

Essentials Blade Directives

- @foreach , @for , @while , forelse → Loops.
- @if , @elseif , @else → Conditional statements.
- @switch , @case , @default , @break → Switch-case logic.
- @php → Run raw PHP inside Blade.
- @isset , @empty → Check if variables are set or empty.
- @csrf → Include CSRF protection.
- @method('PUT') , @method('DELETE') → Method Spoofing (PUT, DELETE)
- @error → Display validation errors.
- @session → Display session data.
- @auth , @guest → Authentication checks.
- @push , @stack → Manage stacked sections

Blade Comments

Use `{{-- --}}` for Blade comments (not visible in HTML).

```
{{-- This is a Blade comment --}}
```

Blade Conditional Statements

If-Else

```
@if($user)
    <p>Welcome, {{$user->name}}</p>
@else
    <p>Please log in</p>
@endif
```

If-Elseif-Else

```
@if($role == 'admin')
    <p>Welcome Admin</p>
@elseif($role == 'editor')
    <p>Welcome Editor</p>
@else
    <p>Welcome Guest</p>
@endif
```

Isset & Empty

```
@isset($name)
    <p>Name is set: {{$name}}</p>
@endisset

@empty($cart)
    <p>Your cart is empty!</p>
@endempty
```

Blade Switch-Case

```
@switch($role)
    @case('admin')
        <p>Admin Panel</p>
        @break
    @case('editor')
        <p>Editor Dashboard</p>
        @break
    @default
        <p>General User</p>
@endswitch
```

Blade Loops

Foreach Loop

```
@foreach($users as $user)
    <p>{{$user->name}}</p>
@endforeach
```

Forelse

```
@forelse($posts as $post)
    <h1>{{$post}}</h1>
@empty
    <h1>No posts</h1>
@endforelse
```

For Loop

```
@for ($i = 0; $i < 5; $i++)
    <p>Iteration {{$i}}</p>
```

```
@endfor
```

While Loop

```
@while ($count < 5)
    <p>Count: {{$count}}</p>
    @php $count++ @endphp
@endwhile
```

Blade PHP Execution

If you need to write raw PHP inside Blade:

```
@php
    $message = "Hello, Blade!";
@endphp

<p>{{$message}}</p>
```

Blade Forms & Security

CSRF Protection

```
<form method="POST" action="/submit">
    @csrf
    <button type="submit">Submit</button>
</form>
```

Method Spoofing (PUT, DELETE)

```
<form method="POST" action="/update">
    @csrf
    @method('PUT')
    <button type="submit">Update</button>
</form>
```

Validation Errors

```
@error('email')
    <p>{{ $message }}</p>
@enderror
```

Session Data

```
@session('message')
    <h1>{{ session('message') }}</h1>
@endsession
```

Blade Authentication Directives

Check Authenticated User

```
@auth
    <p>Welcome, {{ auth()->user()->name }}</p>
@endauth
```

Check Guest (Not Logged In)

```
@guest
    <p>Please log in</p>
@endguest
```

Blade Stacks (@push & @stack)

Useful for adding dynamic content (e.g., JavaScript).

📌 In Layout:

```
<head>
    @stack('scripts')
</head>
```

📌 In Child View:

```
@push('scripts')
    <script src="app.js"></script>
@endpush
```

Blade Layouting

main.blade.php file inside layouts folder

```
<!DOCTYPE html>

<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>My APP | @yield('title', 'Default Page')</title>
    <link rel="stylesheet" href="style.css">
    // Page Specific CSS will load here
    @yield('styles')

    // Page Specific JS will load here
    @stack('scripts')
</head>

<body>

    <ul>
        <li>home</li>
        <li>about</li>
    </ul>

    @yield('content')

    <script src="script.js"></script>
</body>

</html>
```

home.blade.php inside views folder

```
@extends('layouts.main')

@section('title', 'Home')

@section('content')

    <h1>Home Page</h1>
```

```
@endsection
```

about.blade.php inside views folder

```
@extends('layouts.main')

@section('title', 'About')

@section('content')

    <h1>About Page</h1>

@endsection

// For adding only about page's css
@section('styles')

    <link rel="stylesheet" href="about.css">

@endsection

// For adding only about page's JS
@push('scripts')
    <script src="about.js"></script>
    <script src="about1.js"></script>
@endpush
```