

GENERAL STEPS FOR CUSTOM AUTHENTICATION (PROTECT MY ROUTES 😊)

1. Create (build) middleware.
2. Implementation of middleware
3. Register the middleware
4. Use middleware

EXAMPLE: (THIS EXAMPLE FROM THE REFERENCE WHICH I MENTIONED IT IN THE LAST PAGE)

1. create a middleware named Role using the terminal.

```
php artisan make:middleware Role
```

2. A middleware is created inside **app/Http/Middleware/** with the same name as named above (Role.php)

Note Samer: Assume the user()->role below is property(column) in the table and should be added into the fillable or it will through error

```
public function handle($request, Closure $next)
{
    if(auth()->user()->role == 'Admin'){
        return $next($request);
    }
    return redirect('home')->with('error','انتا مو ادمن ممنوع الدخول وليوو');}
```

3. Update Kernel.php (Register)

```
<?php
protected $routeMiddleware = [
    'auth' => \Illuminate\Auth\Middleware\Authenticate::class,
    'auth.basic' => \Illuminate\Auth\Middleware\AuthenticateWithBasicAuth::class,
    'bindings' => \Illuminate\Routing\Middleware\SubstituteBindings::class,
    'can' => \Illuminate\Auth\Middleware\Authorize::class,
    'guest' => \App\Http\Middleware\RedirectIfAuthenticated::class,
    'throttle' => \Illuminate\Routing\Middleware\ThrottleRequests::class,
    'role' => \App\Http\Middleware\Role::class,
];
?>
```

4. Protect Route (Use middleware)

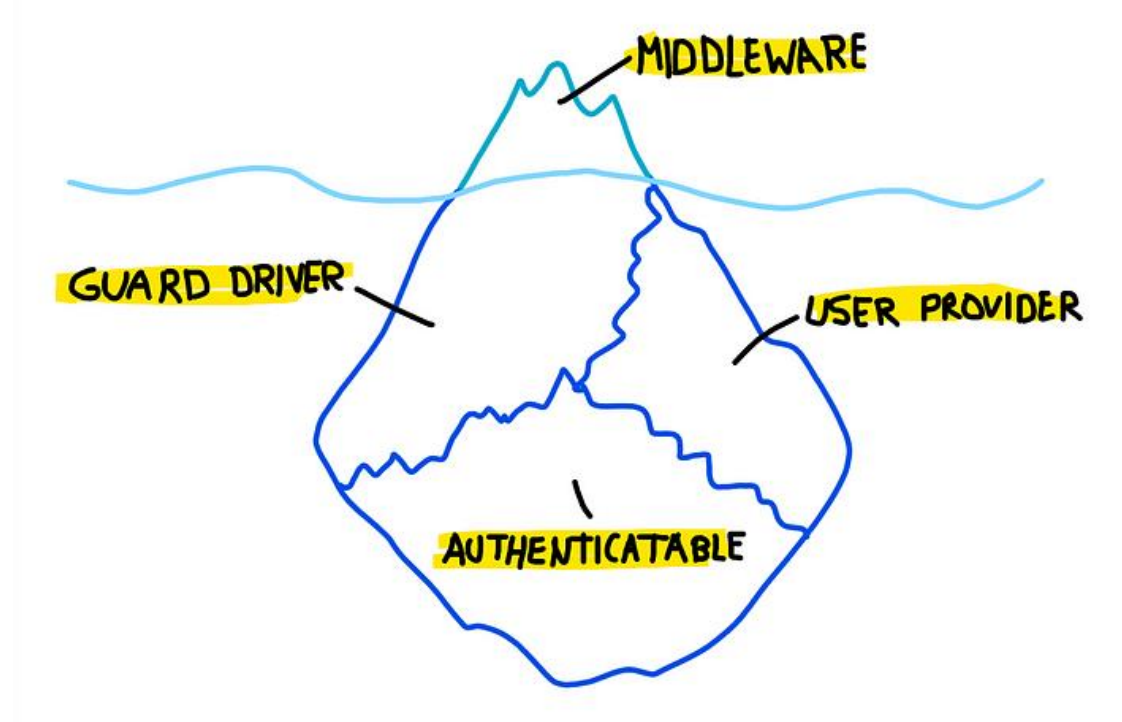
Last step samer is ,open the **web.php** file and add the middleware to any route you want to filter

```
Route::get('register', function () {
```

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```
}) ->middleware('role');
```

STEPS FOR AUTHENTICATION USING CONTROLLER



1. Create a controller
2. Implementation of controller methods
3. Use the middleware
4. register it in the kerneal.php file
5. apply the middleware to controller's constructor
6. Definition of the routes

Note Samer: apply the middleware to controller's constructor. This method is good when we want to use all (or most) the controller methods in the same set of middleware. Or u can directly inject the middleware in the route. (best practice)

EXAMPLE

1. Create a Controller

```
php artisan make:controller AdminController
```

2. Implementation of Controller Methods

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class AdminController extends Controller
{
    public function index()
    {
        return view('admin.index');
    }

    public function create()
    {
        return view('admin.create');
    }

    public function store(Request $request)
    {
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        return redirect()->route('admin.index');
    }
}
```

3. use the middleware

```
php artisan make:middleware Role (in terminal)

<?php

namespace App\Http\Middleware;

use Closure;
use Illuminate\Http\Request;

class Role
{
    public function handle(Request $request, Closure $next)
    {
        if (auth()->user()->role == 'Admin') {
            return $next($request);
        }
        return redirect('home')->with('error', 'انتا مو ادمن ممنوع الدخول وليو,');
    }
}
```

4. register it in the kernel.php file

```
protected $routeMiddleware = [
    'role' => \App\Http\Middleware\Role::class,
];
```

5. apply the middleware to controller's constructor

```
public function __construct()
{
    $this->middleware('role');
```

```
}
```

6. Definition of the Routes in web.php

```
use App\Http\Controllers\AdminController;

Route::get('/admin', [AdminController::class, 'index'])->name('admin.index');

Route::get('/admin/create', [AdminController::class, 'create'])->name('admin.create');

Route::post('/admin/store', [AdminController::class, 'store'])->name('admin.store');
```

Additionally Samer

In Blade template

In blade template we show same error message that i defined in my middleware. When i use the `{with}` method in a redirect

Laravel stores flashed (destroyed) session data in the **SESSION** variable وهون جمال اللار فيل

```
@if (session('error'))
    <div class="alert alert-danger">
        {{ session('error') }}
    </div>
@endif
```

References

[1] [How To Add Custom Authentication Middleware In Laravel? | Discussion Forum | Webtrickshome | Web Design, Development and SEO Forum](#)