

# Laravel Complete Course Outline (28 Lectures × 45 min)

## Introduction & Setup (Lectures 1-3)

- Lecture 1: Introduction to Laravel Framework, Features, MVC Architecture
- Lecture 2: Installing Laravel, Composer, Artisan CLI Basics, Directory Structure
- Lecture 3: Creating Laravel Projects and Basic Routing

## Controllers, Views & Blade (Lectures 4-7)

- Lecture 4: Controllers – Creating, Routing to Controllers
- Lecture 5: Passing Data from Controllers to Views
- Lecture 6: Blade Templating Engine – Syntax, Layouts, Components
- Lecture 7: Using Blade Directives and Sub-Views

## Forms, Request Handling & Validation (Lectures 8-11)

- Lecture 8: Handling Forms and Input, CSRF Protection
- Lecture 9: Validation – Built-in Rules, Custom Messages
- Lecture 10: File Uploads in Laravel
- Lecture 11: Managing HTTP Requests and Responses

## Database & Eloquent ORM (Lectures 12-16)

- Lecture 12: Introduction to Migrations and Schema Builder
- Lecture 13: CRUD Operations using Eloquent Models
- Lecture 14: Defining Relationships – One to One, One to Many, Many to Many
- Lecture 15: Query Builder and Advanced Eloquent Techniques
- Lecture 16: Database Seeding and Factories

## Authentication & Authorization (Lectures 17-19)

- Lecture 17: User Authentication Setup with Laravel Breeze/Jetstream
- Lecture 18: Middleware, Role-based Authorization
- Lecture 19: Password Reset, Email Verification

## Advanced Features (Lectures 20-23)

- Lecture 20: API Development with Laravel – API Resources, Passport/Sanctum
- Lecture 21: Event Handling and Listeners
- Lecture 22: Queues and Job Processing

- Lecture 23: Caching and Sessions Management

## **Testing, Debugging & Deployment (Lectures 24-26)**

- Lecture 24: Unit, Feature Testing with PHPUnit
- Lecture 25: Debugging Techniques and Logging
- Lecture 26: Deployment Basics – Deploying on Shared Hosting, Cloud, GitHub Actions

## **Latest Trends & Projects (Lectures 27-28)**

- Lecture 27: Microservices, Serverless Architecture on Laravel
- Lecture 28: Real-world Project: Build a Small E-commerce or Blog Application with Full Features

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