

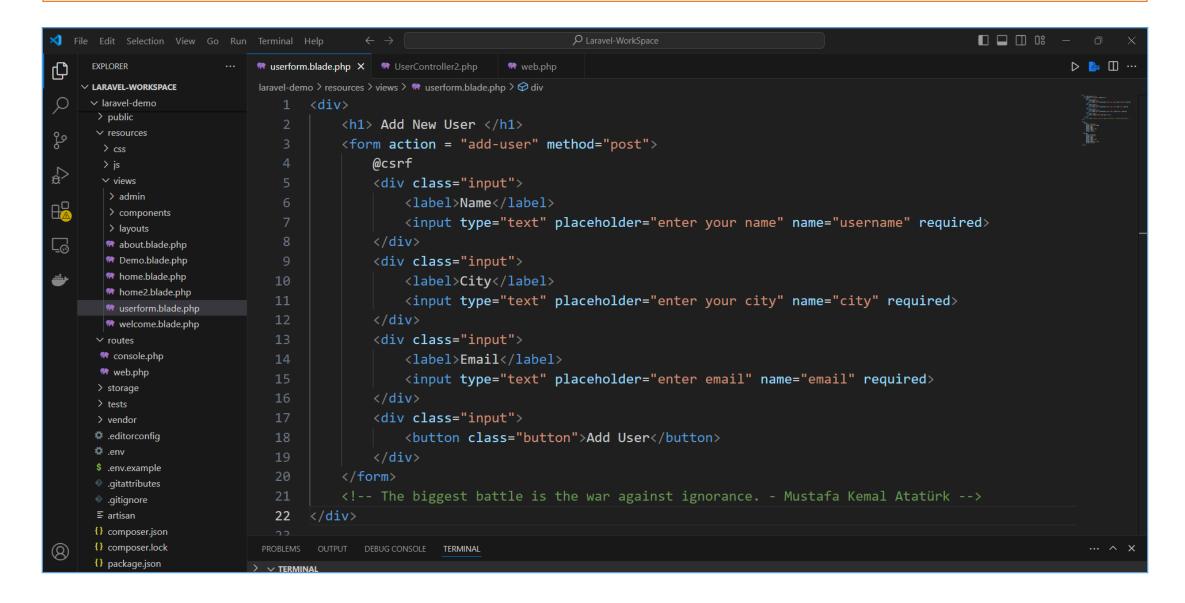


Outlines of Discussions

- Form handling in laravel
- Form Validation
- Named Route in Laravel
- Route Grouping

Form handling in laravel

- In Laravel, forms and input fields can be created using standard HTML or Laravel's Blade syntax.
- Laravel doesn't have its own syntax for creating forms, but it does offer various **tools** and **helper** methods to make handling forms more manageable.



Add New User

Name enter your name

City enter your city

Email enter email

Add User

```
D Laravel-WorkSpace
                                 serform.blade.php

♥ UserController2.php X  
♥ web.php

      EXPLORER
                                 laravel-demo > app > Http > Controllers > ♥ UserController2.php > ...

∨ LARAVEL-WORKSPACE

∨ laravel-demo

                                          <?php
       ∨ app
وړ

∨ Http\Controllers

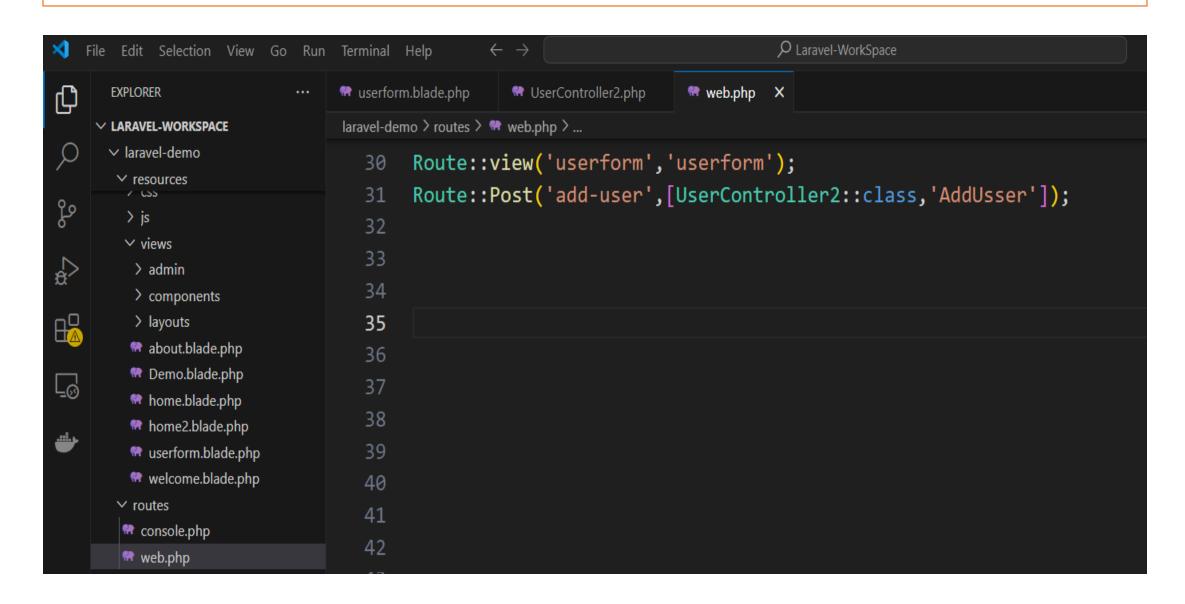
                                          namespace App\Http\Controllers;
        Controller.php
         M HomeController.php
                                          use Illuminate\Http\Request;
         UserController.php
         W UserController2.php
> Models
                                          class UserController2 extends Controller
        > Providers
> View
                                               function AddUsser(Request $request){
       > bootstrap
       > config
                                                    echo "Your Name is:".$request->username."<br>";
       > database
                                                    echo "";
                                    11
       > public
                                    12
                                                    echo "Your Address is:".$request->city."<br>";

∨ resources

                                                    echo "";
        > css
        > js
                                    14
                                                    echo "Your contact is:".$request->input('email')."<br>";

✓ views

                                    15
         > admin
                                    16
```



Add New User

Name

Yitayew Solomon

City

Addis Abeba

Email

yitayewsolomon3@gmail.com

Your Name is: Yitayew Solomon

Your Address is: Addis Abeba

Your contact is:yitayewsolomon3@gmail.com

Add User

More on Forms

```
∠ Laravel-WorkSpace

🔀 File Edit Selection View Go Run Terminal Help
                                                             suserform2.blade.php X
                                                                                                                                                          AddNewUser.php
                                                m web.php
                              laravel-demo > resources > views > ♥ userform2.blade.php > ♦ div > ♦ form > ♦ div

∨ LARAVEL-WORKSPACE

                                  1 <div>

∨ laravel-demo

✓ app

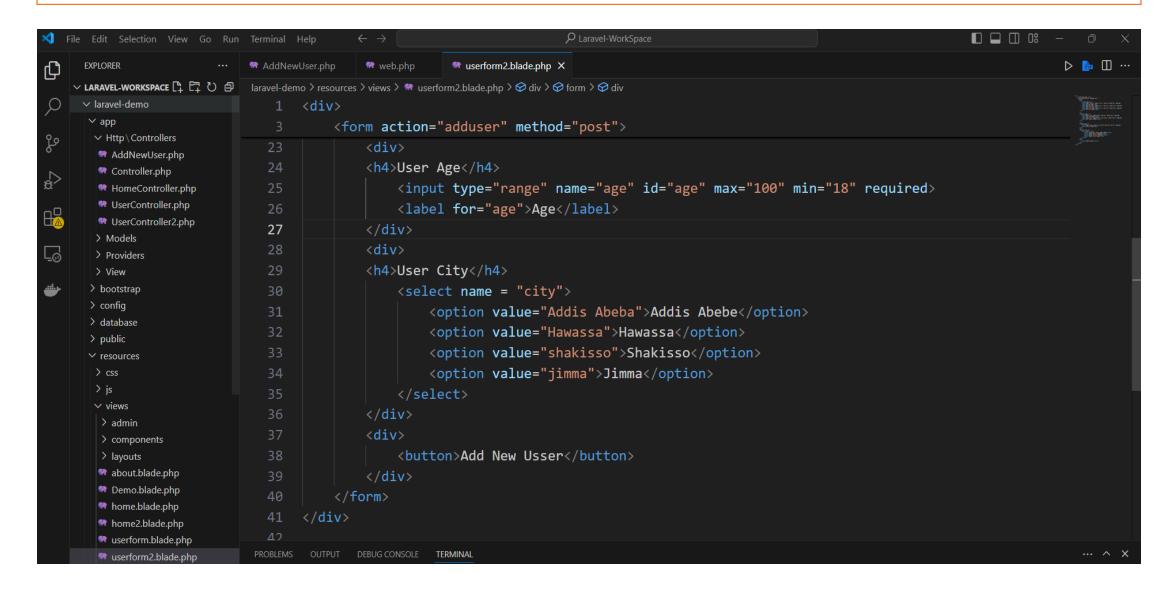
                                           <h1>User Form Part 2</h1>

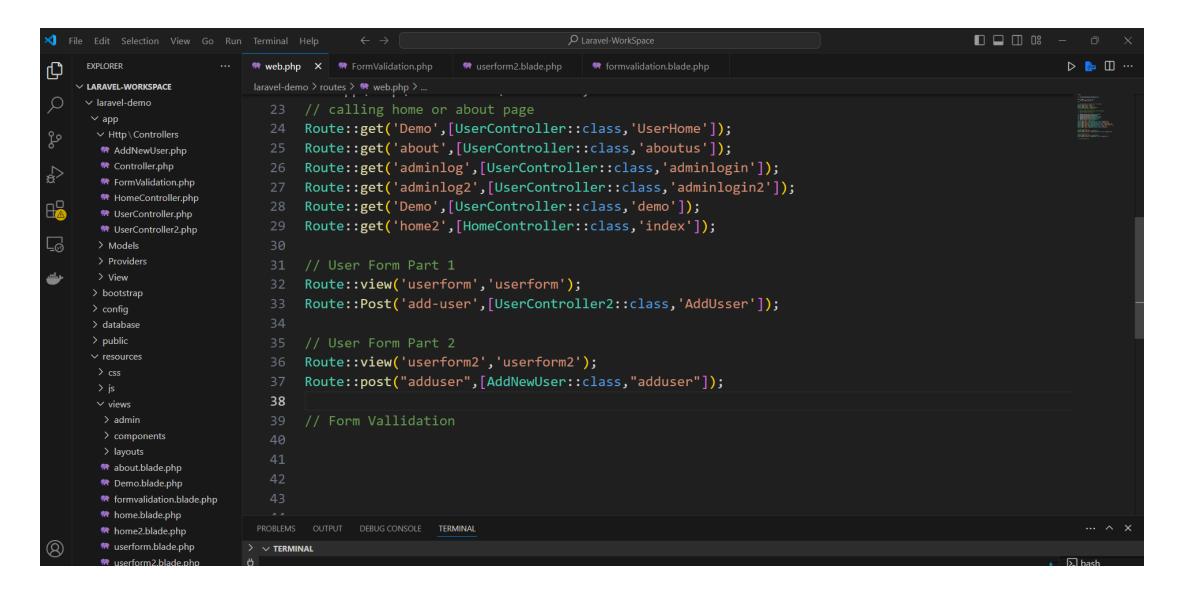
∨ Http \ Controllers

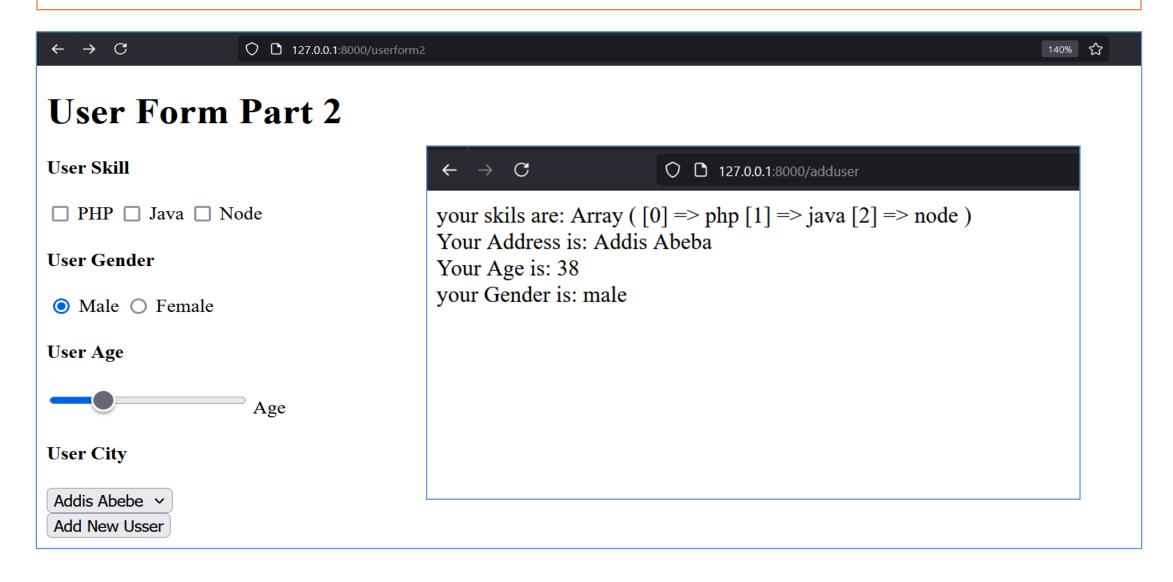
                                           <form action="adduser" method="post">
        AddNewUser.php
                                                @csrf
        Controller.php
                                                <div>
        HomeController.php
        UserController.php
                                                     <h4>User Skill</h4>
        UserController2.php
                                                     <input type="checkbox" name="skill[]" id="php" value="php" required>
       > Models
                                                     <label for="php">PHP</label>
       > Providers
                                                     <input type="checkbox" name="skill[]" id="java" value="java" required>
       > View
                                                     <label for="java">Java</label>
      > bootstrap
      > config
                                                     <input type="checkbox" name="skill[]" id="node" value="node" required>
      > database
                                                     <label for="node">Node</label>
      > public
                                                </div>
      resources
       > css
       > js
                                                <div>

∨ views

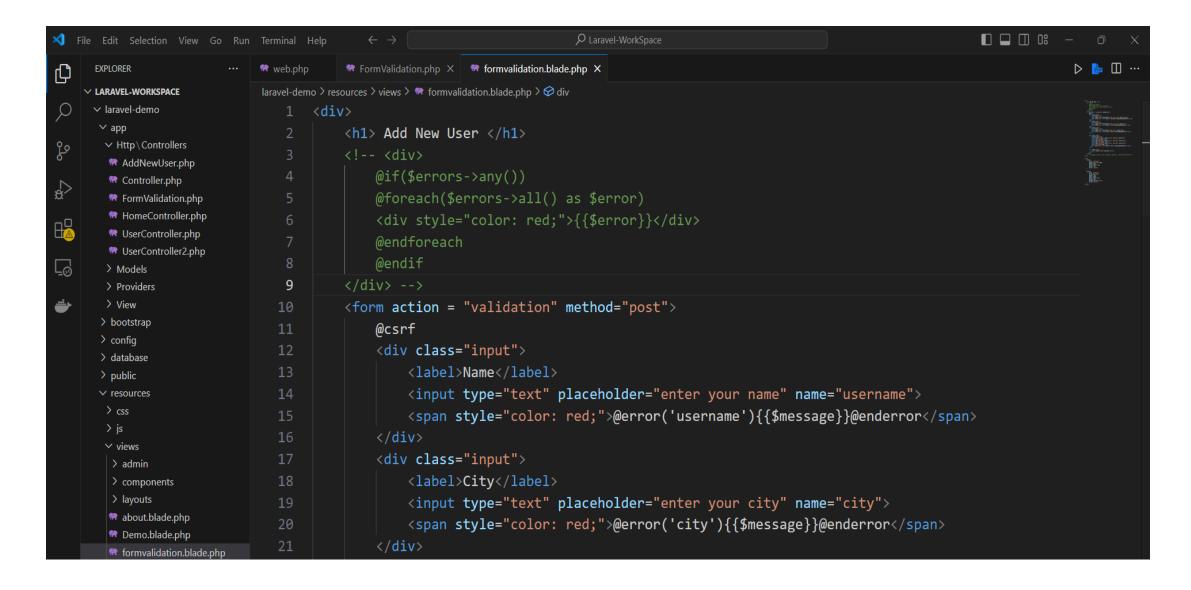
                                                <h4>User Gender</h4>
        > admin
                                                     <input type="radio" name="gender" id="male" value="male" required>
                                 17
        > components
                                                     <label for="male">Male</label>
        > layouts
        about.blade.php
                                                     <input type="radio" name="gender" id="female" value="female" required>
        m Demo.blade.php
                                                     <label for="female">Female</label>
        nome.blade.php
                                                </div>
        nome2.blade.php
        userform.blade.php
                               PROBLEMS
                                                          TERMINAL
                                                                                                                                                            ... ^ X
        userform2.blade.php
```







Form Validation



```
D Laravel-WorkSpace
                                                                                                                                                                                   D 📴 🔲 ...
                                      RormValidation.php
                                                         m formvalidation.blade.php X
                          laravel-demo > resources > views > ♥ formvalidation.blade.php > ❤ style > ❤ input

∨ LARAVEL-WORKSPACE

✓ laravel-demo

✓ app

                                      <form action = "validation" method="post">

∨ Http\Controllers

                                           <div class="input">
   AddNewUser.php
                                               <label>Email</label>
   Controller.php
   ** FormValidation.php
                                               <input type="text" placeholder="enter email" name="email">
   HomeController.php
                                               <span style="color: red;">@error('email'){{$message}}@enderror</span>
   UserController.php
                                          </div>
   UserController2.php
   > Models
   > Providers
                                           <div class="input">
  > View
                                               <h4>User Skill</h4>
  > bootstrap
                                               <input type="checkbox" name="skill[]" id="php" value="php">
  > config
                                               <label for="php">PHP</label>
  > database
                                               <input type="checkbox" name="skill[]" id="java" value="java">
  > public
  resources
                                               <label for="java">Java</label>
   > css
                                               <input type="checkbox" name="skill[]" id="node" value="node">
   > js
                                               <label for="node">Node</label>

∨ views

                                               <span style="color: red;">@error('skill'){{$message}}@enderror</span>
   > admin
   > components
   > layouts
   about.blade.php
                                           <div class="input">
   The Demo.blade.php
                                                <button class="button">Add User
   formvalidation.blade.php
   nome.blade.php
                                           </div>
   nome2.blade.php
                                      </form>
   userform.blade.php
                                      <!-- The biggest battle is the war against ignorance. - Mustafa Kemal Atatürk -->
   m userform2.blade.php
                            44 </div>
```

```
∠ Laravel-WorkSpace

                                                                    m formvalidation.blade.php X
      EXPLORER
                                  make web.php × make FormValidation.php

∨ LARAVEL-WORKSPACE

                                  laravel-demo > resources > views > ♥ formvalidation.blade.php > ...

✓ laravel-demo

                                    46 <style>

✓ app

                                               input{

✓ Http\Controllers

        AddNewUser.php
                                                     color: orangered;
        Controller.php
                                                    border:1px solid orage;
         FormValidation.php
                                                    height: 30px;
         M HomeController.php
                                                    border-radius: 2px;
        W UserController.php
        UserController2.php
                                                    margin: 3px;
> Models
                                                    cursor: pointer;
        > Providers
        > View
       > bootstrap
                                               button{
       > config
       database
                                                    color: orangered;
       > public
                                                    border:1px solid;

✓ resources

                                                    height: 30px;
        > css
                                                    width: 150px;
        > is
                                                    border-radius: 2px;

∨ views

        > admin
                                                    margin: 3px;
         > components
                                                    background-color: aqua;
         > layouts
                                                    cursor: pointer;
         about.blade.php
        m Demo.blade.php
         formvalidation.blade.php
                                          </style>
         nome.blade.php
         nome2.blade.php
                                     68
         nuserform.blade.php
         m userform2.blade.php
```

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

∠ Laravel-WorkSpace

                                                                                                                ★ web.php X
★ FormValidation.php X
★ formvalidation.blade.php
                       EXPLORER
                                                                                                                 laravel-demo > app > Http > Controllers > ♠ FormValidation.php > ...

∨ LARAVEL-WORKSPACE

∨ laravel-demo

                                                                                                                                            <?php
                          ∨ app
  وړ

∨ Http\Controllers

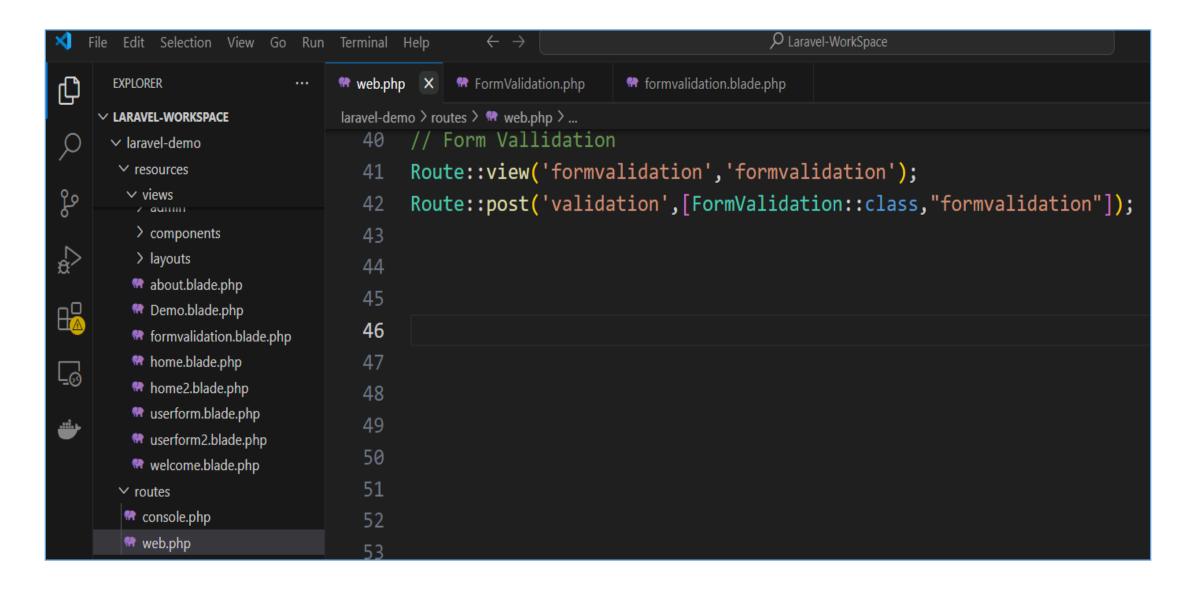
                                                                                                                                            namespace App\Http\Controllers;
                             AddNewUser.php
                             Controller.php
                                                                                                                                            use Illuminate\Http\Request;
                             Representation of the second s
                             ♣ HomeController.php
W UserController.php
                                                                                                                                            class FormValidation extends Controller
                             W UserController2.php
> Models
                                                                                                                                                             function formvalidation(Request $request){
                           > Providers
                            > View
                                                                                                                                                                               $request->validate(['username'=>'required | min:3 |max:15',
                         > bootstrap
                                                                                                                                                                                                                                                                     'city' => 'required | min:3 | max:15',
                                                                                                                         11
                         > config
                                                                                                                                                                                                                                                                      'email' => 'required | email',
                                                                                                                         12
                          > database
                                                                                                                                                                                                                                                                      'skill' => 'required'
                                                                                                                         13
                         > public

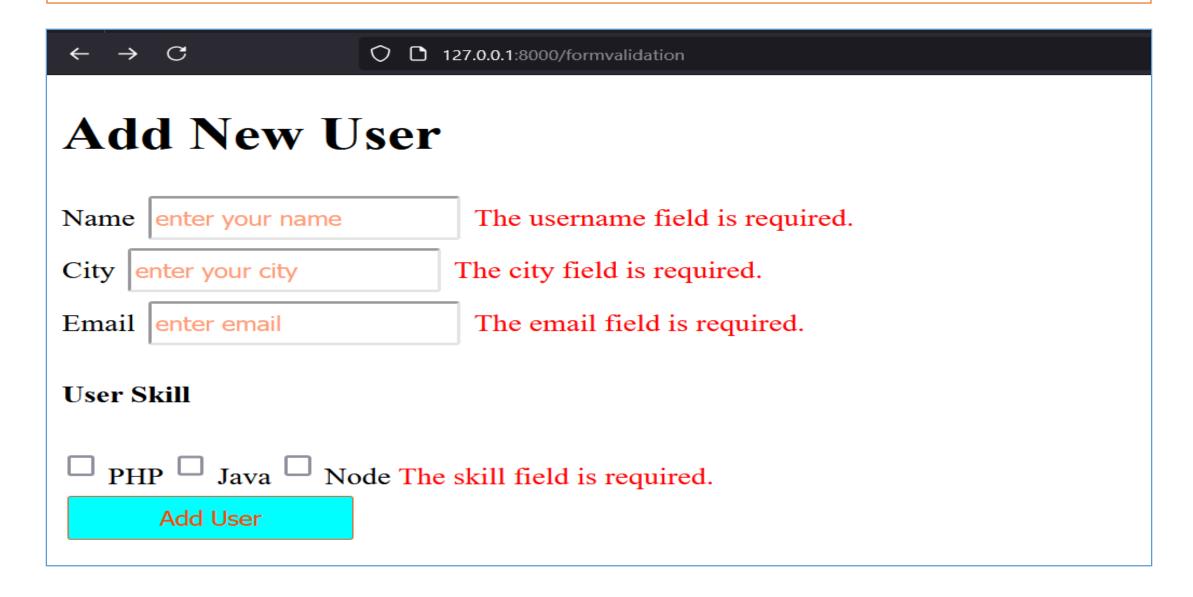
∨ resources

                            > css
                                                                                                                         15
                                                                                                                                                             1);
                            > js
                                                                                                                                                             return $request;

✓ views

                                                                                                                         17
                               > admin
                                                                                                                         18
                              > components
                              > layouts
```





Custom Validation Message

```
D Laravel-WorkSpace
                                                                                                                                                                       EXPLORER
                                         FormValidation.php
                                                           m formvalidation.blade.php X
                           laravel-demo > resources > views > ♠ formvalidation.blade.php > ♦ style > ♦ input-error

✓ LARAVEL-WORKSPACE

✓ laravel-demo

                                                                                                                                         > city
                                                                                                                                                             Aa <u>ab</u> * ? of 6
                                                                                                                                                                             \wedge \downarrow = \times
  ∨ app
  > View
                                        <h1> Add New User </h1>
  > bootstrap
                                            @if($errors->any())
  ✓ lang\en
                                            @foreach($errors->all() as $error)
   auth.php
                                            <div style="color: red;">{{$error}}</div>
   💏 pagination.php
                                            @endforeach
   passwords.php
   * validation.php
                                             @endif
  > public

✓ resources

                                        <form action = "validation" method="post">
   > css
                                             @csrf
   > js

✓ views

                                             <div class="input">
    > admin
                                                  <label>Name</label>
    > components
                                                  <input type="text" placeholder="enter your name" name="username" value="{{old('username')}}}"</pre>
    > layouts
                                                  class="{{$errors->first('username')?'input-error':''}}">
    mabout.blade.php
                                                  <span style="color: red;">@error('username'){{$message}}@enderror</span>
    Temo.blade.php
    formvalidation.blade.php
                                            </div>
    nome.blade.php
                                             <div class="input">
    nome2.blade.php
                                                  <label>City</label>
    userform.blade.php
                                                  <input type="text" placeholder="enter your city" name="city" value="{{old('city')}}"</pre>
    userform2.blade.php
    welcome.blade.php
                                                  class="{{$errors->first('city')?'input-error':''}}">

✓ routes

                                                  <span style="color: red;">@error('city'){{$message}}@enderror</span>
   ensole.php
                                             </div>
   m web.php
```

```
D Laravel-WorkSpace
                                       ** FormValidation.php × ** formvalidation.blade.php X
                                                                                                                                                                                      D 📴 🖽 ...
                           laravel-demo > resources > views > ♥ formvalidation.blade.php > ♦ style > ♦ .input-error
∨ LARAVEL-WORKSPACE

✓ laravel-demo

                                                                                                                                     > city
                                                                                                                                                        Aa <u>ab</u> * ? of 6

✓ app

                                       <form action = "validation" method="post">
  > View
                                           <div class="input">
  > bootstrap
  > config
                                                <label>Email</label>
  > database
                                                <input type="text" placeholder="enter email" name="email" value="{{old('email')}}"</pre>
  ✓ lang\en
                                                class="{{$errors->first('email')?'input-error':''}}">
  e auth.php
                                                <span style="color: red;">@error('email'){{$message}}@enderror</span>
   m pagination.php
  m passwords.php
   validation.php
  > public
                                           <div class="input">

✓ resources

                                                <h4>User Skill</h4>
   > css
                                                <input type="checkbox" name="skill[]" id="php" value="php">
   > js

∨ views

                                                <label for="php">PHP</label>
   > admin
                                                <input type="checkbox" name="skill[]" id="java" value="java">
   > components
                                                <label for="java">Java</label>
   > layouts
                                                <input type="checkbox" name="skill[]" id="node" value="node">
   about.blade.php
   The Demo.blade.php
                                                <label for="node">Node</label>
   formvalidation.blade.php
                                                <span style="color: red;">@error('skill'){{$message}}@enderror</span>
   nome.blade.php
   nome2.blade.php
   userform.blade.php
                                           <div class="input">
   userform2.blade.php
   m welcome.blade.php
                                                <button class="button">Add User</button>

✓ routes

  ensole.php
                                       </form>
   💏 web.php
                                       <!-- The biggest battle is the war against ignorance. - Mustafa Kemal Atatürk -->
  > storage
  > tests
```

```
∠ Laravel-WorkSpace

                                                              ➡ formvalidation.blade.php X
 EXPLORER
                                           ❤ FormValidation.php
                            💝 web.php

∨ LARAVEL-WORKSPACE

                             laravel-demo > resources > views > ♥ formvalidation.blade.php > ...

✓ laravel-demo

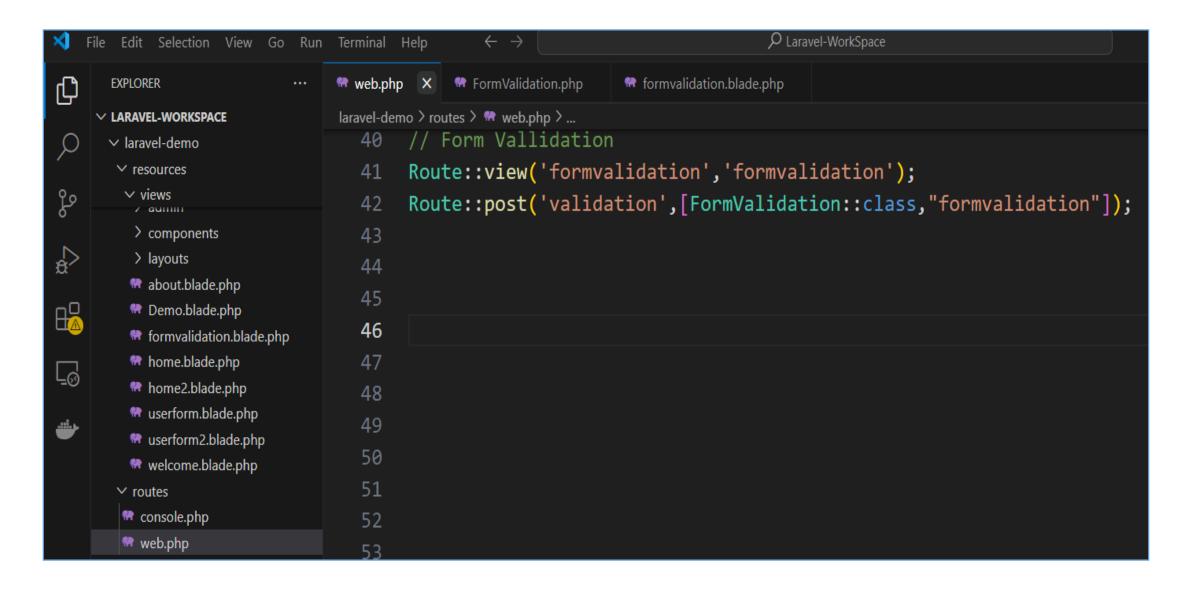
                                                                                                                                                                    Aa <u>ab</u> * ? of 6 ↑ ↓ = ×
                               49 <style>
  ∨ app
                                          input{
   > View
                                               color: orangered;
  > bootstrap
  > config
                                               border:1px solid orage;
  > database
                                               height: 30px;
  ∨ lang\en
                                               border-radius: 2px;
   m auth.php
                                               margin: 3px;
   📅 pagination.php
   m passwords.php
                                               cursor: pointer;
   nalidation.php
  > public
  resources
                                          button{
   > css
                                               color: orangered;
   > js

✓ views

                                               border:1px solid;
    > admin
                                               height: 30px;
    > components
                                               width: 150px;
    > layouts
                                               border-radius: 2px;
    about.blade.php
    m Demo.blade.php
                                               margin: 3px;
    formvalidation.blade.php
                                               background-color: aqua;
    nome.blade.php
                                               cursor: pointer;
    nome2.blade.php
    userform.blade.php
                                          .input-error{
    userform2.blade.php
    m welcome.blade.php
                                               border: 1px solid;

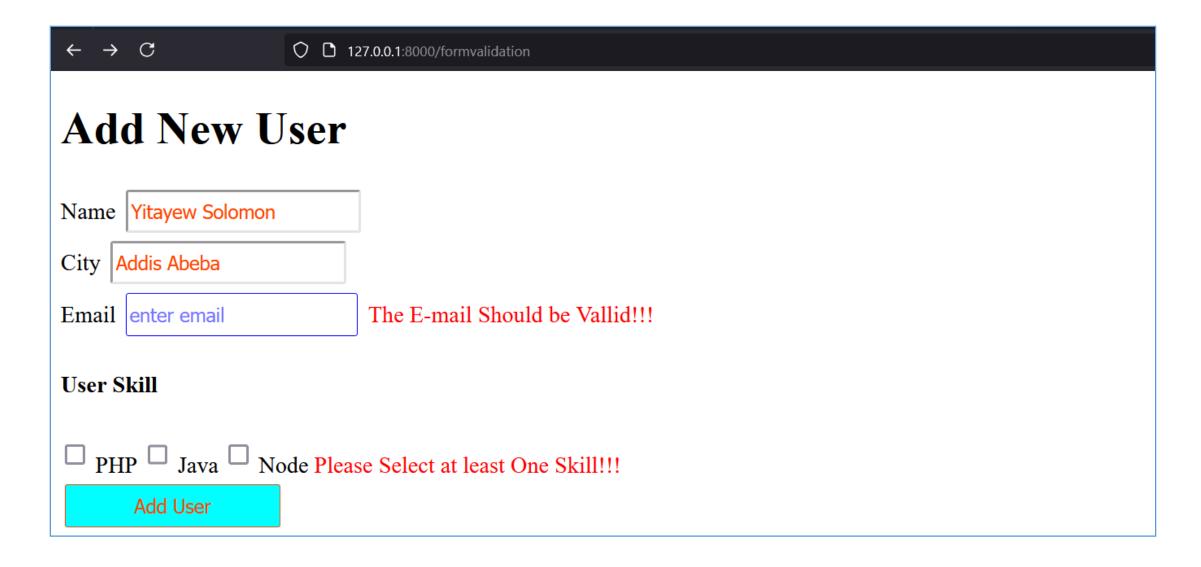
✓ routes

                                               color: blue;
   console.php
   m web.php
                               73 </style>
  > storage
```





User Data Are Saved



Make Own Validation

• In Laravel, you can create custom validation rules to handle scenarios that are not covered by the **default validation rules**. This involves creating a **custom validation class** or using **closures** in your validation logic.

```
X File Edit Selection View Go Run Terminal Help
                                                                ♥ UpperCaseRule.php X
♠ formvalidation.blade.php
      EXPLORER
                                make web.php × make FormValidation.php

✓ LARAVEL-WORKSPACE

                                laravel-demo > app > Rules > ♥ UpperCaseRule.php > ...

✓ laravel-demo

                                                                                                                                                                   Aa ab a* No results ↑ ↓ = ×

✓ app

                                    1 <?php

→ Http\Controllers

        AddNewUser.php
        Controller.php
                                        namespace App\Rules;
        FormValidation.php
        M HomeController.php
                                       use Closure;
        W UserController.php
                                       use Illuminate\Contracts\Validation\ValidationRule;
        UserController2.php
       > Models
       > Providers
                                        class UpperCaseRule implements ValidationRule

✓ Rules

        W UpperCaseRule.php
       > View
                                              * Run the validation rule.
      > bootstrap
       > config
      > database
                                              * @param \Closure(string, ?string=): \Illuminate\Translation\PotentiallyTranslatedString $fail
       ✓ lang\en
       mauth.php
                                             public function validate(string $attribute, mixed $value, Closure $fail): void
       💏 pagination.php
       💏 passwords.php
       m validation.php
                                                 //Setting validation Rule
      > public
                                                 if(strtoupper($value)!=$value){

✓ resources

                                                      $fail('The :attribute must be in uppercase');
       > css
       > is

✓ views

        > admin
        > components
```

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

∠ Laravel-WorkSpace

     EXPLORER
                                             ♣ FormValidation.php X
♠ UpperCaseRule.php
                                                                                   formvalidation.blade.php
    ∨ LARAVEL-WORKSPACE
                               laravel-demo > app > Http > Controllers > ♥ FormValidation.php > ...

✓ laravel-demo

                                                                                                                                                                 Aa <u>ab</u> * 4 of 4
                                                                                                                                                                                \wedge \vee =

✓ app

                                   1 <?php

→ Http\Controllers

                                   2 namespace App\Http\Controllers;
        * AddNewUser.php
                                       use Illuminate\Http\Request;
        Controller.php
        ** FormValidation.php
                                       class FormValidation extends Controller
        HomeController.php
        W UserController.php
                                            function formvalidation(Request $request){
        UserController2.php
                                                 $request->validate(
       > Models
       > Providers
                                                      // Default Message

✓ Rules

                                                      ['username'=>'required | min:3 |max:15',
        UpperCaseRule.php
                                                                          'city' => 'required | min:3 |max:15 |uppercase',
       > View
                                                                          'email' => 'required | email',
      > bootstrap
      > config
                                                                         'skill' => 'required'
      > database
      ✓ lang\en
       auth.php
                                            // Custome Message
       📅 pagination.php
       m passwords.php
       nalidation.php
                                                  'username.required'=>'User Field can Not Be Empty!!!',
      > public
                                                 'username.min'=>'Should be a Minimum of 3 Character',
      resources
                                                 'username.max'=>'Maximum Character Should be 15!!!',
       > css
                                                  'city.required'=>'Address can Not Be Empty!!!',
       > is

✓ views

                                                 'email.required'=>'The E-mail Should be Vallid!!!',
        > admin
                                                  'skill.required'=>'Please Select at least One Skill!!!',
        > components
                                                  'city.uppercase'=>'City should be in upper case only'
        > layouts
                                            1);
        about.blade.php
                                            return $request;
        The Demo.blade.php
        formvalidation.blade.php
        nome.blade.php
        nome2.blade.php
```

\leftarrow \rightarrow $^{\circ}$	○
Add New User	
Name yitayew	
City yit	City should be in upper case only
Email enter email	The E-mail Should be Vallid!!!
User Skill	
PHP Java Node Please Select at least One Skill!!!	
Add User	

URL Generation

- In Laravel, URL generation is a core feature that allows you to create URLs dynamically within your application, making it easier to manage links and routes.
- Laravel provides several **helper functions** and **methods** to generate URLs.

Creating Views

```
PROBLEMS
        OUTPUT
                 DEBUG CONSOLE
                               TERMINAL
∨ TERMINAL
  yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo
$ php artisan make:view url1
    INFO View [C:\Users\yitayew\Desktop\Laravel-WorkSpace\laravel-demo\resources\views\url1.blade.php] created successfully.
  yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo
$ php artisan make:view url2
    INFO View [C:\Users\yitayew\Desktop\Laravel-WorkSpace\laravel-demo\resources\views\url2.blade.php] created successfully.
  yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo
```

```
m url2.blade.php X
🖬 web.php X 😭 url1.blade.php X 😭 url2.blade.php
                                                             laravel-demo > resources > views > ♥ url2.blade.php > ♥ div > ♥ a
laravel-demo > resources > views > \ url1.blade.php > ...
                                                                    <div>
                                                                         <!-- Do what you can, with what you have,
   1 <div>
                                                                          <h1>URL2 Example</h1>
           <!-- Do what you can, with what you have,
                                                                          <!-- Accessesing Current URL -->
            <h1>URL one Example</h1>
                                                                          <h3>{{URL::current()}}</h3>
                                                                          <!-- full URL -->
                                                                           <h3>{{URL::full()}}</h3>
            <!-- For Checking Last URL -->
                                                                           <!-- Alternative Method Same Output-->
            <a href="url2">url2</a>
                                                                            <h3>{{url()->current()}}</h3>
                                                                10
            Last URL ----> {{URL::previous()}}
                                                                11
                                                                            <h3>{{url()->full()}}</h3>
                                                                12
       </div>
                                                                13
                                                                              <!-- For checking Last URL -->
                                                                            <a href="url1">url1</a>
        44 // URL Generation Example
                                                                            Last URL ----> {{URL::previous()}}
           Route::view('url1','url1');
  10
                                                                     </div>
        46 Route::view('userurl1','url1');
        47 Route::view('url2','url2');
```



URL2 Example

http://localhost:8000/url2

http://localhost:8000/url2?name=yitayew

http://localhost:8000/url2

http://localhost:8000/url2?name=yitayew

url1 Last URL ----> http://localhost:8000/url2



Named Route in Laravel

- A named route in Laravel is a route with a **specific name assigned** to it. Named routes allow you to reference the route by its **name** rather than by its URL path, which makes your code more flexible and easier to maintain.
- Instead of hardcoding URLs throughout your application, you can use named routes to generate URLs or redirects by referring to the route name.

Why Use Named Routes?

- *Maintainability: If the URL of a route changes, you only need to update the route definition instead of updating every instance of the URL in your application.
- *Readability: Named routes make it easier to understand the purpose of a route.
- **Flexibility**: Named routes support generating URLs, handling redirects, and passing parameters dynamically.

Defining Named Route

Defining Named Routes To define a named route in Laravel, use the name method on the route definition. **Example** Copy code php Route::get('/user/profile', [UserController::class, 'showProfile'])->name('profile'); In this example: • The route '/user/profile' is named profile. • You can now reference this route anywhere in your application by the name profile instead of the full URL path.

Using Named Routes with Parameters

If a route requires parameters, you can pass them as an associative array in the route() helper.

Example

```
Route::get('/user/{id}/profile', [UserController::class, 'showProfile'])->name('profile');

// Generating URL with a parameter

$url = route('profile', ['id' => 1]); // Output: /user/1/profile
```

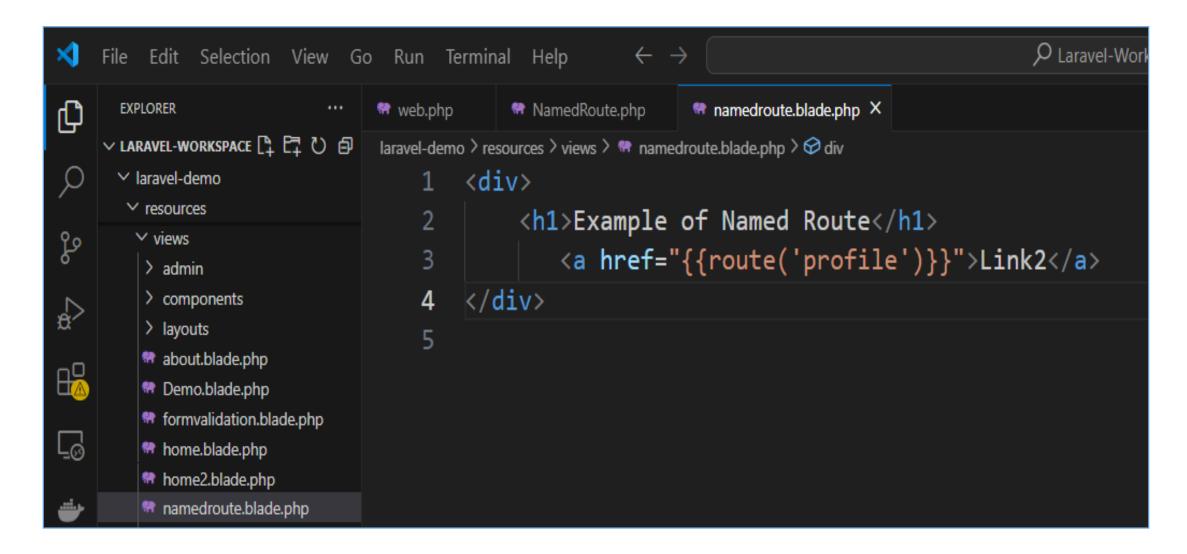
Using Named Routes in Blade Templates

In Blade templates, you can use named routes for links or form actions.

```
blade

<a href="{{ route('profile') }}">Profile</a>
```

Example



```
File Edit Selection View Go Run Terminal Help

∠ Laravel-WorkSpace

      EXPLORER
                                make web.php X makedRoute.php
                                                               namedroute.blade.php

∨ LARAVEL-WORKSPACE

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

✓ laravel-demo

                                        // Named Route Route Defnition (View)
       resources
                                        Route::view('home/user/profile', 'namedroute')->name('profile');
وړ

✓ views

                                        // Named Route Route Defnition (Controller)
        > admin
        > components
                                        use App\Http\Controllers\NamedRoute;
        > layouts
                                        Route::get('show',[NamedRoute::class,'show']);
        about.blade.php
54
        Demo.blade.php
        formvalidation.blade.php
                                   55
nome.blade.php
                                   56
        nome2.blade.php
                                   57
        namedroute.blade.php
        url1.blade.php
                                   58
        url2.blade.php
                                   59
        m userform.blade.php
                                   60
        userform2.blade.php
                                   61
        m welcome.blade.php

✓ routes

                                   62
       console.php
                                   63
       meb.php
```

```
∠ Laravel-WorkSpace

    File Edit Selection View Go Run Terminal Help
                                             RamedRoute.php X namedroute.blade.php
      EXPLORER
                                🐄 web.php
                                laravel-demo > app > Http > Controllers > ♥ NamedRoute.php > ...

∨ LARAVEL-WORKSPACE

✓ laravel-demo

                                         <?php

✓ app
مړ

✓ Http\Controllers

                                         namespace App\Http\Controllers;
        AddNewUser.php
        Controller.php
        TormValidation.php
                                         use Illuminate\Http\Request;
        HomeController.php
use Illuminate\Support\Facades\Redirect;
        RamedRoute.php
        W UserController.php
UserController2.php
                                         class NamedRoute extends Controller
       > Models
        > Providers
                                   10
        > Rules
       > View
                                   11
                                              function show(){
       > bootstrap
                                                    // echo "Named Route Test";
                                   12
       > config
                                                   return redirect()->to('home/user/profile');
                                   13
       > database
       > lang
                                   14
       > public
                                   15
      resources
                                   16
       > css
```





O localhost:8000/home/user/profile

Link2

 $\leftarrow \rightarrow C$

Route Group with a Prefix

- In Laravel, a route group with a prefix allows you to apply a common URL prefix to multiple routes, **simplifying route management**.
- This is useful for **organizing routes** with similar structures, such as routes for the admin panel, API, or user profile sections.

Example

Let's say we want to group all routes related to the "admin" section under the /admin prefix.

```
copy code

// routes/web.php

Route::prefix('admin')->group(function () {
    Route::get('/dashboard', [AdminController::class, 'dashboard'])->name('admin.dashboard Route::get('/users', [AdminController::class, 'users'])->name('admin.users');
    Route::get('/settings', [AdminController::class, 'settings'])->name('admin.settings');
});
```

In this example:

- The routes /admin/dashboard , /admin/users , and /admin/settings will be created.
- Each route has a name prefixed with admin. (e.g., admin.dashboard), making it easier to manage within the application.

Example

```
OUTPUT DEBUG CONSOLE
PROBLEMS
                               TERMINAL
∨ TERMINAL
  yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo
$ php artisan make:view groupprefix
    INFO View [C:\Users\yitayew\Desktop\Laravel-WorkSpace\laravel-demo\resources\views\groupprefix.blade.php] created successfully.
  yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo
$ php artisan make:controller GroupPrefix
    INFO Controller [C:\Users\yitayew\Desktop\Laravel-WorkSpace\laravel-demo\app\Http\Controllers\GroupPrefix.php] created successfully.
  yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo
 ୍ର$ 🛮
```

```
∠ Laravel-WorkSpace

                                                                                                                                                                                ▶ <a>□</a> ···
                                      ∨ LARAVEL-WORKSPACE [1. 17] 🗗 🖸 🗗 laravel-demo > app > Http > Controllers > 🦬 GroupPrefix.php > ધ GroupPrefix > 🕅 add

✓ laravel-demo

                                 <?php

✓ app

→ Http\Controllers

                                 namespace App\Http\Controllers;
   AddNewUser.php
   Controller.php
   ** FormValidation.php
                             5 use Illuminate\Http\Request;
   GroupPrefix.php
   ** HomeController.php
                                 class GroupPrefix extends Controller
   MamedRoute.php
   W UserController.php
   UserController2.php
  > Models
                                       function show(){
   > Providers
   > Rules
                                            echo "show student list";
                            11
  > View
  > bootstrap
                                       function add(){
  config
  > database
  lang
                                            return "Students are added to the list";
  > public
                            16

✓ resources

                                                                                                                                 🦛 groupprefix.blade.php 🗶
                                                                                            💏 web.php
                                                                                                            GroupPrefix.php
   > css
   > js
                                                                                            laravel-demo > resources > views > ♥ groupprefix.blade.php > ...

∨ views

                                                                                                    <div>
   > admin
                                                                                                             <!-- Well begun is half done. - Aristotle -->
   > components
   > layouts
                                                                                                              <h1>Route Grouping With Prefix</h1>
   nabout.blade.php
   M Demo.blade.php
                                                                                                 4 </div>
   m formvalidation.blade.php
                          PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
   m groupprefix.blade.php
```

```
∠ Laravel-WorkSpace

   File Edit Selection View Go Run Terminal Help
     EXPLORER

    ★ web.php X  
    ★ GroupPrefix.php

                                                          😭 groupprefix.blade.php
                             laravel-demo > routes > ♥ web.php > ♥ Closure

∨ LARAVEL-WORKSPACE

     laravel-demo
                                55 // Route Grouping Using Prefix (View)
      resources
                                     Route::view('student/grouping','groupprefix');
g

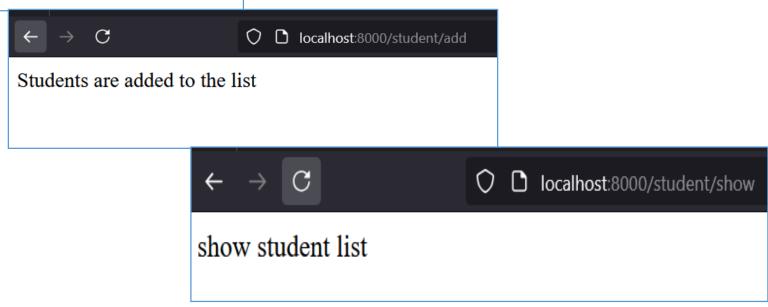
✓ views

                                    // Route Grouping Using Prefix (Controller)
       > components
       > layouts
                                     use App\Http\Controllers\GroupPrefix;
        about.blade.php
                                     Route::get('student/show',[GroupPrefix::class,'show']);
       The Demo.blade.php
                                     Route::get('student/add',[GroupPrefix::class,'add']);
       formvalidation.blade.php
       m groupprefix.blade.php
                                61
nome.blade.php
                                     // Creating Group Route Using Prefix
       nome2.blade.php
                                      Route::prefix('student')->group(function(){
       namedroute.blade.php
       mulliblade.php
                                64
                                           Route::view('/grouping','groupprefix');
       murl2.blade.php
                                65
                                           Route::get('/show',[GroupPrefix::class,'show']);
       userform.blade.php
                                66
                                           Route::get('/add',[GroupPrefix::class,'add']);
       userform2.blade.php
       welcome.blade.php
                                67
                                    });

✓ routes

                                68
      console.php
                                69
       m web.php
```





Route Group With Controller

- In Laravel, you can create route groups with a common controller to streamline routing for multiple methods within the same controller. This is especially useful when multiple actions in a controller share a common path or prefix.
- ❖ Defining a Route Group with a Controller: To define a route group with a controller, use the controller method within a route group. This method assigns the specified controller to all routes in the group, simplifying the code and reducing redundancy.

Example

Example

Suppose you have a UserController handling actions like showing a profile, updating user information, and deleting a user. You can set up a route group with a controller to handle these actions:

```
Copy code
php
// routes/web.php
use App\Http\Controllers\UserController;
Route::controller(UserController::class)->group(function () {
    Route::get('/profile', 'showProfile')->name('user.profile');
    Route::post('/update', 'updateProfile')->name('user.update');
    Route::delete('/delete', 'deleteUser')->name('user.delete');
});
```

```
▷ <a>□</a> <a>□</a> <a>…</a>
                       ··· 💝 web.php
                                          StudentController.php X
                             laravel-demo > app > Http > Controllers > ♥ StudentController.php > ...

∨ LARAVEL-WORKSPACE

✓ laravel-demo

                                 1 <?php

✓ app

                                     namespace App\Http\Controllers;

→ Http\Controllers

                                 3 use Illuminate\Http\Request;
   AddNewUser.php
   Controller.php
    FormValidation.php
                                     class StudentController extends Controller
   # GroupPrefix.php
   HomeController.php
   MamedRoute.php
   StudentController.php
                                           function show(){
   W UserController.php
                                                 return "Student List are added!!";
   W UserController2.php
   > Models
   > Providers
                                           function add(){
   > Rules
                                                 return "Students are added!!";
                               12
   > View\Components
  > bootstrap
  config
                                           function delete(){
  > database
                                                 return "Students are deleted!!";
  > lang
  > public
  > resources
                                           function about($name){
  > routes
                                                 return "Your Name is: ".$name;
  > storage
  > tests
  > vendor
  .editorconfig
 🦈 .env
                                                                                                                                                                                                        ... ^ X
                             PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
  $ .env.example
                           > V TERMINAL
  gitattributes
                              yitayew@DESKTOP-NPGGF04 MINGW64 ~/Desktop/Laravel-WorkSpace/laravel-demo
                                                                                                                                                                                                     ≥ bash
  gitignore
                              • $ php artisan make:controller StudentController
                                                                                                                                                                                                     ≥ bash
  ■ artisan
                                                                                                                                                                                                     ≥ bash
                                  INFO Controller [C:\Users\yitayew\Desktop\Laravel-WorkSpace\laravel-demo\app\Http\Controllers\StudentController.php] created successfully.
 {} composer.json
```

```
D Laravel-WorkSpace
     EXPLORER
                            m web.php X m StudentController.php
                            laravel-demo > routes > ♥ web.php > ...

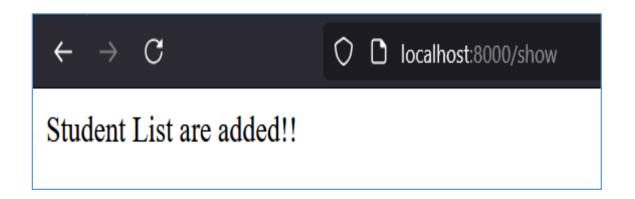
∨ LARAVEL-WORKSPACE

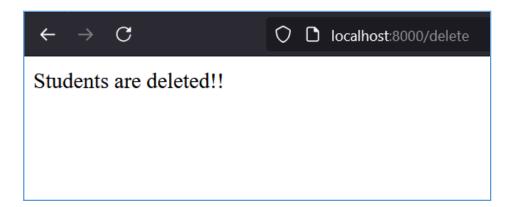
✓ laravel-demo

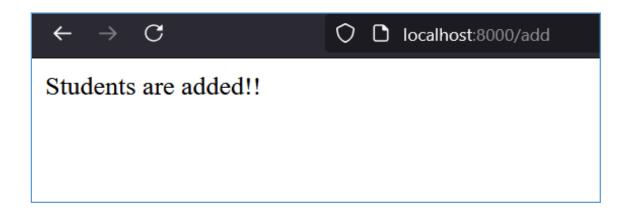
                                   // Creating Group Route Using Controller
                                    use App\Http\Controllers\StudentController;

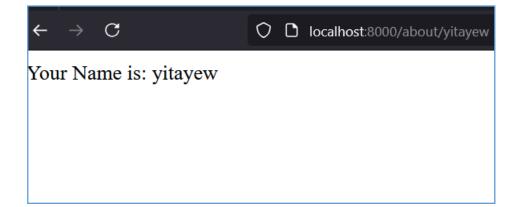
∨ Http\Controllers

                                    Route::get('show',[StudentController::class,'show']);
       AddNewUser.php
       Controller.php
                                    Route::get('add',[StudentController::class,'add']);
       FormValidation.php
                                    Route::get('delete',[StudentController::class,'delete']);
       GroupPrefix.php
                                    Route::get('about/{name}',[StudentController::class,'about']); // Dynamic Route
       HomeController.php
       NamedRoute.php
                               75
StudentController.php
                                    // Grouping Routes Using Controllers
       W UserController.php
                                    Route::controller(StudentController::class)->group(function(){
       W UserController2.php
       > Models
                               78
                                         Route::get('show', 'show');
       > Providers
                                        Route::get('add','add');
                               79
       > Rules
                                        Route::get('delete','delete');
       > View
                               81
                                         Route::get('about/{name}','about'); // Dynamic Route
      > bootstrap
      > config
                               82 });
      > database
```









Thank you!

Appreciate your action.