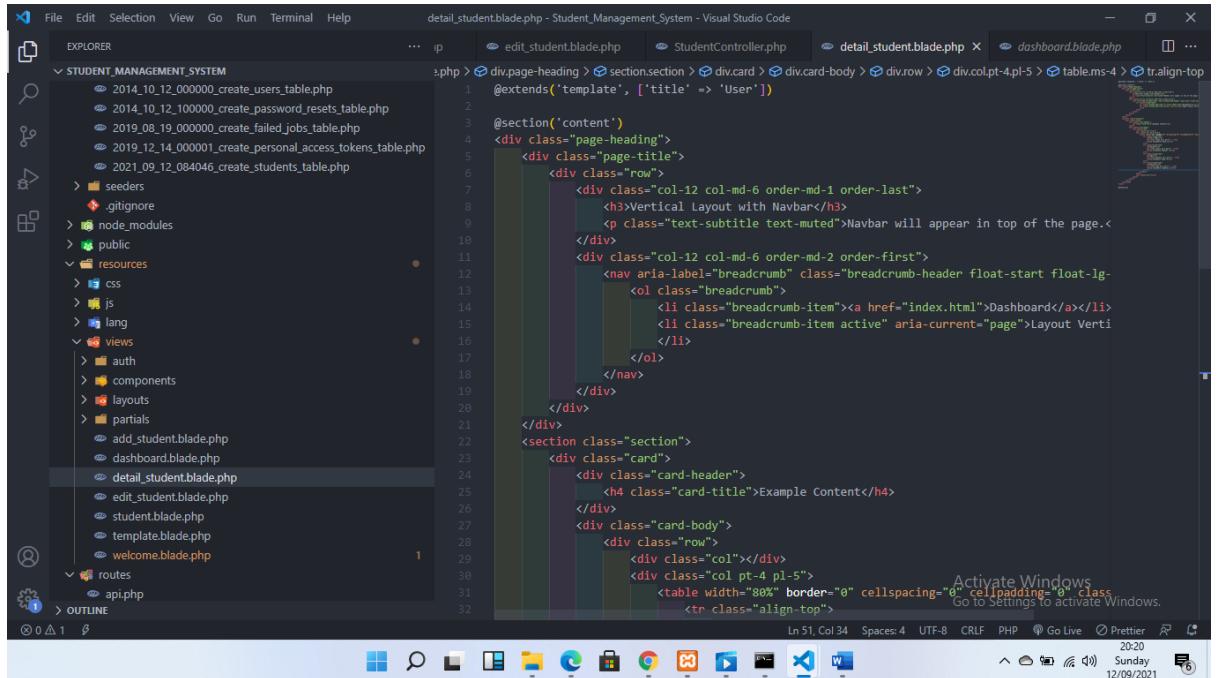
    public function update_student(Request $request, $id)
    {
        // dd($request);
        $students = Student::find($id);

        $students->name = $request->name;
        $students->gender = $request->gender;
        $students->age = $request->age;
        $students->address = $request->address;

        $students->save();
        return redirect()->route('student_show');
    }

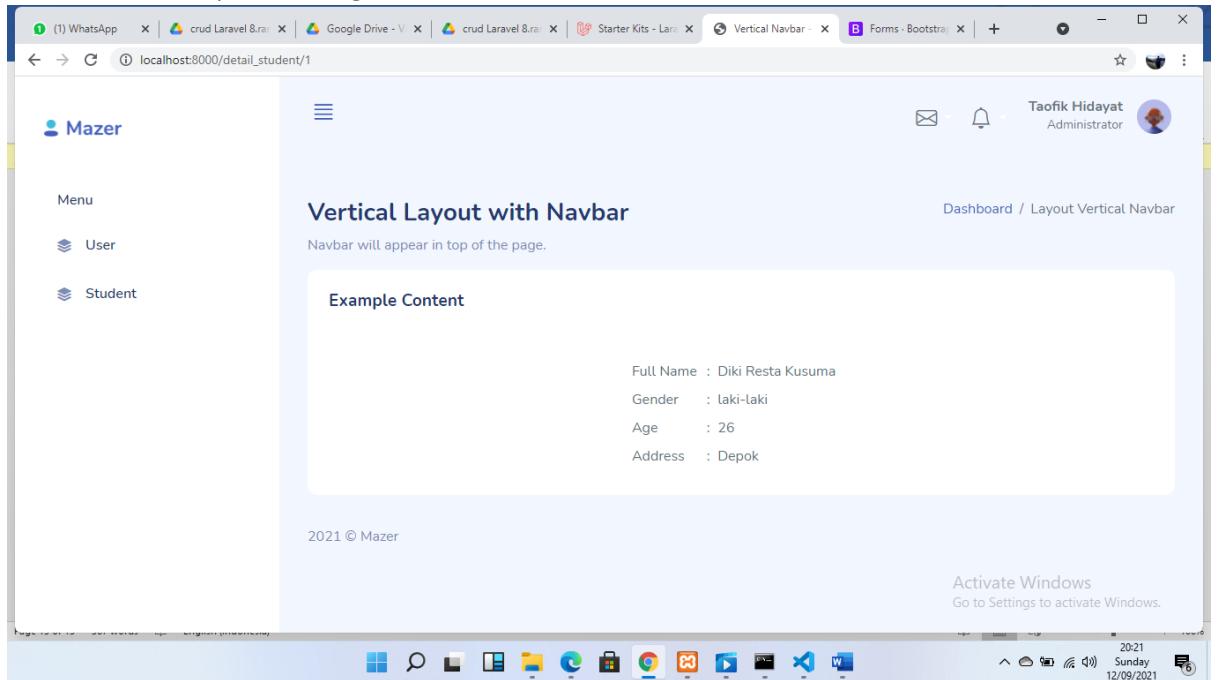
    public function delete_student($id)
    {
    }
}
```

Buatlah file baru Bernama detail_student.blade.php pada folder resources/view dan masukan kode berikut



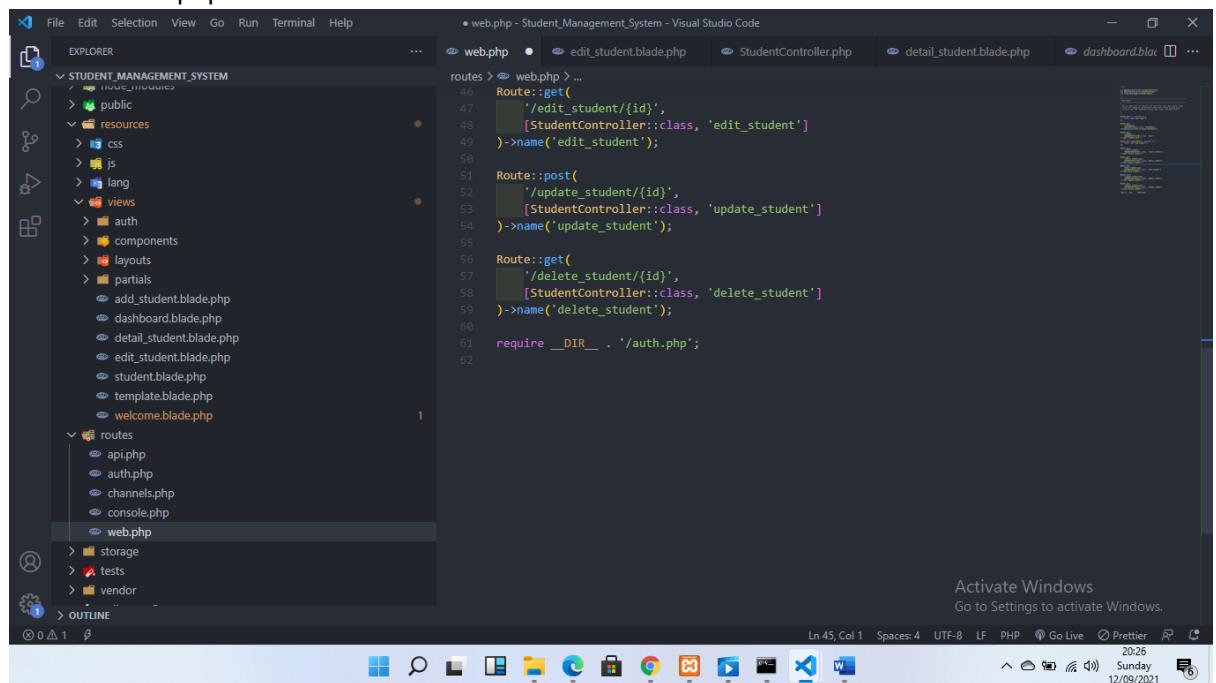
```
<?php ><div>.page-heading </div><section><div>.card <div>.card-body <div>.row <div>.col.pt-4.pl-5 <table>.ms-4 <tr>.align-top<br>@extends('template', ['title' => 'User'])<br><div>.content</div><div>.page-heading</div><div>.page-title</div><div>.row</div><div>.col-12.col-md-6.order-md-1.order-last</div><h3>Vertical Layout with Navbar</h3><p>Navbar will appear in top of the page.</p></div><div>.col-12.col-md-6.order-md-2.order-first</div><nav>.aria-label="breadcrumb" class="breadcrumb-header float-start float-lg-left"</nav><ol><li>.breadcrumb-item <a href="index.html">Dashboard</a></li><li>.breadcrumb-item active" aria-current="page">Layout Verti</li></ol></div></div><div>.section</div><div>.card</div><div>.card-header</div><h4>Example Content</h4></div><div>.card-body</div><div>.row</div><div>.col</div><div>.col.pt-4.pl-5</div><table>.width="88%" border="0" cellspacing="0" cellpadding="0" style="border-collapse: collapse; width: 100%; border: none; margin-bottom: 10px;"><tr>.align-top</tr></table><div>.align-top</div>
```

Dan akan menampilkan sebagai berikut



9. Membuat Fungsi Edit dan Update

Buka file web.php lalu masukan kode berikut



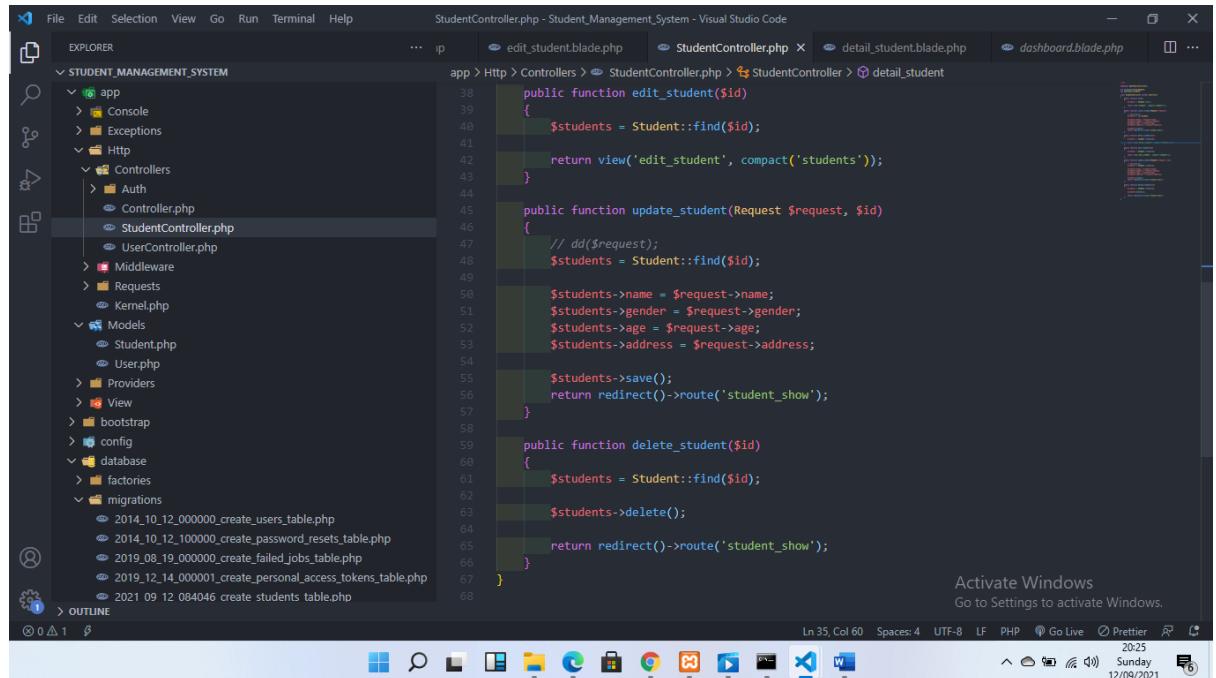
```
Route::get('/edit_student/{id}', [StudentController::class, 'edit_student'])->name('edit_student');

Route::post('/update_student/{id}', [StudentController::class, 'update_student'])->name('update_student');

Route::get('/delete_student/{id}', [StudentController::class, 'delete_student'])->name('delete_student');

require __DIR__ . '/auth.php';
```

Masukan kode berikut pada file StudentController.php



```
public function edit_student($id)
{
    $students = Student::find($id);

    return view('edit_student', compact('students'));
}

public function update_student(Request $request, $id)
{
    // dd($request);
    $students = Student::find($id);

    $students->name = $request->name;
    $students->gender = $request->gender;
    $students->age = $request->age;
    $students->address = $request->address;

    $students->save();
    return redirect()->route('student_show');
}

public function delete_student($id)
{
    $students = Student::find($id);

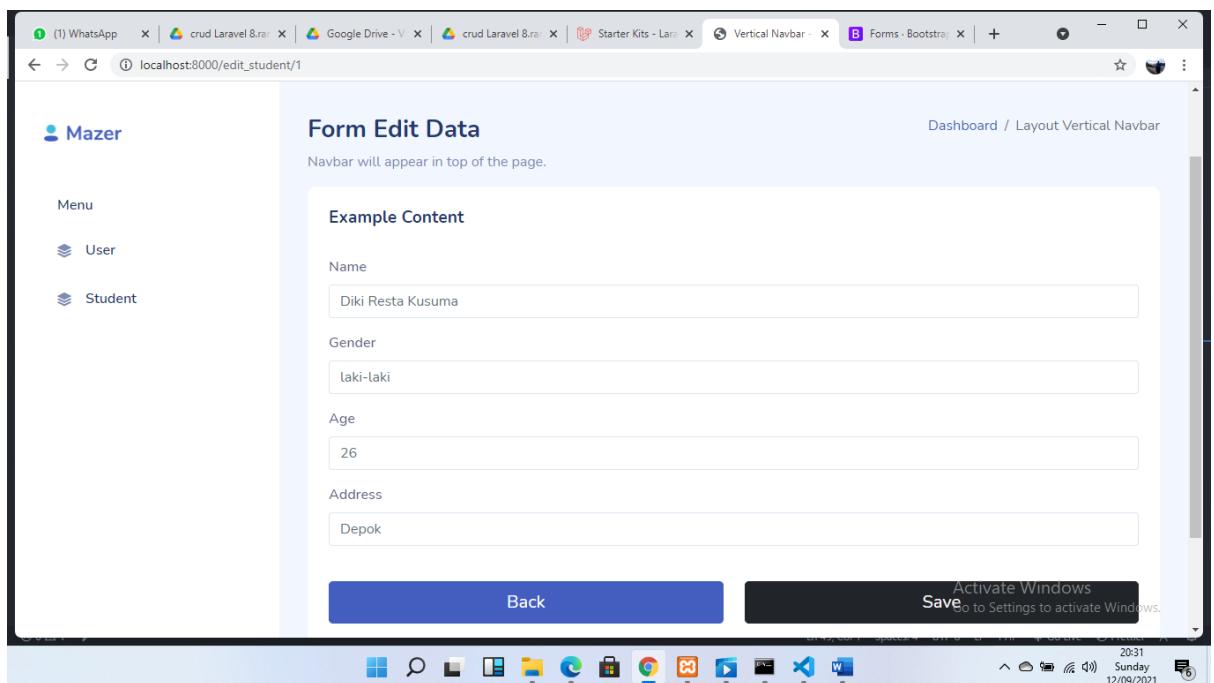
    $students->delete();

    return redirect()->route('student_show');
}
```

Buat file baru Bernama edit_student.blade.php pada folder resource/view dan masukan kode berikut

```
resources > views > edit_student.blade.php > div.page-heading > section.section > div.card > div.card-body > form
21
22     lass="section">
23     lass="card">
24     iv class="card-header">
25         <h4 class="card-title">Example Content</h4>
26     div>
27     iv class="card-body">
28         <form action="/update_student/{{ $students->id }}" method="post" enctype="multipart/form-data">
29             @csrf
30             <div class="form-group position-relative mb-3">
31                 <label for="code" class="form-label">Name</label>
32                 <input type="text" class="form-control" name="name" id="name" value="{{ $students->name }}"/>
33             </div>
34
35             <div class="form-group mb-3">
36                 <label for="name" class="form-label">Gender</label>
37                 <input type="text" class="form-control" name="gender" id="gender" value="{{ $students->gender }}"/>
38             </div>
39
40             <div class="form-group position-relative mb-3">
41                 <label for="price" class="form-label">Age</label>
42                 <input type="number" class="form-control" name="age" id="age" value="{{ $students->age }}"/>
43             <div class="form-control-icon mt-3">
44                 <div>
45                     <div>
46                         <div>
47                             <div>
48
49             <div class="form-group position-relative mb-3">
50                 <label for="qty" class="form-label">Address</label>
51                 <input type="text" class="form-control" name="address" id="address" value="{{ $students->address }}"/>
52             <div class="form-control-icon mt-3">
```

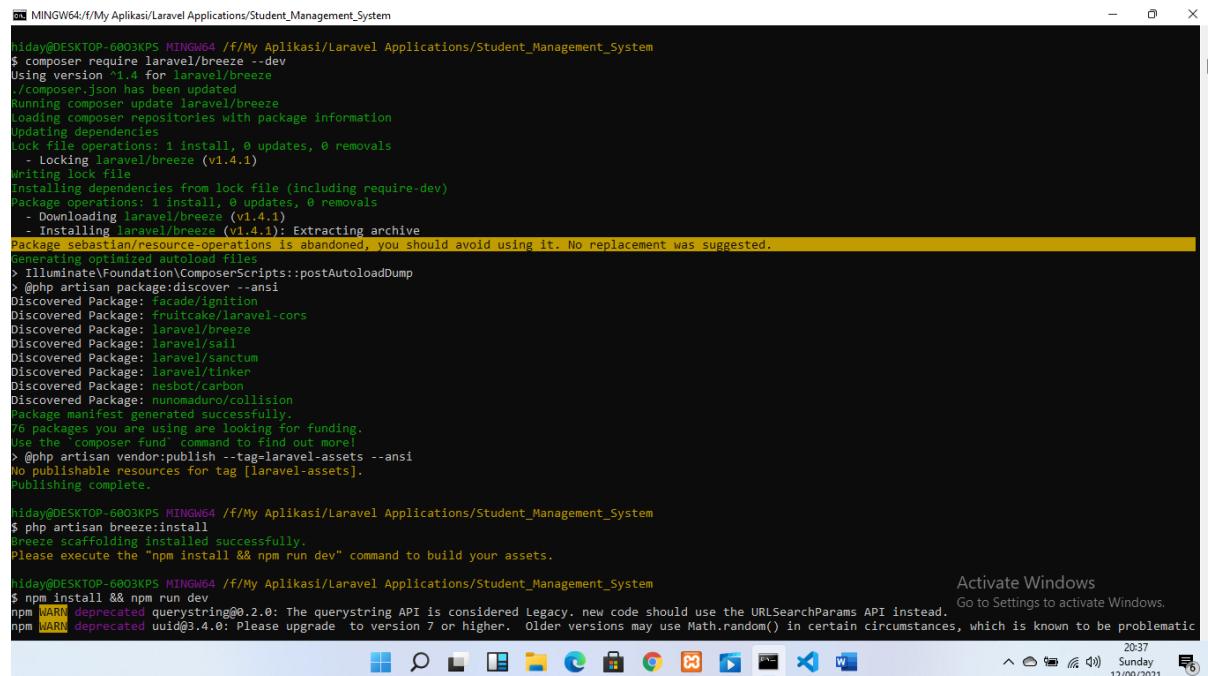
Dan akan menampilkan sebagai berikut



Mengaktifkan Fitur Login

Pada tahap sebelumnya kita telah mengaktifkan fitur login dengan menggunakan Laravel breeze dengan cara sebagai berikut :

Ketikan perintah composer require laravel/breeze --dev pada terminal



```
hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ composer require laravel/breeze --dev
Using version ^1.4 for laravel/breeze
composer.json has been updated
Running composer update laravel/breeze
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
  - Locking laravel/breeze (v1.4.1)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
  - Downloading laravel/breeze (v1.4.1)
    Installing laravel/breeze (v1.4.1); Extracting archive
Package sebastian/resource-operations is abandoned, you should avoid using it. No replacement was suggested.
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/breeze
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
No publishable resources for tag [laravel-assets].
Publishing complete.

hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ php artisan breeze:install
Breeze scaffolding installed successfully.
Please execute the "npm install && npm run dev" command to build your assets.

hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ npm install && npm run dev
npm WARN deprecated querystring@0.2.0: The querystring API is considered Legacy. new code should use the URLSearchParams API instead.
npm WARN deprecated uid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic
, See https://v8.dev/blog/math-random for details.
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@~2.3.2 (node_modules\chokidar\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
added 812 packages from 458 contributors and audited 815 packages in 824.235s

88 packages are looking for funding
  run 'npm fund' for details

Found 0 vulnerabilities

> @ dev F:\My Aplikasi\Laravel Applications\Student_Management_System
> npm run development

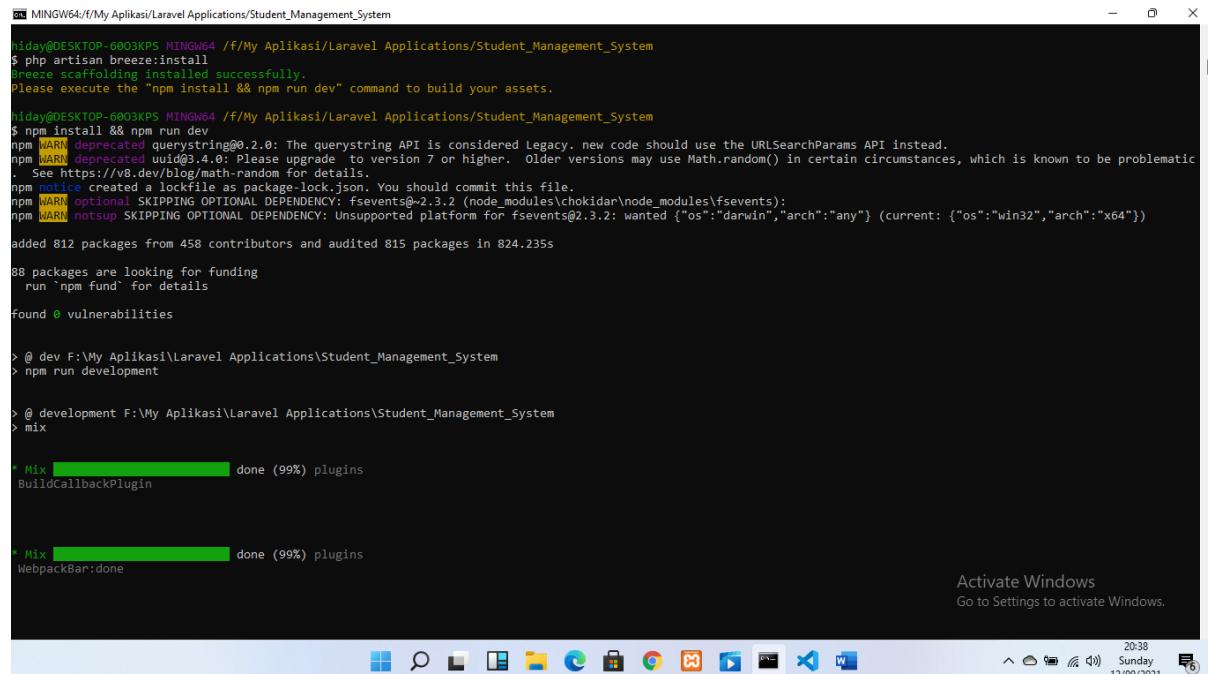
> @ development F:\My Aplikasi\Laravel Applications\Student_Management_System
> mix

* Mix [██████████] done (99%) plugins
BuildCallbackPlugin

* Mix [██████████] done (99%) plugins
WebpackBar:done
```

Activate Windows
Go to Settings to activate Windows.
20:37
Sunday
12/09/2021

php artisan breeze:install



```
hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ php artisan breeze:install
Breeze scaffolding installed successfully.
Please execute the "npm install && npm run dev" command to build your assets.

hiday@DESKTOP-6003KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ npm install && npm run dev
npm WARN deprecated querystring@0.2.0: The querystring API is considered Legacy. new code should use the URLSearchParams API instead.
npm WARN deprecated uid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic
, See https://v8.dev/blog/math-random for details.
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@~2.3.2 (node_modules\chokidar\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
added 812 packages from 458 contributors and audited 815 packages in 824.235s

88 packages are looking for funding
  run 'npm fund' for details

Found 0 vulnerabilities

> @ dev F:\My Aplikasi\Laravel Applications\Student_Management_System
> npm run development

> @ development F:\My Aplikasi\Laravel Applications\Student_Management_System
> mix

* Mix [██████████] done (99%) plugins
BuildCallbackPlugin

* Mix [██████████] done (99%) plugins
WebpackBar:done
```

Activate Windows
Go to Settings to activate Windows.
20:38
Sunday
12/09/2021

npm install && npm run dev

```

MINGW64:/f/My Aplikasi/Laravel Applications/Student_Management_System
lilav@DESKTOP-6803KPS MINGW64 /f/My Aplikasi/Laravel Applications/Student_Management_System
$ npm install && npm run dev
npm WARN deprecated querystring@0.2.0: The querystring API is considered Legacy. new code should use the URLSearchParams API instead.
npm WARN deprecated uid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic
. See https://v8.dev/blog/math-random for details.
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\chokidar\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

added 812 packages from 458 contributors and audited 815 packages in 824.235s

88 packages are looking for funding
  run `npm fund` for details

Found 0 vulnerabilities

> @ dev F:\My Aplikasi\Laravel Applications\Student_Management_System
> npm run development

> @ development F:\My Aplikasi\Laravel Applications\Student_Management_System
> mix

* Mix [██████████] done (99%) plugins
BuildCallbackPlugin

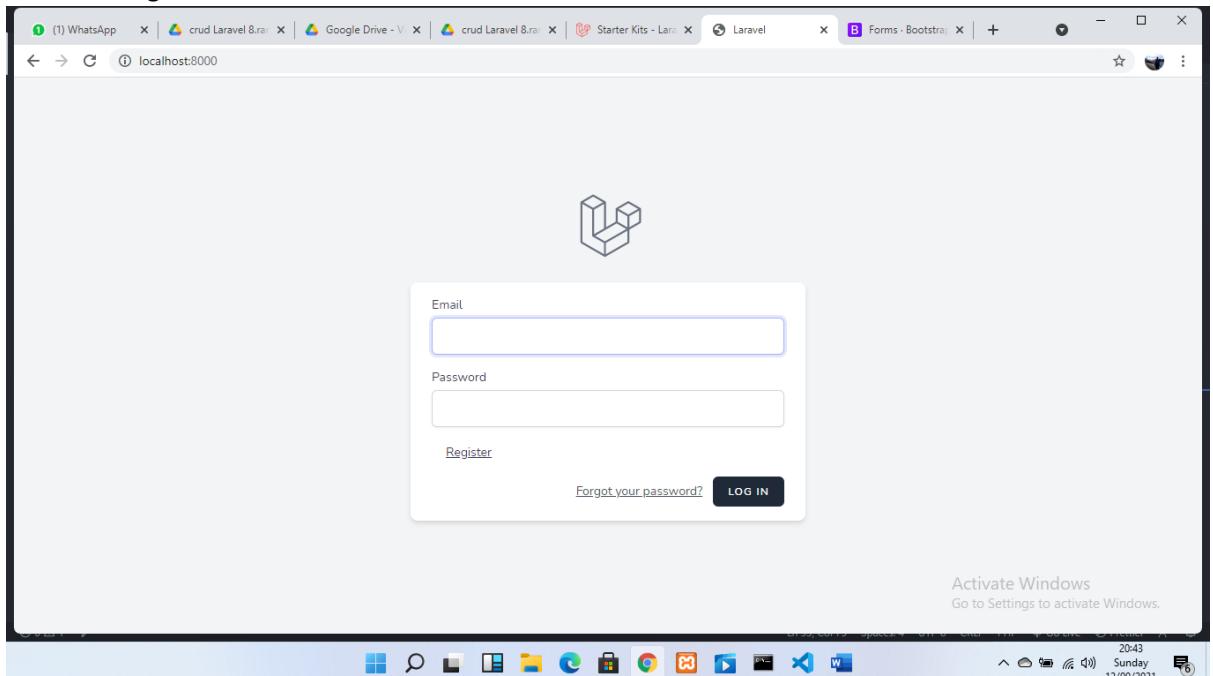
* Mix [██████████] done (99%) plugins
WebpackBar:done


```

Activate Windows
Go to Settings to activate Windows.

Sehingga akan menampilkan halaman sebagai berikut :

1. Halaman Login



2. Halaman Register

