# **Laravel Beginner Notes: Understanding 5 Core Folders**

These 5 folders are **foundational** for Laravel development. Here's what each does — simplified for beginners:

## **™**Model Folder (app/Models)

• Location: app/Models

**Q** Purpose:

Handles data interaction with the database using Eloquent ORM.

# Remember:

- One model = one table
- It defines how your app talks to the database

#### **X** Example:

php

Copy code

php artisan make:model Post

This creates: app/Models/Post.php

## 

- Migrations
- Relationships (hasMany, belongsTo, etc.)
- DB Queries

## **2**Controller Folder (app/Http/Controllers)

Location: app/Http/Controllers

Q Purpose:

Handles **business logic** and connects models to views.

## Remember:

- Controller receives the request
- Talks to the model
- Returns a response (like a view)

#### **X** Example:

php

Copy code

php artisan make:controller PostController

This creates: app/Http/Controllers/PostController.php

**#** Usage:

php

Copy code

return view('posts.index', ['posts' => Post::all()]);

## 2 View Folder (resources/views)

Location: resources/views

**Q** Purpose:

Stores all HTML & Blade template files.

# Remember:

- .blade.php is Laravel's special HTML file
- Views show data from the controller

#### **X** Example:

Create: resources/views/welcome.blade.php

\* Usage in controller:

php

Copy code

return view('welcome');

## **⚠** Routing Folder (routes)

Location: routes/web.php

**Q** Purpose:

Defines **URLs** (routes) and connects them to controller methods or views.

#### Remember:

- It's like a traffic controller for requests
- You tell Laravel: "If someone visits /home, do this"

## **X** Example:

php

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Route::get('/home', [HomeController::class, 'index']);

Or for a simple page:

php

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Route::view('/about', 'about');

## **5** Assets/Public Folder (public/)

Location: public/

**Q** Purpose:

Holds all publicly accessible files like:

- CSS
- JavaScript
- Images
- Fonts
- Audio/Video

# Remember:

Only public/ is visible from the browser

#### **X** Usage in blade:

html

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<link rel="stylesheet" href="{{ asset('css/style.css') }}">

<img src="{{ asset('images/logo.png') }}" alt="Logo">

# Memory Tip ( MVC + Routes + Assets):

Folder Shortcut Role

Models M in MVC Talk to the **Database** 

Controllers C in MVC Handle Logic

Folder Shortcut Role

Views V in MVC Show HTML Output

Routes R Define URLs

Public/Assets A Serve **static files** (CSS, JS, IMG)

# Summary Cheat Sheet:

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- Models -> app/Models -> Talks to DB
- Controllers -> app/Http/Controllers -> Logic handler
- Views -> resources/views -> HTML output
- Routes -> routes/web.php -> URL mapping
- Public -> public/ -> Static files (CSS, JS, etc.)