Laravel 10 + Breeze ব্যবহার করে **Multiple Authentication (Admin + Customer)** সেটআপ করার জন্য ধাপে ধাপে কাজ করবো।

আমরা নিম্নলিখিত বিষয়গুলো করবো:  
✅ Laravel 10 ইনস্টল  
✅ Breeze Authentication সেটআপ  
✅ Database তৈরি ও Role ফিল্ড যোগ করা  
✅ Middleware তৈরি (Admin + Customer)  
✅ Routes এবং Blade Views সেটআপ  
✅ Postman দিয়ে API টেস্ট

**📌 Step 1: Laravel 10 Project Setup**

প্রথমে Laravel 10 ইন্সটল করুন:

* composer create-project laravel/laravel:^10.0 CarRentalSystem
* cd CarRentalSystem

Breeze ইন্সটল করুন:

* composer require laravel/breeze --dev
* php artisan breeze:install

Frontend স্ক্যাফোল্ডিং তৈরি করুন (Blade ব্যবহারের জন্য):

* php artisan breeze:install blade

Dependency ইনস্টল করুন:

* npm install && npm run dev

**Step 2: Database Setup**

1️⃣ **.env ফাইলে Database কানেকশন কনফিগার করুন:**

* DB\_DATABASE=car\_rental
* DB\_USERNAME=root
* DB\_PASSWORD=

2️⃣ **মাইগ্রেশন রান করুন:**

* php artisan migrate

**📌 Step 3: User Model-এ Role যোগ করুন**

👉 **app/Models/User.php আপডেট করুন:**

namespace App\Models;

use Illuminate\Foundation\Auth\User as Authenticatable;

use Illuminate\Notifications\Notifiable;

class User extends Authenticatable

{

use Notifiable;

protected $fillable = [

'name',

'email',

'password',

'role'

];

protected $hidden = [

'password',

'remember\_token',

];

public function isAdmin()

{

return $this->role === 'admin';

}

public function isCustomer()

{

return $this->role === 'customer';

}

}

**📌 Step 4: Role ফিল্ড যোগ করা (Migration)**

👉 **নতুন মাইগ্রেশন তৈরি করুন:**

php artisan make:migration add\_role\_to\_users\_table --table=users

👉 **মাইগ্রেশন ফাইল (database/migrations/YYYY\_MM\_DD\_add\_role\_to\_users\_table.php) আপডেট করুন:**

use Illuminate\Database\Migrations\Migration;

use Illuminate\Database\Schema\Blueprint;

use Illuminate\Support\Facades\Schema;

return new class extends Migration {

public function up()

{

Schema::table('users', function (Blueprint $table) {

$table->string('role')->default('customer'); // Default role: customer

});

}

public function down(){

Schema::table('users', function (Blueprint $table) {

$table->dropColumn('role');

});

}

};

👉 **মাইগ্রেশন রান করুন:**

* php artisan migrate

**📌 Step 5: Middleware তৈরি করা (Admin & Customer)**

👉 **Admin Middleware তৈরি করুন:**

* php artisan make:middleware AdminMiddleware

👉 **app/Http/Middleware/AdminMiddleware.php আপডেট করুন:**

namespace App\Http\Middleware;

use Closure;

use Illuminate\Http\Request;

use Illuminate\Support\Facades\Auth;

class AdminMiddleware

{

public function handle(Request $request, Closure $next)

{

if (Auth::check() && Auth::user()->isAdmin()) {

return $next($request);

}

return redirect('/')->with('error', 'Unauthorized access!');

}

}

👉 **Customer Middleware তৈরি করুন:**

* php artisan make:middleware CustomerMiddleware

👉 **app/Http/Middleware/CustomerMiddleware.php আপডেট করুন:**

namespace App\Http\Middleware;

use Closure;

use Illuminate\Http\Request;

use Illuminate\Support\Facades\Auth;

class CustomerMiddleware

{

public function handle(Request $request, Closure $next)

{

if (Auth::check() && Auth::user()->isCustomer()) {

return $next($request);

}

return redirect('/')->with('error', 'Unauthorized access!');

}

}

👉 **Middleware রেজিস্ট্রেশন করুন (app/Http/Kernel.php)**

protected $routeMiddleware = [

'admin' => \App\Http\Middleware\AdminMiddleware::class,

'customer' => \App\Http\Middleware\CustomerMiddleware::class,

];

**📌 Step 6: Routes সেটআপ করা (web.php)**

👉 **routes/web.php আপডেট করুন:**

use Illuminate\Support\Facades\Route;

use App\Http\Controllers\Auth\AuthenticatedSessionController;

use App\Http\Controllers\DashboardController;

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

return view('welcome');

});

// Default Breeze Authentication Routes

require \_\_DIR\_\_.'/auth.php';

// Customer Dashboard Route

Route::middleware(['auth', 'customer'])->group(function () {

Route::get('/customer/dashboard', [DashboardController::class, 'customerDashboard'])->name('customer.dashboard');

});

// Admin Dashboard Route

Route::middleware(['auth', 'admin'])->group(function () {

Route::get('/admin/dashboard', [DashboardController::class, 'adminDashboard'])->name('admin.dashboard');

});

**📌 Step 7: Dashboard Controller তৈরি করা**

👉 **Dashboard Controller তৈরি করুন:**

php artisan make:controller DashboardController

👉 **app/Http/Controllers/DashboardController.php আপডেট করুন:**

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class DashboardController extends Controller

{

public function customerDashboard()

{

return view('dashboard.customer');

}

public function adminDashboard()

{

return view('dashboard.admin');

}

}

**📌 Step 8: Blade Views তৈরি করা**

👉 **Customer Dashboard View (resources/views/dashboard/customer.blade.php)**

@extends('layouts.app')

@section('content')

<div class="container">

<h1>Customer Dashboard</h1>

<p>Welcome, {{ Auth::user()->name }}</p>

</div>

@endsection

👉 **Admin Dashboard View (resources/views/dashboard/admin.blade.php)**

@extends('layouts.app')

@section('content')

<div class="container">

<h1>Admin Dashboard</h1>

<p>Welcome, {{ Auth::user()->name }}</p>

</div>

@endsection

👉 **app/Http/Controllers/Auth/AuthenticatedSessionController.php আপডেট করুন:**

public function store(LoginRequest $request): RedirectResponse

    {

        $request->authenticate();

        $request->session()->regenerate();

        $user = Auth::user();

        if($user->role == 'admin')

            return redirect()->intended('/admin/dashboard');

        elseif($user->role = 'customer')

            return redirect()->intended('/customer/dashboard');

        else

            return redirect()->intended(RouteServiceProvider::HOME);

    }

**Step 9: Postman দিয়ে টেস্ট করুন**

**১. রেজিস্ট্রেশন (Register New User)**

POST http://127.0.0.1:8000/register

Content-Type: application/json

{

"name": "Admin User",

"email": "admin@example.com",

"password": "password",

"password\_confirmation": "password",

"role": "admin"

}

**২. লগইন (Login)**

POST http://127.0.0.1:8000/login

Content-Type: application/json

{

"email": "admin@example.com",

"password": "password"

}

**৩. Customer Dashboard**

GET http://127.0.0.1:8000/customer/dashboard

Authorization: Bearer {ACCESS\_TOKEN}

**৪. Admin Dashboard**

GET http://127.0.0.1:8000/admin/dashboard

Authorization: Bearer {ACCESS\_TOKEN}

**📌 Step 10: Cache Clear & Serve**

php artisan config:clear

php artisan cache:clear

php artisan route:clear

php artisan view:clear

php artisan migrate --seed

php artisan serve

**Customer(CRUD)**

* **php artisan make:controller Admin/CustomerController –resource**

**Step 1: ALL view**

**controller: Admin/CustomerController.php**

1. **flowing index method**

public function index()

    {

        $customers = User::latest()->get();

        // return view('pages.index',compact('customers'));

        return view('dashboard.admin.customers.index', compact('customers'));

    }

1. **View :** [**Dashboard/admin/customers/index.blade.php**](resources/views/dashboard/admin/customers/index.blade.php)

**Web route :**

Route::middleware(['auth', 'admin'])->group(function () {

//customer

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

});

**Step 2: ALL view**