Optics Centre

Done by: Mahdi Suleiman

Project brief:

Optics Centre is an E-commerce website for selling eye and sunglasses all in one place where you pick your favourite frame, add it to your basket and proceed to checkout.

Problem:

My parents own an optics centre which lacks a website with an Admin dashboard to manage its users, orders and products. This website aims to manage all of that in a single place. Also, pretty much all other optics centres lack the same management system which is a business opportunity where the platform can be sold to them.

Solution:

After setting with my parents trying to resolve and figure out what they really need for a website that manage their optics centre I came with this idea of a website.

Programming Languages:

- Front-end: HTML5, CSS3, SASS, JavaScript & ReactJS.
- Back-end: MySQL, PHP & Laravel.

Project Functionality:

1. The user can create an account.
2. The user can review glasses inside the website with ease.
3. The user can add to cart.
4. The user can proceed to checkout.
5. The user can view his/her cart.
6. Admin Dashboard.
7. The admin has access to all database tables.
8. The admin can view, add, edit and delete data on these tables.

Layout and visual Identity:

Colors and layout were chosen in a way to be simple, yet attractive and easy to use and navigate through the whole website.

Database schema:

masterpiece tempcart
- id : bigint(20) unsigned
- user_id : bigint(20) unsigned
- product_id : bigint(20) unsigned
- price : double(8,2)
- discount : double(8,2)
- final_price : double(8,2)
- quantity : int(11)
- created_at : timestamp
- updated_at : timestamp

masterpiece orders
- id : bigint(20) unsigned
- user_id : bigint(20) unsigned
- name : varchar(255)
- email : varchar(255)
- address : varchar(255)
- mobile_number : varchar(255)
- total : double(8,2)
- created_at : timestamp
- updated_at : timestamp

masterpiece orders_details
- id : bigint(20) unsigned
- user_id : bigint(20) unsigned
- order_id : bigint(20) unsigned
- product_id : bigint(20) unsigned
- quantity : int(11)
- final_price : double(8,2)
- created_at : timestamp
- updated_at : timestamp

masterpiece categories
- id : bigint(20) unsigned
- name : varchar(255)
- description : text
- image_url : text
- created_at : timestamp
- updated_at : timestamp

masterpiece products
- id : bigint(20) unsigned
- category_id : bigint(20) unsigned
- name : varchar(255)
- description : text
- price : double(8,2)
- image_url : text
- stock : int(11)
- discount : double(8,2)
- created_at : timestamp
- updated_at : timestamp

masterpiece users
- id : bigint(20) unsigned
- name : varchar(255)
- email : varchar(255)
- email_verified_at : timestamp
- password : varchar(255)
- role : enum('admin','user')
- mobile_number : varchar(255)
- remember_token : varchar(100)
- created_at : timestamp
- updated_at : timestamp

Logic:

- Each category has many products (one-to-many).

- Each user has a cart, each cart has many products(one-to-many).

- Each user has many orders and orders can belong to the same user (many-to-many).

Pages:

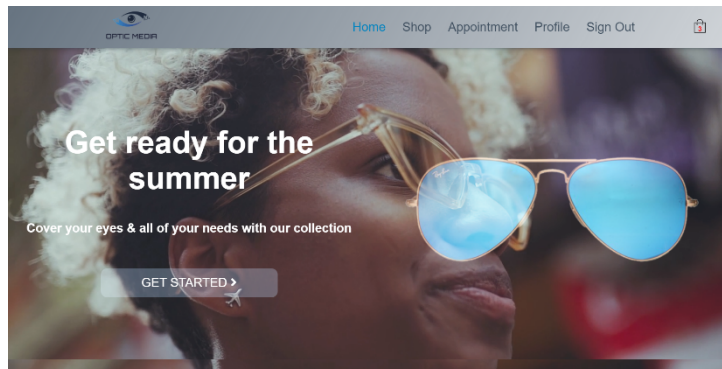Each page has Navbar and a footer allows users to navigate easily between pages.

- Landing Page:
    - o Landing Video
    - o Call to action button
    - o Featured products
    - o Testimonials
- Shop Page:
    - o All products
- Login Page
- Register Page
- Profile Page:
    - o Orders
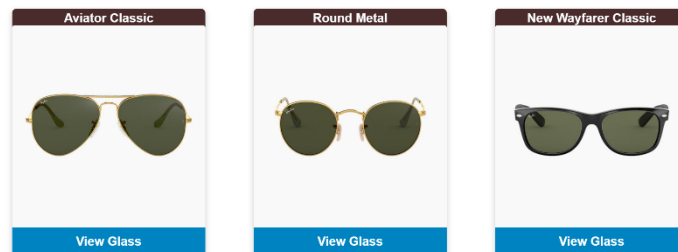   - o User's details
- Cart Page
- Checkout Page
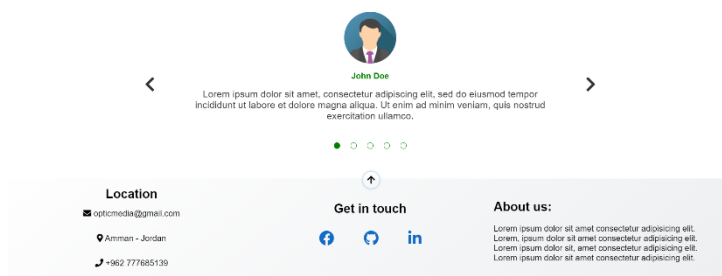
Mockup, wireframe and code

Front-end Mockup:

Best sellers

Aviator Classic
Round Metal
New Wayfarer Classic

View Glass
View Glass
View Glass

Get your eyes checked

Eye Examination Room

View Room

Testimonials

John Doe

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco.

Location
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📞 +962 777685139

Get in touch

About us:
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Product	Title	Quantity	Price	Remove
	Round Metal	‹ 3 ›	$360	✕

Total: $360   **Go to Checkout**

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Register

First Name

Last Name

Email

Password

Confirm Password

Register

Already have an account **Login**

↑

Location

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📞 +962 777685139

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About us:

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OPTIC MEDIA

Our Shop

Aviator Classic
View Glass

Round Metal
View Glass

New Wayfarer Classic
View Glass

Original Wayfarer Classic
View Glass

Clubmaster Classic
View Glass

Clubmaster Optics
View Glass

Round Metal Optics
View Glass

Hexagonal Optics
View Glass

Aviator Optics
View Glass

Erika Optics
View Glass

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OPTIC MEDIA

Profile

Reservations

Technician	Date	Start Time	End Time	Total Price	Remove
Eye Examination Room	2022-02-16	1730	1830	5	🗑

Cart Items

Round Metal
3 × 120

Location
✉ opticmedia@gmail.com

📍 Amman - Jordan
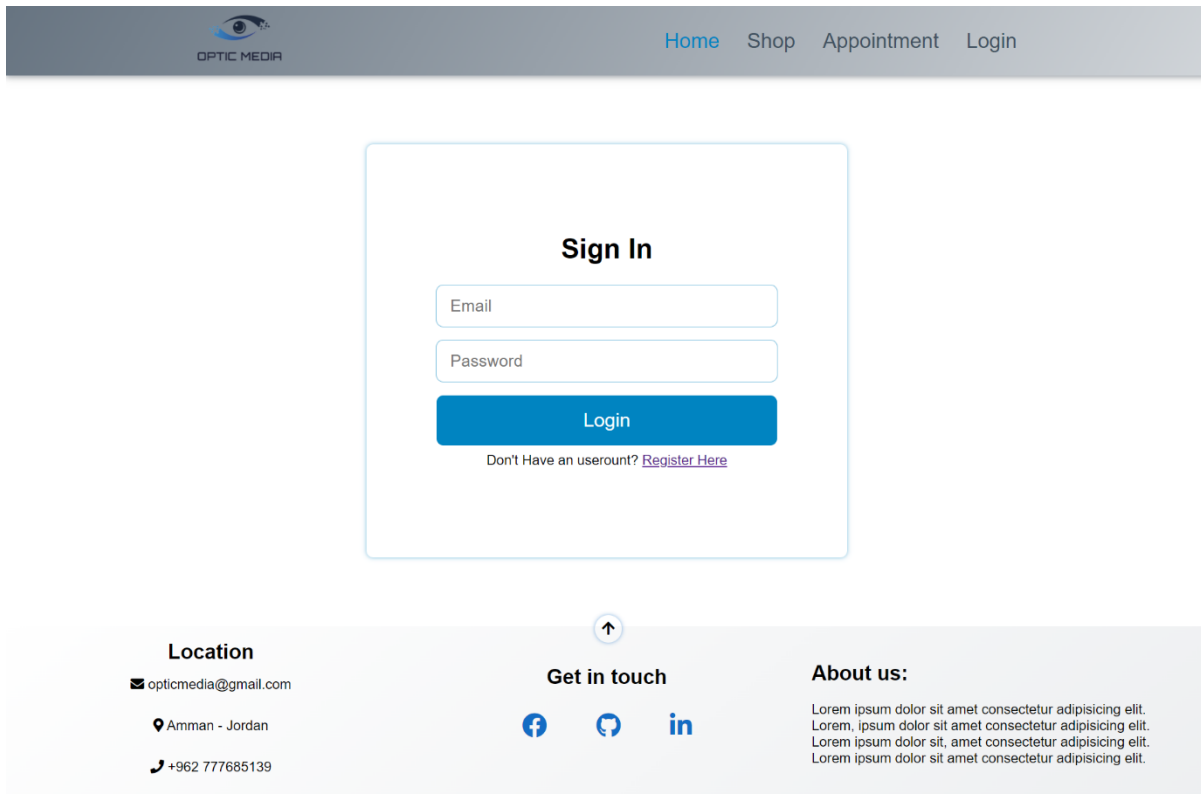
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About us:
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Code snippets of front-end:

- **App.js:**

```
import './App.scss';
import { useState } from 'react';
import { Route, Routes } from "react-router-dom";
import glasses from './data/glasses/glasses';
import rooms from './data/rooms/rooms';

import NavBar from './components/navbar/navbar';
import HomePage from './pages/homepage/homepage';
import Footer from './components/footer/footer';
import Login from './components/login/login'
import Register from './components/register/register'
import GlassesShop from
'./components/glasses-in-shop/glasses-in-shop'
import RoomsShop from './components/rooms-in-shop/rooms-in-shop'
import DetailedGlasses from
'./components/detailed-glass/detailed-glass';
import DetailedRoom from './components/detailed-room/detailed-room';
import Cart from './components/cart/cart'
import CheckoutPage from './components/checkout-page/checkout-page';
```

```
import Userprofile from './components/user-profile/user-profile';


function App() {
  const [loggedUser, setLoggedUser] =
useState(JSON.parse(localStorage.getItem("loggedUser")));
  return (
    <div className="App">
      <NavBar loggedUser={loggedUser} setLoggedUser={setLoggedUser}
/>
      <Routes>
        <Route exact path="/" element={<HomePage />} />
        <Route exact path="/login" element={<Login
setLoggedUser={setLoggedUser} />} />
        <Route exact path="/register" element={<Register
setLoggedUser={setLoggedUser} />} />
        <Route exact path="/glasses" element={<GlassesShop />} />
        <Route exact path="/rooms" element={<RoomsShop />} />
        <Route exact path="/glasses/:title"
element={<DetailedGlasses glasses={glasses} loggedUser={loggedUser}
setLoggedUser={setLoggedUser} />} />
        <Route exact path="/glasses/:title"
element={<DetailedGlasses setLoggedUser={setLoggedUser} />} />
        <Route exact path="/rooms/:title" element={<DetailedRoom
rooms={rooms} />} />
        <Route exact path="/cart" element={<Cart
setLoggedUser={setLoggedUser} />} />
        <Route exact path="/checkout" element={<CheckoutPage
setLoggedUser={setLoggedUser} />} />
        <Route exact path="/profile" element={<Userprofile
setLoggedUser={setLoggedUser} loggedUser={loggedUser} />} />
      </Routes>
      <Footer />
    </div>
  );
}

export default App;
```

- Navbar.JSX

```jsx
import React, { useState } from "react";
import "./navbar.scss";
import { Link } from "react-router-dom";
import { ReactComponent as ShoppingIcon } from
"../../assets/shopping-bag.svg";
import logo from "../../assets/logo.png";
import CartDropdown from "../cart-dropdown/cart-dropdown";

const NavBar = (props) => {

  const [navBarActive, setNavBarActive] = useState(false)
  const [hidden, setHidden] = useState(true);
  const [hiddenCart, setHiddenCart] = useState(true);


  const showMenu = () => {
    setNavBarActive(!navBarActive)
    setHidden(true)
  };

  const handleHidden = () => {
    setHiddenCart(!hiddenCart)
  }
  const signOut = () => {
    localStorage.removeItem("loggedUser");
    props.setLoggedUser("")
  }

  return (
    <header className="header" role={"banner"} id='navbar' >
      <div onClick={showMenu}>
        <i className="fas fa-bars burgerMenu"></i>
      </div>

      <nav className="nav">
        <div className="navCenter">
          <Link to="/"><img src={logo} alt="website logo"
width={"100px"} /></Link>
        </div>
        <ul className={`${navBarActive ? "activeBurger" : ""}
topList`}>
          <li>
```

```jsx
                <Link className="active" to="/">
                  Home
                </Link>
              </li>
              <li>
                <Link to="/glasses">Shop</Link>
              </li>
              <li>
                <Link to="/rooms">Appointment</Link>
              </li>
              {
                props.loggedUser ?
                  <div className="sign-out">
                    <li>
                      <Link to="/profile">Profile</Link>
                    </li>
                    <li onClick={signOut}>
                      <Link to="/login">Sign Out</Link
                      ></li>
                  </div> :
                  <li>
                    <Link to="/login">Login</Link>
                  </li>
              }
            </ul>
            {props.loggedUser ? <div className="shoppingCart"
  onClick={handleHidden}>
              <ShoppingIcon className="shopping-icon" />
              <span
  className="item-count">{props.loggedUser.cartItems.reduce((tot
  al, item) => total + item.quantity, 0)}</span>
            </div> : null}

          </nav>
          {hiddenCart ? null : <CartDropdown
  loggedUser={props.loggedUser} handleHidden={setHiddenCart}
  setLoggedUser={props.setLoggedUser} />}
        </header>
    );

}

export default NavBar;
```

- Navbar.scss

```scss
.header {
    position: sticky;
    top: 0%;
    z-index: 1000;
    background-image: linear-gradient(120deg, rgba(255, 255, 255, 0)
0%, rgba(235, 237, 239, 0.8) 100%);
    background-color: #415161cc;
    box-shadow: 0 2px 5px 0 rgba(65, 82, 98, 0.3), 0 2px 10px 0
rgba(0, 0, 0, 0.2);

    .nav {
        display: flex;
        align-items: center;
        justify-content: space-around;
        transition: 0.3s ease-in-out;

        a {
            text-decoration: none;
            padding: 0.5rem 1rem;
            font-size: 1.5em;
            color: #415161;

            &:hover {
                color: #0084c1;
            }
        }

        li {
            transition: 0.5s;

            &:hover {
                transform: translateY(3px);
            }
        }

        a.active {
            color: #0084c1 !important;
        }
```

```css
    }

    .burgerMenu {
        display: none;
        color: black;
        font-size: 2.7rem;
        margin-right: 0.3rem;
        cursor: pointer;
    }

    .shoppingCart {
        display: flex;
        width: 45px;
        height: 45px;
        position: absolute;
        align-items: center;
        justify-content: center;
        cursor: pointer;
        top: 1rem;
        right: 2.5rem;
    }
}

.logo {
    width: 0.625rem;
    height: 0.625rem;
    width: 5em;
    height: 2em;
}

.topList {
    display: flex;
    list-style: none;
}

.topIcon {
    font-size: 1.5rem;
    margin-right: 0.625rem;
    color: #434343;
    cursor: pointer;
}

.shopping-icon {
    width: 1.625em;
```

```css
        height: 1.625em;
}

.item-count {
    position: absolute;
    font-weight: bolder;
    bottom: 9px;
    font-size: 13px;
    color: red;
}

.sign-out {
    display: flex;
    text-align: center;
}

@media all and (max-width: 768px) {
    .header {
        position: relative;

        .burgerMenu {
            display: block;
            position: absolute;
            top: 1.4rem;
            right: 1.5rem;
        }

        .shoppingCart {
            position: absolute;
            top: 1.2rem;
            right: 6rem;
        }
    }

    .nav {
        flex-direction: column;
        align-items: stretch;

        ul {
            li {
                margin: 0.9rem 0;
            }
        }
    }
```

```css
    .topList {
        display: none;
        flex-direction: column;
        align-items: center;
        justify-content: center;
        margin-right: 0;
    }

    .activeBurger {
        display: flex;
    }

    .sign-out {
        flex-direction: column;
    }
}
```

● Back-end mock-up:

Optics Center

admin ⌄

admin

- 🗓 Orders
- 👥 Users ⌄
- ▦ Categories ⌄
- ▦ Products ⌄
- ▦ Rooms ⌄

Name	Description	Image url		
eyeglasses	eyeglasses desciption	eyeglasses image url	Edit	Delete
sunglasses	sunglasses desciption	sunglasses image url	Edit	Delete
contact lenses	contact lenses desciption	contact lenses image url	Edit	Delete

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Optics Center

admin ⌄

admin

- 🗓 Orders
- 👥 Users ⌄
- ▦ Categories
- ▦ Products ⌄
- ▦ Rooms ⌄

🗓	Total Orders	👥	Registered Users 4	▦	Total Categories 3	📇	Total Products 10

User Name	Email	Table Number	Mobile Number	Guest Number	Date	time	status	Notes

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Optics Center

admin

- Orders
- Users ▾
- Categories ▾
- **Products** ▾
- Rooms ▾

#	Name	Category	Description	Price	Image url	Stock	Discount		
1	Aviator Classic	sunglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	100	/images/Aviator-Classic.jpg	10	0	Edit	Delete
2	Round Metal	sunglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	120	/images/Round-Metal.jpg	10	0	Edit	Delete
3	New Wayfarer Classic	sunglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	140	/images/New-Wayfarer-Classic.jpg	10	0	Edit	Delete
4	Original Wayfarer Classic	sunglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	160	/images/Original-Wayfarer-Classic.jpg	10	0	Edit	Delete
5	Clubmaster Classic	sunglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	180	/images/Clubmaster-Classic.jpg	10	0	Edit	Delete
6	Clubmaster Optics	eyeglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	90	/images/Clubmaster-Optics.jpg	10	0	Edit	Delete
7	Round Metal Optics	eyeglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	110	/images/Round-Metal-Optics.jpg	10	0	Edit	Delete
8	Hexagonal Optics	eyeglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	130	/images/Hexagonal-Optics.jpg	10	0	Edit	Delete
9	Aviator Optics	eyeglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	150	/images/Aviator-Optics.jpg	10	0	Edit	Delete
10	Erika Optics	eyeglasses	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam id dolor id nibh ultricies vehicula ut id elit.	170	/images/Erika-Optics.jpg	10	0	Edit	Delete

Optics Center

admin

- ☑ Orders
- 👥 Users ⌄
- ⊞ Categories ⌄
- ⊞ Products ⌄
- ⊞ Rooms ⌄

Name	Email	Mobile Number	Edit	Delete
mahdi	mh@gmail.com	0777777777	Edit	Delete
ghassan	gh@gmail.com	0777777777	Edit	Delete
sanad	sanad@gmail.com	0777777777	Edit	Delete
alaa	alaa@gmail.com		Edit	Delete

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- ☑ Orders
- 👥 Users ⌄
- ⊞ Categories ⌄
- ⊞ Products ⌄
- ⊞ Rooms ⌄

Name*	Email*	Password*	Mobile Number optional	
				Add user

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Login

Email Address	admin@admin.com
Password	●●●●●●●●●

☐ Remember Me

Login   [Forgot Your Password?](#)

User added successfully

Name*	Email*	Password*	Mobile Number optional	
				Add user

- **Back-end code snippets:**

UserController.php

```php
<?php

namespace App\Http\Controllers\admin;

use App\Http\Controllers\Controller;
use App\Models\User;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Hash;

class UserController extends Controller
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\Http\Response
     */
    public function index()
    {
        //
        $users = User::where('role', 'user')->get();
        // dd($users);
        return view('layouts.admin.user.index', compact('users'));
    }

    /**
     * Show the form for creating a new resource.
     *
     * @return \Illuminate\Http\Response
     */
    public function create()
    {
        //
        return view('layouts.admin.user.create');
    }

    /**
     * Store a newly created resource in storage.
```

```php
     *
     * @param  \Illuminate\Http\Request  $request
     * @return \Illuminate\Http\Response
     */
    public function store(Request $request)
    {
        //
        // dd($request->mobile_number);
        $request->validate([
            'name' => 'required|min:2',
            'email' => 'required|email|unique:users,email',
            'password' => 'required|min:8',
            'mobile_number' => 'max:10',
        ]);
        $password = Hash::make($request->password);
        User::create([
            'name' => $request->name,
            'email' => $request->email,
            'password' => $password,
            'mobile_number' => $request->mobile_number
        ]);
        return redirect()->back()->with(['message' => 'User added
successfully']);
    }

    /**
     * Display the specified resource.
     *
     * @param  int  $id
     * @return \Illuminate\Http\Response
     */
    public function show($id)
    {
        //
    }

    /**
     * Show the form for editing the specified resource.
     *
     * @param  int  $id
     * @return \Illuminate\Http\Response
     */
    public function edit($id)
    {
```

```php
        //
        $user = User::find($id);
        return view('layouts.admin.user.edit', compact('user'));
    }

    /**
     * Update the specified resource in storage.
     *
     * @param  \Illuminate\Http\Request  $request
     * @param  int  $id
     * @return \Illuminate\Http\Response
     */
    public function update(Request $request, $id)
    {
        //
        if ($request->password != null) {
            $password = Hash::make($request->password);
            $request->validate([
                'name' => 'required|min:2',
                'password' => 'min:8',
                'mobile_number' => 'max:10',
            ]);
            $user = User::find($id);
            $user->update([
                'name' => $request->name,
                'password' => $password,
                'mobile_number' => $request->mobile_number
            ]);
            return redirect()->back()->with(['message' => 'edit was
successful']);
        }

        $request->validate([
            'name' => 'required|min:2',
            'mobile_number' => 'max:10',
        ]);
        $user = User::find($id);
        $user->update([
            'name' => $request->name,
            'email' => $request->email,
            'mobile_number' => $request->mobile_number
        ]);
        return redirect()->back()->with(['message' => 'edit was
successful']);
```

```php
    }

    /**
     * Remove the specified resource from storage.
     *
     * @param  int  $id
     * @return \Illuminate\Http\Response
     */
    public function destroy($id)
    {
        //
        $user = User::find($id);
        $user->deleteOrFail();
        return redirect()->back()->with(['message' => 'User Deleted
Successfully']);
    }
}
```

User.php:

```php
<?php
```

```php
namespace App\Models;

use Illuminate\Contracts\Auth\MustVerifyEmail;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Illuminate\Notifications\Notifiable;
use Laravel\Sanctum\HasApiTokens;

class User extends Authenticatable
{
    use HasApiTokens, HasFactory, Notifiable;

    public function rooms()
    {
        return $this->hasMany(Room::class);
    }
    /**
     * The attributes that are mass assignable.
     *
     * @var array<int, string>
     */
    protected $fillable = [
        'name',
        'email',
        'password',
        'role',
        'mobile_number'
    ];

    /**
     * The attributes that should be hidden for serialization.
     *
     * @var array<int, string>
     */
    protected $hidden = [
        'password',
        'remember_token',
    ];

    /**
     * The attributes that should be cast.
     *
     * @var array<string, string>
     */
```

```php
    protected $casts = [
        'email_verified_at' => 'datetime',
    ];
}
```

web.php

```php
<?php
```

```php
    protected $casts = [
        'email_verified_at' => 'datetime',
    ];
```

```php
use App\Http\Controllers\admin\IndexController;
use App\Http\Controllers\admin\UserController;
use App\Http\Controllers\admin\CategoryController;
use App\Http\Controllers\admin\ProductController;
use App\Http\Controllers\admin\RoomController;
// use App\Http\Controllers\CategoryController;
use Illuminate\Support\Facades\Auth;
use Illuminate\Support\Facades\Route;

/*
|--------------------------------------------------------------------------
| Web Routes
|--------------------------------------------------------------------------
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/

Route::get('/', function () {
    return view('welcome');
});


Auth::routes();

Route::get('/home', [App\Http\Controllers\HomeController::class, 'index'])->name('home');

Route::middleware(['IsAdmin'])->group(function () {
    Route::get('/admin/dashboard', [IndexController::class, 'index'])->name('admin.index');

    Route::get('/admin/users', [UserController::class, 'index'])->name('admin.users');
    Route::get('/admin/users/add', [UserController::class, 'create'])->name('admin.users.add');
    Route::post('/admin/users/add', [UserController::class, 'store'])->name('admin.users.store');
```

```php
    Route::delete('/admin/users/{id}', [UserController::class,
'destroy'])->name('admin.users.destroy');
    Route::get('/admin/users/edit/{id}', [UserController::class,
'edit'])->name('admin.users.edit');
    Route::put('/admin/users/edit/{id}', [UserController::class,
'update'])->name('admin.users.update');

    Route::get('/admin/categories', [CategoryController::class,
'index'])->name('admin.categories.index');
    Route::get('/admin/categories/add', [CategoryController::class,
'create'])->name('admin.categories.create');
    Route::post('/admin/categories/add', [CategoryController::class,
'store'])->name('admin.categories.store');
    Route::get('/admin/categories/edit/{id}',
[CategoryController::class, 'edit'])->name('admin.categories.edit');
    Route::put('/admin/categories/edit/{id}',
[CategoryController::class,
'update'])->name('admin.categories.update');
    Route::delete('/admin/categories/{id}',
[CategoryController::class,
'destroy'])->name('admin.categories.destroy');

    Route::get('/admin/products', [ProductController::class,
'index'])->name('admin.products.index');
    Route::get('/admin/products/add', [ProductController::class,
'create'])->name('admin.products.create');
    Route::post('/admin/products/add', [ProductController::class,
'store'])->name('admin.products.store');
    Route::get('/admin/products/edit/{id}',
[ProductController::class, 'edit'])->name('admin.products.edit');
    Route::put('/admin/products/edit/{id}',
[ProductController::class,
'update'])->name('admin.products.update');
    Route::delete('/admin/products/{id}', [ProductController::class,
'destroy'])->name('admin.products.destroy');

    Route::get('/admin/rooms', [RoomController::class,
'index'])->name('admin.rooms.index');
    Route::get('/admin/rooms/add', [RoomController::class,
'create'])->name('admin.rooms.create');
    Route::post('/admin/rooms/add', [RoomController::class,
'store'])->name('admin.rooms.store');
    Route::get('/admin/rooms/edit/{id}', [RoomController::class,
'edit'])->name('admin.rooms.edit');
```

```php
    Route::put('/admin/rooms/edit/{id}', [RoomController::class,
'update'])->name('admin.rooms.update');
    Route::delete('/admin/rooms/{id}', [RoomController::class,
'destroy'])->name('admin.rooms.destroy');
});
```

User migration:

```php
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
```

```php
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('users', function (Blueprint $table) {
            $table->id();
            $table->string('name');
            $table->string('email')->unique();
            $table->timestamp('email_verified_at')->nullable();
            $table->string('password');
            $table->enum('role', ['admin',
'user'])->default('user');
            $table->string('mobile_number')->nullable();
            $table->rememberToken();
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('users');
    }
};
```

ProductSeeder.php:

```php
<?php

namespace Database\Seeders;
```

```php
use Illuminate\Database\Console\Seeds\WithoutModelEvents;
use Illuminate\Database\Seeder;
use Illuminate\Support\Facades\DB;

class ProductSeeder extends Seeder
{
    /**
     * Run the database seeds.
     *
     * @return void
     */
    public function run()
    {
        //
        DB::table('products')->insert([
            [
                'category_id' => 2,
                'name' => "Aviator Classic",
                'description' =>
                "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
                'image_url' => "/images/Aviator-Classic.jpg",
                'price' => 100,
                'stock' => 10,
                'discount' => 0
            ],
            [
                'category_id' => 2,
                'name' => "Round Metal",
                'description' =>
                "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
                'image_url' => "/images/Round-Metal.jpg",
                'price' => 120,
                'stock' => 10,
                'discount' => 0

            ],
            [
                'category_id' => 2,
                'name' => "New Wayfarer Classic",
                'description' =>
```

```php
                "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
            'image_url' => "/images/New-Wayfarer-Classic.jpg",
            'price' => 140,
            'stock' => 10,
            'discount' => 0

        ],
        [
            'category_id' => 2,
            'name' => "Original Wayfarer Classic",
            'description' =>
                "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
            'image_url' =>
"/images/Original-Wayfarer-Classic.jpg",
            'price' => 160,
            'stock' => 10,
            'discount' => 0

        ],
        [
            'category_id' => 2,
            'name' => "Clubmaster Classic",
            'description' =>
                "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
            'image_url' => "/images/Clubmaster-Classic.jpg",
            'price' => 180,
            'stock' => 10,
            'discount' => 0

        ],
        [
            'category_id' => 1,
            'name' => "Clubmaster Optics",
            'description' =>
                "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
            'image_url' => "/images/Clubmaster-Optics.jpg",
```

```php
            'price' => 90,
            'stock' => 10,
            'discount' => 0

    ],
    [
        'category_id' => 1,
        'name' => "Round Metal Optics",
        'description' =>
        "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
        'image_url' => "/images/Round-Metal-Optics.jpg",
        'price' => 110,
        'stock' => 10,
        'discount' => 0

    ],
    [
        'category_id' => 1,
        'name' => "Hexagonal Optics",
        'description' =>
        "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
        'image_url' => "/images/Hexagonal-Optics.jpg",
        'price' => 130,
        'stock' => 10,
        'discount' => 0

    ],
    [
        'category_id' => 1,
        'name' => "Aviator Optics",
        'description' =>
        "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
        'image_url' => "/images/Aviator-Optics.jpg",
        'price' => 150,
        'stock' => 10,
        'discount' => 0

    ],
```

```php
            [
                'category_id' => 1,
                'name' => "Erika Optics",
                'description' =>
                "Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nullam id dolor id nibh ultricies vehicula ut id elit. Nullam
id dolor id nibh ultricies vehicula ut id elit.",
                'image_url' => "/images/Erika-Optics.jpg",
                'price' => 170,
                'stock' => 10,
                'discount' => 0

            ]
        ]);
    }
}
```