

Layouting with Bootstrap and JQuery

Here's a step-by-step guide to creating a Laravel Blade layout for a dashboard page with a header, sidebar, content area, and footer, including the relevant CSS and JS for Bootstrap:

Step 1: Setting Up the Layout Structure

1. **Create the Layout Blade File:** Create a new file called `app.blade.php` in the `resources/views/layouts` directory.

```
mkdir -p resources/views/layouts
touch resources/views/layouts/app.blade.php
```

2. **Define the Layout Structure:** Add the basic HTML structure and include the necessary Bootstrap CSS and JS files.

```
<!-- resources/views/layouts/app.blade.php -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>@yield('title', 'Dashboard')</title>
  <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
  <style>
    body {
      font-family: Arial, Helvetica, sans-serif;
    }
    .sidenav {
      height: 100%;
      width: 280px;
      position: fixed;
      z-index: 1;
      top: 0;
```

```
    left: 0;
    background-color: gray;
    overflow-x: hidden;
    padding-top: 30px;
    margin-top: 65px;
}
.sidenav a {
    padding: 6px 16px;
    text-decoration: none;
    font-size: 25px;
    color: white;
    display: block;
    position: relative;
}
.sidenav a.active {
    color: #2D60FF;
}
.sidenav a.active::before {
    content: "";
    position: absolute;
    top: 60%;
    transform: translateY(-50%);
    left: 0;
    width: 10px;
    height: 80px;
    background-color: #2D60FF;
    border-radius: 0 10px 10px 0;
}
.main-content {
    margin-left: 300px;
    padding: 20px;
}
.footer {
    background-color: #f1f1f1;
    padding: 10px;
    text-align: center;
    position: fixed;
    left: 0;
    bottom: 0;
```

```

        width: 100%;
    }
</style>
</head>
<body>
    @include('layouts.header')
    @include('layouts.sidebar')
    <div class="main-content">
        @yield('content')
    </div>
    @include('layouts.footer')

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>

```

Step 2: Create Partial Views

3. **Header Partial:** Create a header partial view.

```

mkdir -p resources/views/layouts
touch resources/views/layouts/header.blade.php

```

```

<!-- resources/views/layouts/header.blade.php -->
<header>
    <div class="container-fluid p-2 bg-white text-center">
        <div class="d-flex justify-content-between align-items-center">
            <div class="d-flex align-items-center">
                <a href="{{ route('dashboard') }}" id="cab" class="d-flex align-items-center">
                    
                    <b>CAB</b>
                </a>
            </div>
            <div id="user-icon" class="d-flex align-items-center">
                <a href="#" onclick="event.preventDefault(); document.getElementById('logout-form').submit();">
                    Logout
                </a>
            </div>
        </div>
    </div>

```

```

        </a>
        <form id="logout-form" action="{{ url('admin_logout') }}" method="POST" style="display: none;">
            @csrf
        </form>
        <a href="{{ route('logout') }}">
            
        </a>
    </div>
</div>
</div>
</header>

```

4. **Sidebar Partial:** Create a sidebar partial view.

touch resources/views/layouts/sidebar.blade.php

```

<!-- resources/views/layouts/sidebar.blade.php -->
@php
$menus = DB::table('user_menus as um')
    ->leftJoin('menus as m', 'm.id', '=', 'um.menu_id')
    ->where('um.user_id', '=', auth()->user()->id)
    ->select('m.name as menu_name', 'm.address')
    ->get();
@endphp

<div class="sidenav">
    <a href="{{ url('/dashboard') }}" class="{{ Request::is('dashboard*') ? 'active' : '' }}">
        
        Dashboard
    </a><br>

    @foreach ($menus as $menu)
        <a href="{{ url($menu->address) }}" class="{{ Request::is(trim($menu->address, '/') . '*') ? 'active' : ''
        }}">
            
            {{ $menu->menu_name }}
        </a><br>
    @endforeach

```

```
</div>
```

5. **Footer Partial:** Create a footer partial view.

```
touch resources/views/layouts/footer.blade.php
```

```
<!-- resources/views/layouts/footer.blade.php -->
<footer class="footer">
    <p>&copy; 2024 Your Company Name. All rights reserved.</p>
</footer>
```

Step 3: Create the Dashboard View

6. **Dashboard View:** Create a view for the dashboard that extends the layout.

```
mkdir -p resources/views/dashboard
touch resources/views/dashboard/index.blade.php
```

```
<!-- resources/views/dashboard/index.blade.php -->
@extends('layouts.app')

@section('title', 'Dashboard')

@section('content')
    <div class="container">
        <h1>Welcome to the Dashboard</h1>
        <p>This is the main content area for the dashboard.</p>
    </div>
@endsection
```

Step 4: Define Routes and Controllers

7. **Define Routes:** Update your `web.php` routes file to include a route for the dashboard.

```
// routes/web.php
use Illuminate\Support\Facades\Route;

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

```
return view('dashboard.index');
}->name('dashboard');
```

8. **Create a Controller (Optional):** If you prefer to use a controller for the dashboard route.

```
php artisan make:controller DashboardController
```

```
// app/Http/Controllers/DashboardController.php
namespace App\Http\Controllers;

use Illuminate\Http\Request;

class DashboardController extends Controller
{
    public function index()
    {
        return view('dashboard.index');
    }
}
```

Update the route to use the controller:

```
// routes/web.php
use App\Http\Controllers\DashboardController;

Route::get('/dashboard', [DashboardController::class, 'index'])->name('dashboard');
```

Summary

You've now set up a Laravel Blade layout for a dashboard page with a header, sidebar, content area, and footer. This setup includes relevant CSS and JS for Bootstrap to ensure proper styling and functionality. Customize the content, styles, and routes as needed for your specific application requirements.

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