



#### Discussion Outline

- Mddleware in Laravel
- Types of Middleware
- Connect to MYSQL Database

Model in Laravel

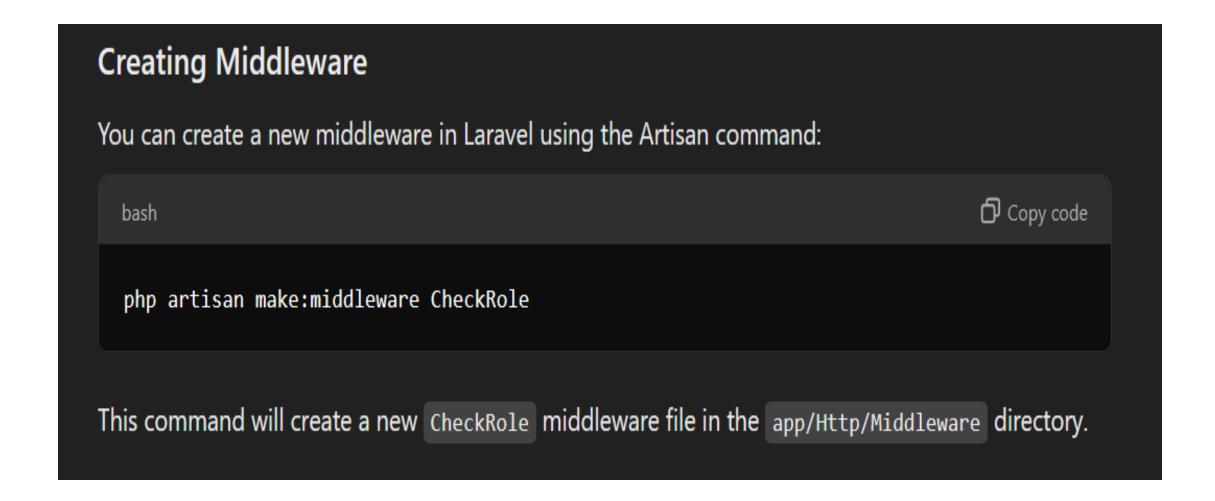
#### Middleware in Laravel

- In Laravel, middleware is a layer between the **request** and the **application** that filters HTTP requests entering the application.
- Middleware can be used for tasks like **authentication**, **logging**, and **modifying** request data. It's a powerful tool for **controlling access** to specific parts of your application and for pre- or post-processing requests.

#### Common Uses for Middleware

- \*Authentication: Ensuring only logged-in users can access certain routes.
- **Logging**: Logging each request or tracking user activity.
- **CORS**: Adding Cross-Origin Resource Sharing headers to the response.
- **❖Data Sanitization**: Modifying request data before passing it to the controller.
- **❖Maintenance Mode**: Redirecting all users to a maintenance page when the site is down.

## **Creating Middleware**



## Types of Middleware



In Laravel, middleware can be classified into different types based on how they are applied and their purpose. Here's a breakdown of the main types:

#### 1. Global Middleware

- Purpose: These middleware are applied to every HTTP request for the application.
- Usage: Typically used for tasks that need to be executed on every request, such as session management, CORS, or logging.
- Example: The TrimStrings middleware trims whitespace from request input data on all routes.

```
Registration: Global middleware are registered in the $middleware property of app/Http/
Kernel.php:
                                                                                  Copy code
  php
  protected $middleware = [
      \App\Http\Middleware\TrustHosts::class,
      \App\Http\Middleware\TrustProxies::class,
      \App\Http\Middleware\HandleCors::class,
      \App\Http\Middleware\PreventRequestsDuringMaintenance::class,
  ];
```

#### 2. Route Middleware

- Purpose: These middleware are applied only to specific routes or route groups, allowing finegrained control over which requests they affect.
- Usage: Useful for applying middleware to routes with particular requirements, like authentication or role-based access control.
- Example: auth middleware checks if the user is authenticated for specific routes.

Registration: Route middleware are registered in the \$routeMiddleware array in Kernel.php and are then referenced by their alias:

```
Copy code
  php
  protected $routeMiddleware = [
      'auth' => \App\Http\Middleware\Authenticate::class,
      'throttle' => \Illuminate\Routing\Middleware\ThrottleRequests::class,
      'checkRole' => \App\Http\Middleware\CheckRole::class,
  ];
Usage in Routes:
                                                                                Copy code
  php
  Route::get('/admin', [AdminController::class, 'index'])->middleware('auth');
```

#### 3. Middleware Groups

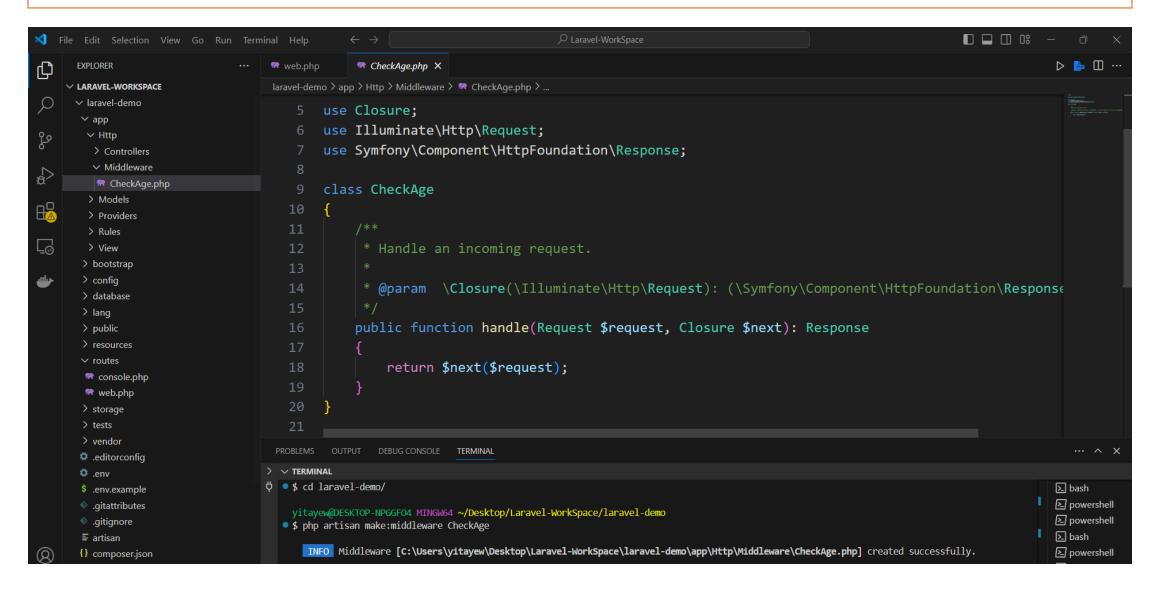
- Purpose: Middleware groups allow bundling multiple middleware together and applying them
  as a group to a set of routes. This simplifies route definitions and makes code more organized.
- Usage: Common for categorizing routes by context, such as web and api routes.
- Example: The web group includes middleware for session handling, CSRF protection, etc., while the api group often includes rate limiting.

Registration: Middleware groups are registered in the \$middlewareGroups array in Kernel.php:

```
Registration: Middleware groups are registered in the $middlewareGroups array in Kernel.php:
                                                                                  Copy code
  php
  protected $middlewareGroups = [
      'web' => [
          \App\Http\Middleware\EncryptCookies::class,
          \Illuminate\Cookie\Middleware\AddQueuedCookiesToResponse::class,
          \Illuminate\Session\Middleware\StartSession::class,
          \Illuminate\View\Middleware\ShareErrorsFromSession::class,
          \App\Http\Middleware\VerifyCsrfToken::class,
      ],
      'api' => [
          'throttle:api',
          \Illuminate\Routing\Middleware\SubstituteBindings::class,
      ],
  ];
```

```
Usage in Routes:
                                                                                Copy code
  php
  Route::middleware(['web'])->group(function () {
      Route::get('/', function () {
          return view('welcome');
      });
  });
```

## Example (Global Route)



```
∠ Laravel-WorkSpace

      EXPLORER
                                      💏 web.php M
                                                     😭 app.php M
                                                                    ★ CheckAge.php M X  middleware.blade.php U
                                       laravel-demo > app > Http > Middleware > ♥ CheckAge.php > ❤ CheckAge > ♦ handle
     ∨ LARAVEL-WORKSPACE

✓ laravel-demo

                                               class CheckAge

✓ app

                                         10

✓ Http

> Controllers
                                         11

✓ Middleware

                                         12
                                                     * Handle an incoming request.
$\hat{2}
         CheckAge.php
                                         13
        > Models
                                         14
                                                     * @param \Closure(\Illuminate\Http\Request): (\Symfony\Component\Http
        > Providers
        > Rules
                                         15
> View
                                                    public function handle(Request $request, Closure $next): Response

∨ bootstrap

                                         17
حظت
        > cache
                                         18
                                                         if($request->age<18){</pre>
        😭 app.php
                                 М
                                         19
                                                              die("You are not allowed to accesses this website");
        m providers.php
       > config
                                         20
       > database
                                         21
                                                         return $next($request);
       > lang
                                         22
       > public
                                         23
       resources
```

```
∠ Laravel-WorkSpace

💢 File Edit Selection View Go Run Terminal Help
                                                 💏 app.php M 🗙 💮 CheckAge.php M
                                                                                middleware.blade.php U
     EXPLORER
                                   💏 web.php M
                                   laravel-demo > bootstrap > ♠ app.php > ♠ Closure

✓ LARAVEL-WORKSPACE

✓ laravel-demo

                                       1 <?php

✓ app

                                           use Illuminate\Foundation\Application;
64

✓ Http

                                           use Illuminate\Foundation\Configuration\Exceptions;
        > Controllers
                                           use Illuminate\Foundation\Configuration\Middleware;

✓ Middleware

₽
                                           use App\Http\Middleware\CheckAge;
         CheckAge.php
       > Models
                                           return Application::configure(basePath: dirname( DIR ))
       > Providers
                                                ->withRouting(
       > Rules
                                                     web: DIR .'/../routes/web.php',
> View
                                                     commands: DIR .'/../routes/console.php',

∨ bootstrap

       > cache
                                                     health: '/up',
       💏 app.php
                                      11
       m providers.php
                                                ->withMiddleware(function (Middleware $middleware) {
                                      12
      > config
                                      13
                                                     //Option 1
      > database
                                                     $middleware->append(CheckAge::class);
      > lang
                                      14
      > public
                                      15
                                                     // option 2

✓ resources

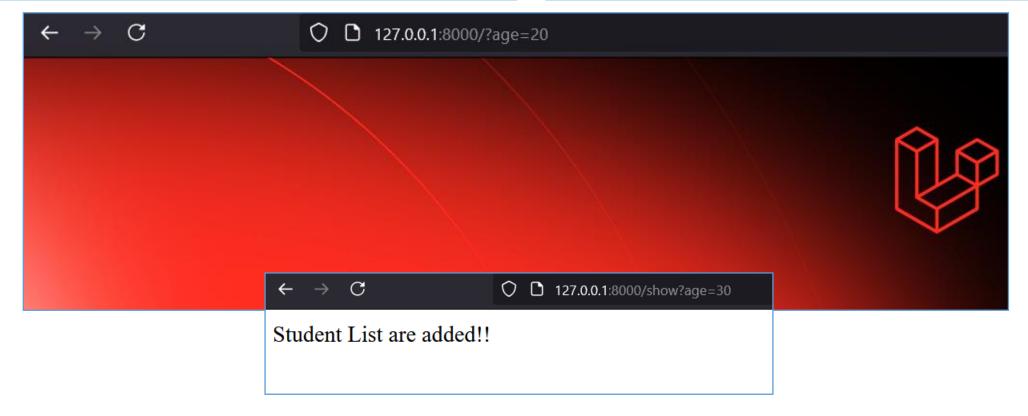
                                                     $middleware->use([
       > css
                                      17
                                                          \App\Http\Middleware\CheckAge::class
       > js
                                                     ]);

✓ views

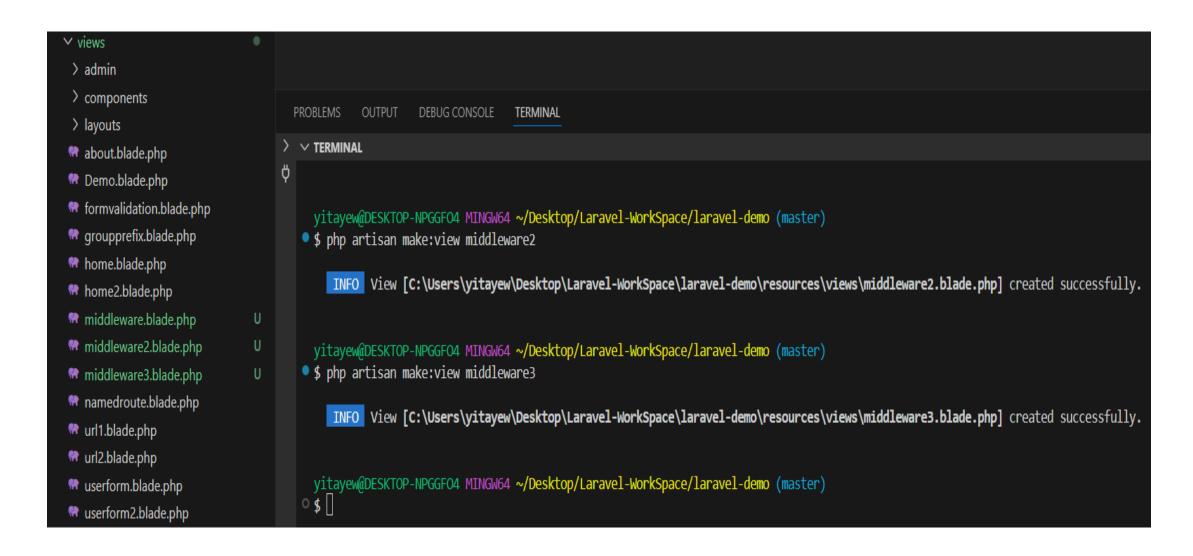
        > admin
        > components
                                                ->withExceptions(function (Exceptions $exceptions) {
        > layouts
                                      21
        about.blade.php
                                                })->create();
                                      22
        m Demo.blade.php
```

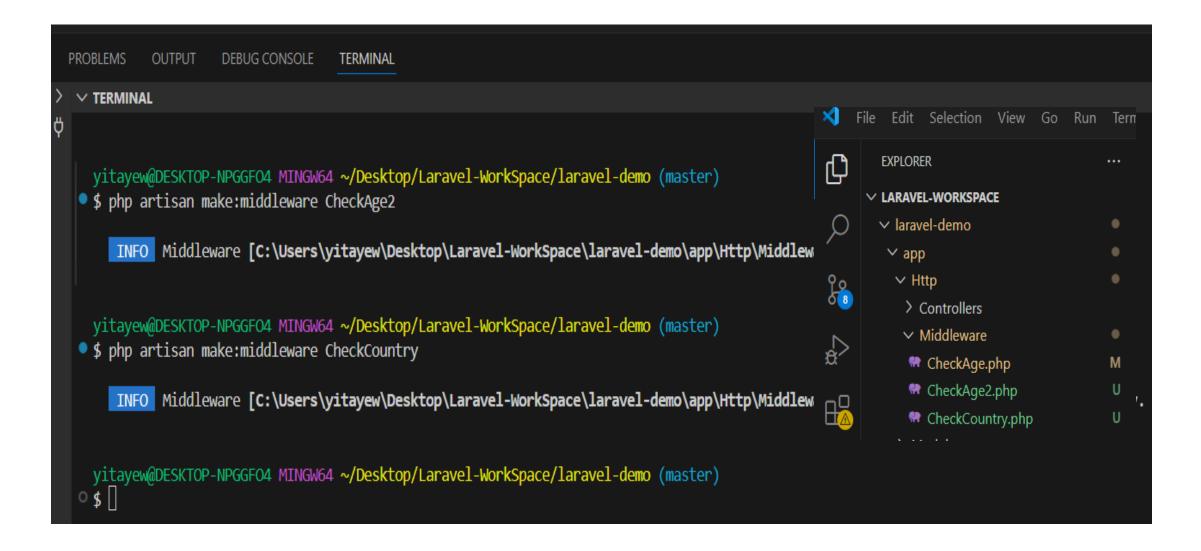






# Example (Middleware Group) Apply on Single Route





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□ …
                                                                                   💏 app.php M
     EXPLORER
                                  laravel-demo > app > Http > Middleware > ♥ CheckAge2.php > ...

∨ LARAVEL-WORKSPACE

✓ laravel-demo

                                         <?php

✓ app

✓ Http

                                         namespace App\Http\Middleware;
        > Controllers

✓ Middleware

        ** CheckAge.php
                                         use Closure;
                                         use Illuminate\Http\Request;
        CheckCountry.php
                                         use Symfony\Component\HttpFoundation\Response;
       > Models
> Providers
                                         class CheckAge2
       > Rules
       > View

∨ bootstrap

                                    11
       > cache
                                               * Handle an incoming request.
                                    12
       😭 app.php
                                    13
       m providers.php
                                               * @param \Closure(\Illuminate\Http\Request): (\Symfony\Component\HttpFoundation\Response
      > config
      > database
      > lang
                                              public function handle(Request $request, Closure $next): Response
      > public

✓ resources

                                                   if($request->age<18){
       > css
       > js
                                                       die("You are under Age and you are not allowed to do so!!");

✓ views

        > admin
                                                   return $next($request);
        > components
        > layouts
        about.blade.php
```

```
∠ Laravel-WorkSpace

                                                                                                                                     D €3
      EXPLORER
                                  laravel-demo > app > Http > Middleware > ♥ CheckCountry.php > ...

∨ LARAVEL-WORKSPACE

✓ laravel-demo

                                         <?php

✓ app

                                         namespace App\Http\Middleware;

✓ Http

                                         use Closure;
        > Controllers
                                         use Illuminate\Http\Request;

✓ Middleware

                                         use Symfony\Component\HttpFoundation\Response;
        CheckAge.php

    ↑ CheckAge2.php

B
                                         class CheckCountry
       > Models
> Providers
       > Rules
       > View
                                               * Handle an incoming request.

∨ bootstrap

                                    11
       > cache
                                               * @param \Closure(\Illuminate\Http\Request): (\Symfony\Component\HttpFoundation\Response
                                    12
       💏 app.php
                                    13
       m providers.php
                                              public function handle(Request $request, Closure $next): Response
      > config
      > database
      > lang
                                                  if($request->country !='ethiopia'){
      > public
                                                       die("You can't access b/c you are not ethiopian");
                                    17

✓ resources

       > css
       > js
                                                  return $next($request);
                                    19

✓ views

        > admin
                                    21
        > components
```

```
🔀 File Edit Selection View Go Run Terminal Help

∠ Laravel-WorkSpace

    ★ web.php M X  
    ★ CheckAge2.php U

                                                                                                                                                 CheckCountry.php U
                                                                                   😭 app.php M 🗙
                                  laravel-demo > bootstrap > ♠ app.php > ...

∨ LARAVEL-WORKSPACE

∨ laravel-demo

                                     1 <?php

✓ app

                                         use Illuminate\Foundation\Application;

✓ Http

                                         use Illuminate\Foundation\Configuration\Exceptions;
        > Controllers
                                         use Illuminate\Foundation\Configuration\Middleware;

✓ Middleware

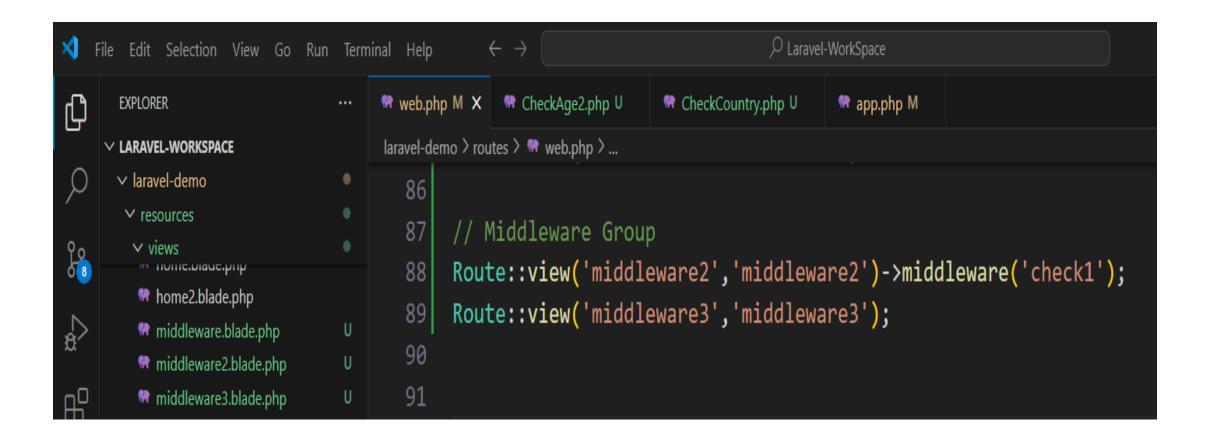
        CheckAge.php
                                         use App\Http\Middleware\CheckAge;
        CheckAge2.php
                                        use App\Http\Middleware\CheckAge2;
B
        CheckCountry.php
                                         use App\Http\Middleware\CheckCountry;
       > Models
                                         return Application::configure(basePath: dirname( DIR ))
> Providers
                                              ->withRouting(
       > Rules
       > View
                                                  web: DIR .'/../routes/web.php',

∨ bootstrap

                                                  commands: __DIR__.'/../routes/console.php',
                                    11
       > cache
                                                  health: '/up',
       e app.php
      m providers.php
                                              ->withMiddleware(function (Middleware $middleware) {
      > config
      > database
                                                  //Option 1 ----- Global Middleware
      > lang
                                                  // $middleware->append(CheckAge::class);
      > public
                                                  // option 2 ---- Global Middleware
      resources
                                                  // $middleware->use([
       > css
       > js
                                                       // \App\Http\Middleware\CheckAge::class ]);

✓ views

                                                  $middleware->appendToGroup("check1",[
        > admin
                                    21
                                                       CheckCountry::class,
        > components
                                                       CheckAge2::class
        > layouts
                                                  ]);
        about.blade.php
        Demo.blade.php
                                              })
```



## For Multiple Route

```
∠ Laravel-WorkSpace
                                     💏 web.php M 🗶 🤎 CheckAge2.php U
      EXPLORER
                                                                      CheckCountry.php U
                                                                                           😭 app.php M

∨ LARAVEL-WORKSPACE

                                     laravel-demo > routes > ♥ web.php > ...

✓ laravel-demo

                                        87
                                              // Middleware Group on Single Route

	✓ resources

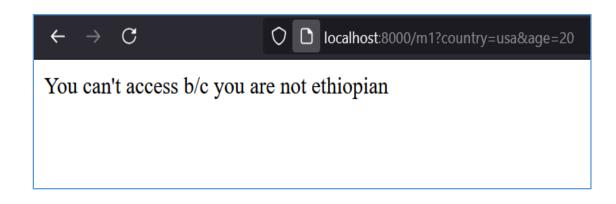
                                        88
                                             Route::view('middleware2', 'middleware2')->middleware('check1');

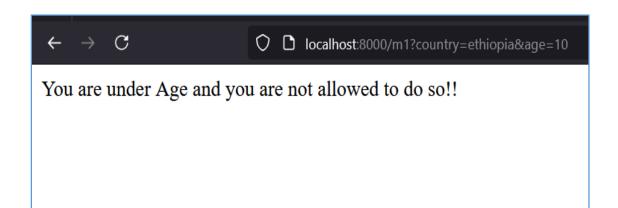
✓ views

008
        » пошелиачении
                                        89
                                             Route::view('middleware3', 'middleware3');
        nome2.blade.php
                                        90
æ
        middleware.blade.php
                                              // Middleware Group on Multiple Routes
        middleware2.blade.php
                                        92
B
        middleware3.blade.php
        namedroute.blade.php
                                        93
                                              Route::middleware('check1')->group(function(){
        💏 url1.blade.php
94
                                                  Route::view('m1', 'middleware3');
        nrl2.blade.php
                                                  Route::view('m2', 'middleware3');
                                        95
        m userform.blade.php
                                        96
                                                  Route::view('m3', 'middleware3');
        wuserform2.blade.php
                                                  Route::view('m4', 'middleware3');
                                        97
        welcome.blade.php

∨ routes

                                             });
                                        98
       console.php
                                        99
        💏 web.php
                                М
```







# Assigning Middleware to Route

```
about.blade.php
                                             // Assigning Middleware to Route
                                     100
  The Demo.blade.php
                                            use App\Http\Middleware\CheckAge3;
                                     101
  formvalidation.blade.php
                                     102
  💏 groupprefix.blade.php
                                     103
  nome.blade.php
                                    PROBLEMS
                                              OUTPUT
                                                      DEBUG CONSOLE
                                                                     TERMINAL
  nome2.blade.php
  middleware.blade.php
                                  > V TERMINAL
  middleware2.blade.php
                                  Ö
                                       yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo (master)
  middleware3.blade.php
                                     $ php artisan make:view middleware4
  middleware4.blade.php
  middleware5.blade.php
                                         INFO View [C:\Users\yitayew\Desktop\Laravel-WorkSpace\laravel-demo\resources\views\middleware4.blade.php] created successfully.
  namedroute.blade.php
  url1.blade.php
                                       yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo (master)
  url2.blade.php
                                     $ php artisan make:view middleware5
  w userform.blade.php
  ucarform? blada php
                                         INFO View [C:\Users\yitayew\Desktop\Laravel-WorkSpace\laravel-demo\resources\views\middleware5.blade.php] created successfully.
OUTLINE
```

```
CheckAge3.php U X
                                                                                                                                                  EXPLORER
                                  laravel-demo > app > Http > Middleware > ♥ CheckAge3.php > ❤ CheckAge3

∨ LARAVEL-WORKSPACE

∨ laravel-demo

                                         <?php

✓ app

                                         namespace App\Http\Middleware;

✓ Http

                                         use Closure;
       Controllers
                                         use Illuminate\Http\Request;

✓ Middleware

                                         use Symfony\Component\HttpFoundation\Response;
        CheckAge.php
        CheckAge2.php
                                         class CheckAge3
        ♣ CheckCountry.php
Ū
        > Models
      > Providers
                                               * Handle an incoming request.
       > Rules
                                    11
      > View
                                               * @param \Closure(\Illuminate\Http\Request): (\Symfony\Component\HttpFoundation\Response
                                    12

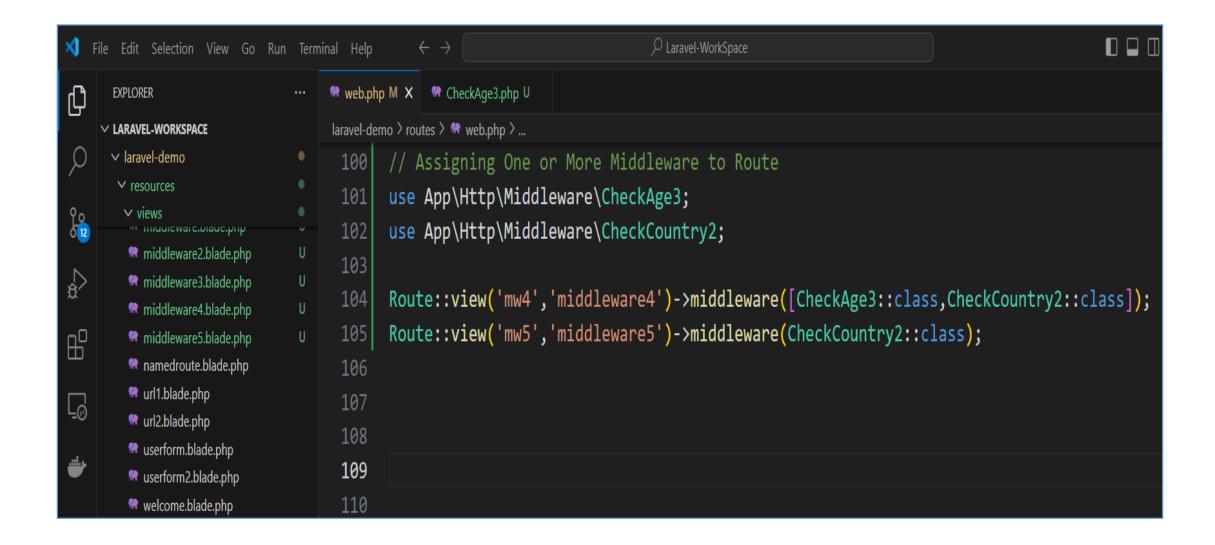
∨ bootstrap

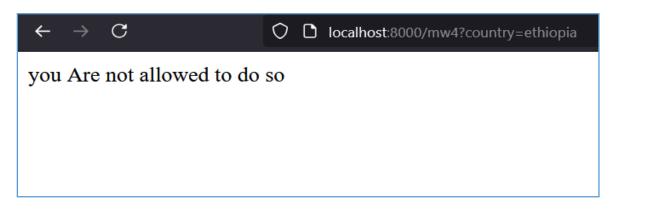
                                    13
      > cache
                                              public function handle(Request $request, Closure $next): Response
      💏 app.php
      m providers.php
                                    15
      > config
                                                  if($request->age<18){</pre>
      > database
                                                       die("you Are not allowed to do so");
                                    17
     > lang
      > public

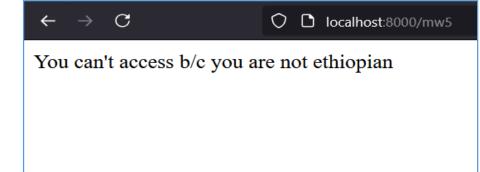
✓ resources

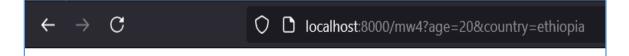
                                                  return $next($request);
      > css
      > js
                                    21

✓ views
```









**Well Come to Middleware Four** 



#### Connect to MYSQL Database



In Laravel 11, connecting to a MySQL database is straightforward thanks to its configuration and built-in support for various database systems. Here's how to set it up:

#### **Step 1: Set Up Database Configuration**

- 1. **Open the** .env **file** in the root of your Laravel project. This file contains environment-specific configurations, including database settings.
- 2. Locate the following lines:

```
DB_CONNECTION=mysql

DB_HOST=127.0.0.1

DB_PORT=3306

DB_DATABASE=your_database_name

DB_USERNAME=your_database_username

DB_PASSWORD=your_database_password
```

- 3. Modify these values to match your MySQL database settings:
  - DB DATABASE: Name of your MySQL database.
  - DB\_USERNAME: Username for connecting to the database.
  - DB PASSWORD: Password for the database user.
  - Optionally, you can also change DB\_HOST if your MySQL is hosted on another server, or DB\_PORT if it's using a non-default port.

#### For example:

```
DB_CONNECTION=mysql

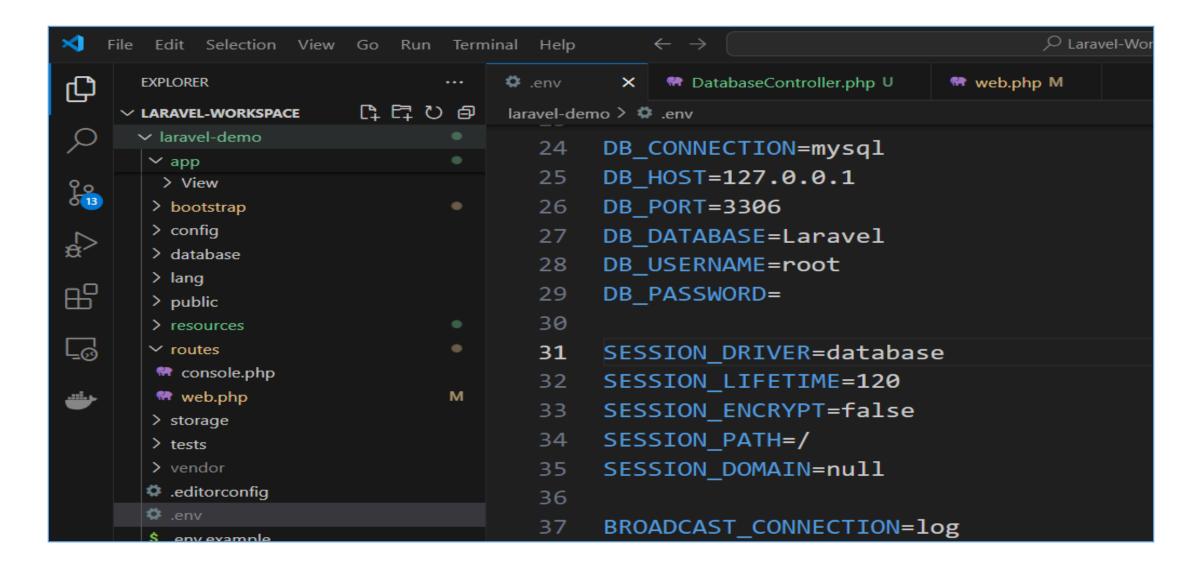
DB_HOST=localhost

DB_PORT=3306

DB_DATABASE=example_database

DB_USERNAME=root

DB_PASSWORD=password123
```



```
∠ Laravel-WorkSpace

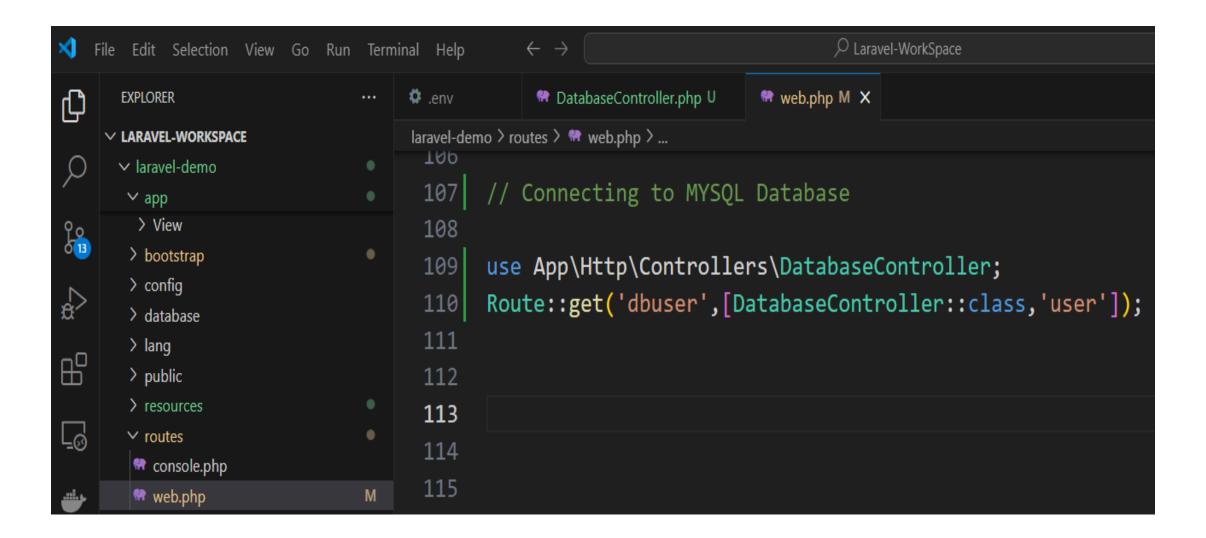
                                                   EXPLORER
                                     .env
                                     laravel-demo > app > Http > Controllers > ♥ DatabaseController.php > ...
     ∨ LARAVEL-WORKSPACE
      ✓ laravel-demo
                                             <?php
       ✓ app
9
0
13

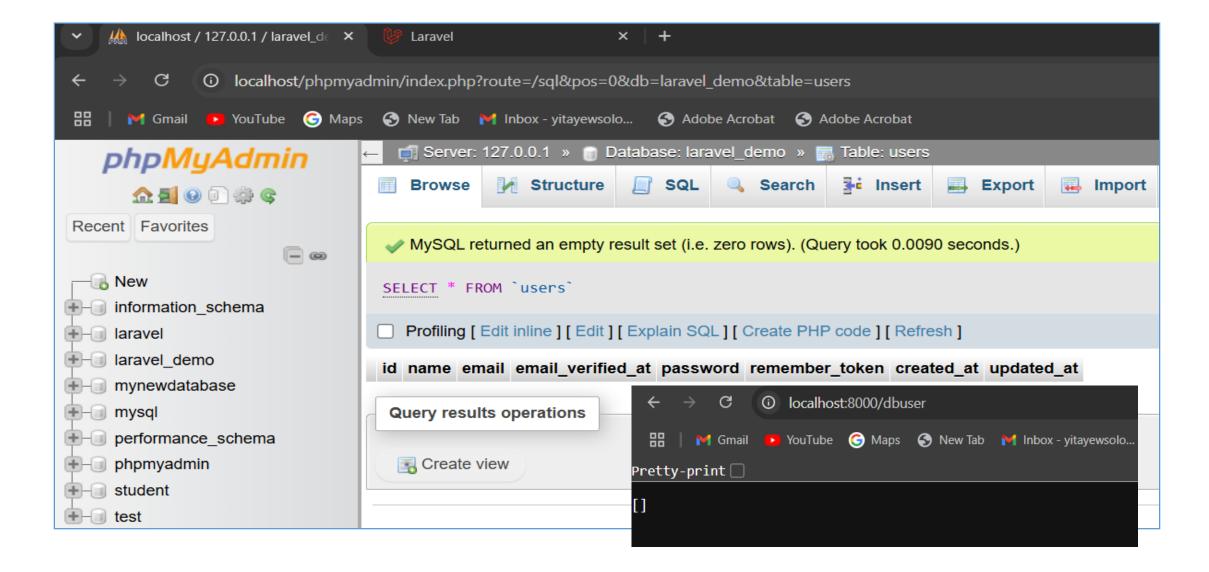
✓ Http

                                             namespace App\Http\Controllers;

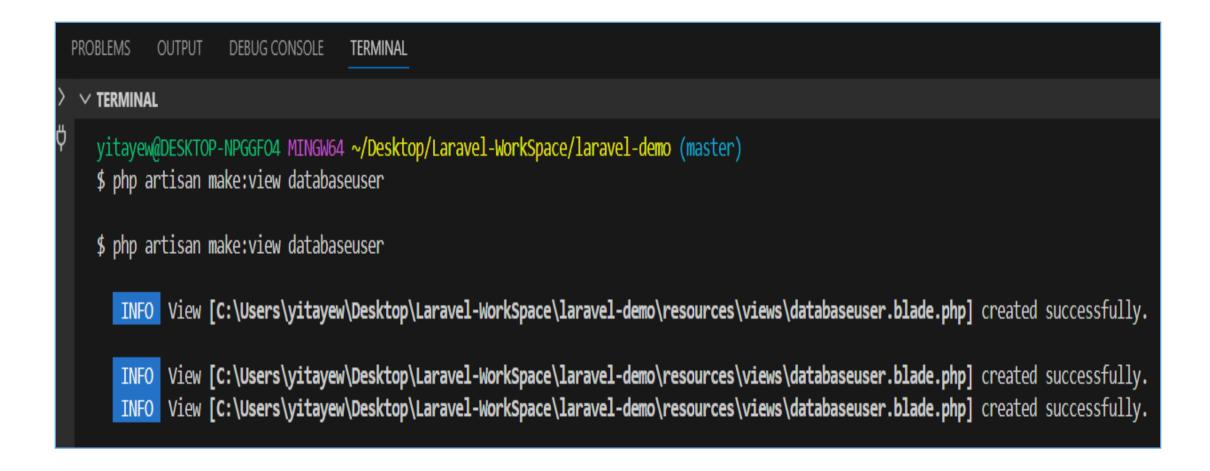
✓ Controllers

         AddNewUser.php
₽
                                             use Illuminate\Http\Request;
         Controller.php
         natabaseController.php
                                             use Illuminate\Support\Facades\DB; // For database usage
œ
         RormValidation.php
         GroupPrefix.php
                                             use function Laravel\Prompts\select;
M HomeController.php
         MamedRoute.php
         StudentController.php
                                             class DatabaseController extends Controller
                                        10
         UserController.php
                                        11
         W UserController2.php
                                        12
         > Middleware
                                                  function users(){
                                        13
        > Models
        > Providers
                                                       return DB::select('select * from user');
                                        14
        > Rules
                                        15
        > View
                                        16
       > bootstrap
```





# Display Database Data on Ul



```
.env
                                                                                                                                    > t3 <u>□ ...</u>
     EXPLORER
                                          ♠ DatabaseController.php U
                                                              m databaseuser.blade.php U X m web.php M
                               laravel-demo > resources > views > ♥ databaseuser.blade.php > ...

✓ LARAVEL-WORKSPACE

✓ laravel-demo

                                     <div>
                                          <h1>Welcome to Database User</h1>
      > View
                                          > bootstrap
                                              >
      > config
                                                  Name
      > database
      > lang
                                                  Email
> public
                                                  Email Verified At

✓ resources

                                                  Password
> css
                                                  Remember Token
      > js

✓ views

                                                  Created At
       > admin
                                 11
                                                  Updated At
       > components
                                              > layouts
                                              @foreach($users as $user)
       nabout.blade.php
       databaseuser.blade.php
                                              >
       m Demo.blade.php
                                                  {{$user->name}}
       formvalidation.blade.php
                                                  {{$user->email}}
       groupprefix.blade.php
                                                  {{$user->email verified at}}
       nome.blade.php
                                                  {{$user->password}}
       nome2.blade.php
       middleware.blade.php
                                                  {{$user->remember_token}}
       middleware2.blade.php
                                                  {{$user->created_at}}
       middleware3.blade.php
                                                  {{$user->updated_at}}
       middleware4.blade.php
                                              middleware5.blade.php
       namedroute.blade.php
                                              @endforeach
       url1.blade.php
                                          url2.blade.php
                                 25 </div>
    > OUTLINE
```

```
∠ Laravel-WorkSpace

▼ File Edit Selection View Go Run Terminal Help
                                                    ♠ DatabaseController.php U X ♠ databaseuser.blade.php U
      EXPLORER
                                      .env
                                                                                                      💏 web.php M

✓ LARAVEL-WORKSPACE

                                       laravel-demo > app > Http > Controllers > ♥ DatabaseController.php > ...

✓ laravel-demo

                                               <?php
       ✓ app
00
014
        ✓ Http
                                               namespace App\Http\Controllers;

✓ Controllers

          AddNewUser.php
$
                                               use Illuminate\Http\Request;
          Controller.php
          M DatabaseController.php
                                               use Illuminate\Support\Facades\DB; // For database usage
FormValidation.php
          GroupPrefix.php
                                               use function Laravel\Prompts\select;
M HomeController.php
          RamedRoute.php
          StudentController.php
                                               class DatabaseController extends Controller
          W UserController.php
                                         11
          W UserController2.php
                                         12
         > Middleware
                                                    function users(){
                                         13
        > Models
        > Providers
                                                         $users= DB::select('select * from users');
        > Rules
                                                         return view("databaseuser",['users'=>$users]);
                                         15
        > View
       > bootstrap
                                         17
       > config
```

```
∠ Laravel-WorkSpace
    File Edit Selection View Go Run Terminal Help
       EXPLORER
                                         .env
                                                        ♠ DatabaseController.php U
                                                                                  🕷 databaseuser.blade.php U
                                                                                                             💏 web.php M X
                                         laravel-demo > routes > ♥ web.php > ...

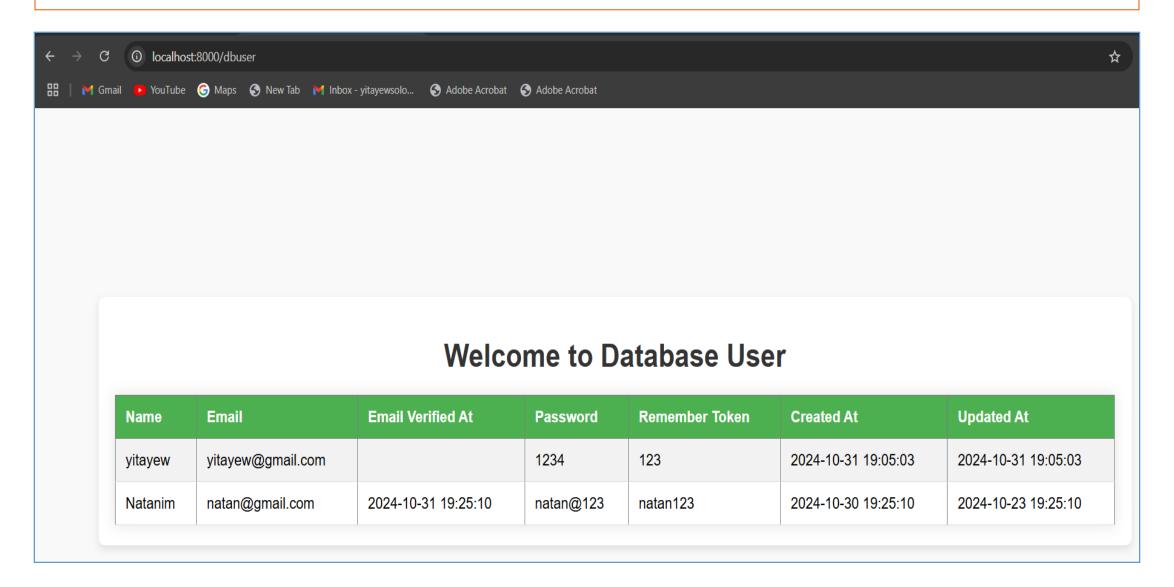
∨ LARAVEL-WORKSPACE

✓ laravel-demo

                                                      Connecting to MYSQL Database
        resources
                                           108

✓ views

 00
014
          ** Illiuuleware.blaue.blib
                                           109
                                                  use App\Http\Controllers\DatabaseController;
          middleware2.blade.php
                                    U
                                                  Route::get('dbuser',[DatabaseController::class,'users']);
                                           110
D
B
          middleware3.blade.php
                                    U
                                           111
          middleware4.blade.php
                                    U
H.
          middleware5.blade.php
                                           112
```



#### Model in Laravel

• In Laravel (and other MVC frameworks), a model represents the **data** and the **business logic** of an application. It is one of the core components of the Model-View-Controller (MVC) architecture, which Laravel follows.

# Key Points about Models in Laravel

- **❖Data Representation**: Models are typically used to represent a **single table** in the database, and each **instance** of a model represents a **single row** in that table.
- For example, a **User** model would correspond to a **users** table in the database, and each User instance would represent a specific user record.

- ❖Eloquent ORM: Laravel uses Eloquent ORM (Object-Relational Mapping) for database interaction. Eloquent makes it easy to work with database records using an expressive, simple syntax, without writing raw SQL queries.
- \*Each model is linked to a database table, and **Eloquent** provides methods to query, **insert**, **update**, and **delete** records with ease.

- **❖Database Interaction**: Models act as an intermediary between the database and the application logic. They contain methods and properties for querying and manipulating the data.
- For instance, with Eloquent, you can fetch a record like User::find(1) to retrieve a user with ID 1, or
- User::where('email', 'example@example.com')->get() to fetch users based on their email.

- Relationships: Eloquent allows defining relationships between models, making it easy to work with related data. Examples of relationships include:
  - ✓ One-to-One (e.g., a User has one Profile)
  - ✓ One-to-Many (e.g., a Post has many Comments)
  - ✓ Many-to-Many (e.g., a User belongs to many Roles)

- \*Business Logic: Models can also contain business logic or data manipulation methods specific to that model.
- This helps keep the application logic organized and separated from the controller or view.

# Example

#### **Example of a Simple Laravel Model**

Let's say we have a User model in Laravel that maps to a users table in the database.

Creating a Model: You can create a model using the Artisan CLI:

php artisan make:model User

yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo (master)

\$ php artisan make:model Student[]

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                                                namespace App\Models;

∨ Controllers

          GroupPrefix.php
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          HomeController.php
                                                use Illuminate\Database\Eloquent\Model;
          NamedRoute.php
StudentController.php
                                                class Student extends Model
          StudentController2.php
UserController.php
          UserController2.php
         > Middleware
                                                      protected $table = "college students";
                                          10

✓ Models

                                                     function TestFunction(){
                                          11
         Student.php
                                          12
                                                           echo "Well come to Test Function";
         W User.php
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        > Providers
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       > bootstrap
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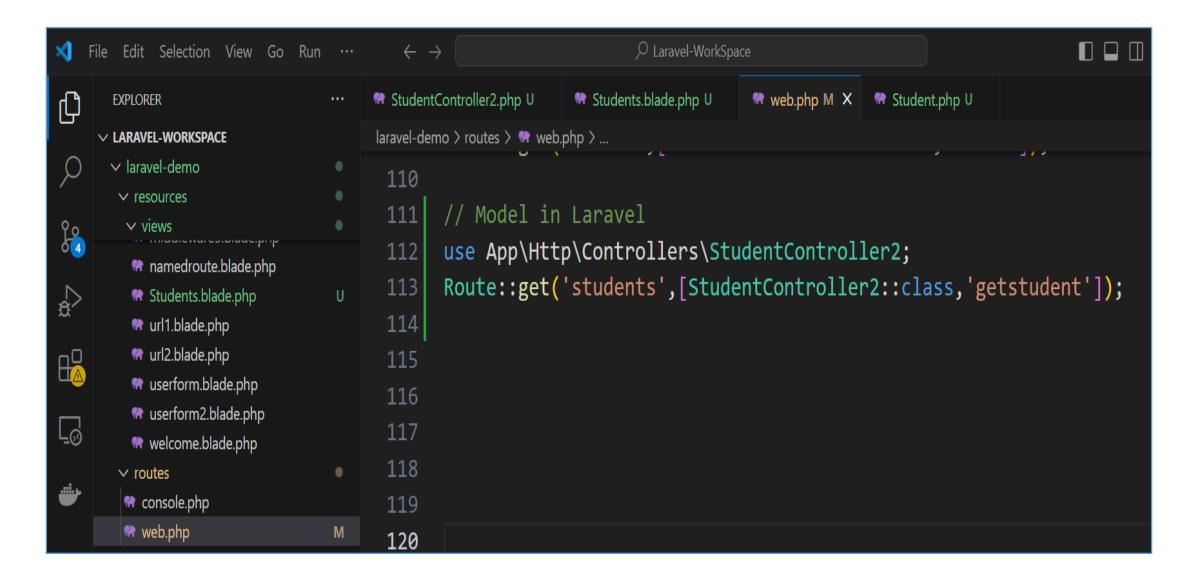
                                             namespace App\Http\Controllers;

∨ Controllers

         GroupPrefix.php
₹
         ♣ HomeController.php
                                             use Illuminate\Http\Request;
         NamedRoute.php
                                             use App\Models\Student;
StudentController.php
                                             class StudentController2 extends Controller
         StudentController2.php
♥ UserController.php
         ♥ UserController2.php
         > Middleware
                                                  function getstudent(){

✓ Models

                                                       $students = \App\Models\Student::all();
                                        11
        Student.php
                                                       $data = new \App\Models\Student;
                                        12
        User.php
                                                       echo $data->TestFunction();
        > Providers
        > Rules
                                        14
                                                       return view('students',['data'=>$students]);
        > View
                                        15
       > bootstrap
       > config
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∨ LARAVEL-WORKSPACE

                                         <div class="container">

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✓ resources

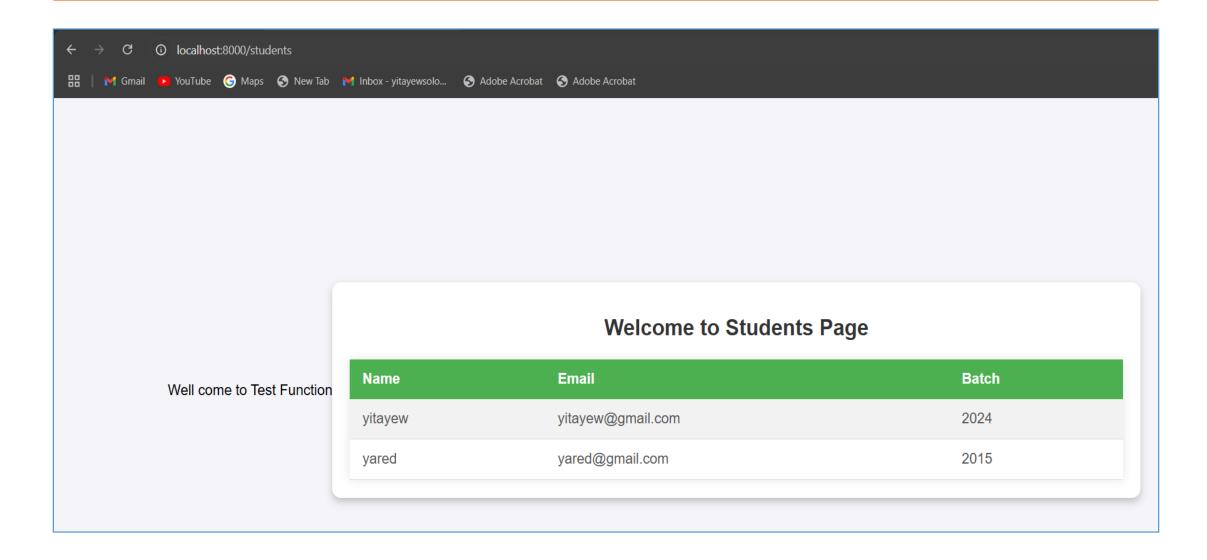
                                             <h1>Welcome to Students Page</h1>

✓ views

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                                                  nome2.blade.php
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middleware.blade.php
                                                       Email
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                                                       Batch
middleware3.blade.php
       middleware4.blade.php
                                                  middleware5.blade.php
خنت
                                                  @foreach($data as $student)
                                    10
       namedroute.blade.php
                                    11
                                                  Students.blade.php
                                                       {{$student->name}}
                                    12
       nrl1.blade.php
                                                       {{$student->email}}
                                    13
       url2.blade.php
       userform.blade.php
                                                       {{$student->batch}}
                                    14
       userform2.blade.php
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                                                  welcome.blade.php
                                    16
                                                  @endforeach

∨ routes

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                                             console.php
       web.php
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                                         </div>
```



# Model Inspect in Laravel

- In Laravel, Model Inspection allows you to gain insights into the structure and properties of a model, including its table name, attributes, relationships, scopes, and more.
- Laravel provides several methods and tools that you can use to inspect models, which is particularly useful when debugging or developing complex applications.

PROBLI	.EMS OUTPUT	DEBUG CONSOLE	TERMINAL			
<b>∨</b> TE	ERMINAL					
• \$	php artisan mod	del:show stude	nt			
	Database					mysql
	Table				col	lege_students
	id increments, name	unique				<pre>int(30) / int varchar(100) varchar(100)</pre>
	Relations					
	Events					
	Observers					

# Thank you!

Appreciate your action.