

Laravel From Beginner to Advanced

Format: 32 Live Classes | 2 Hours Each

Module 1: Introduction & Basics (Classes 1-3)

1. **Class 1:** Introduction to Laravel & Course Overview

- What is Laravel? Why Laravel?
- Course roadmap and expectations
- Installing PHP and Composer
- Creating your first Laravel project
- Running Laravel server (artisan serve)
- Introduction to routing and basic routes

2. **Class 2:** Blade Templating Engine & Views

- Blade syntax and directives
- Creating views and layouts
- Passing data from controllers to views

3. **Class 3:** Routing & Controllers Basics

- Simple routes and controllers

- Route parameters and route model binding basics

Module 2: Build an E-Commerce Project (Classes 4-9)

This module teaches core Laravel skills through building an e-commerce app step-by-step.

4. Class 4: Database Setup & Migrations for E-Commerce

- Designing database schema for products, categories, users, orders
- Creating migrations and running them
- Introduction to Eloquent ORM

5. Class 5: CRUD Operations for Products & Categories

- Creating models and controllers for products and categories
- Building views to list, create, update, and delete products

6. Class 6: Relationships & Product Categories

- One-to-Many relationships between categories and products
- Eager loading products with categories

7. Class 7: Shopping Cart & Sessions

- Managing cart with sessions
- Adding/removing items from cart

- Displaying cart content

8. **Class 8: User Authentication & Registration**

- Setting up Laravel authentication (Laravel Breeze)
- Protecting routes for logged-in users
- User profile basics

9. **Class 9: Order Management & Checkout Basics**

- Creating order model and relationship with users and products
- Building a checkout form
- Basic validation and storing orders

Module 3: Intermediate Concepts & Vue.js Basics (Classes 10-17)

10. **Class 10: Forms, Validation & Old Input**

- Building forms for product creation and checkout
- Validation rules and error handling

11. **Class 11: Middleware & Authorization**

- Creating custom middleware
- Protecting admin routes

- Using gates and policies for authorization

12. **Class 12:** Vue.js Basics for Laravel Integration

- Introduction to Vue.js
- Installing Vue with Laravel Mix
- Creating Vue components
- Binding data and event handling

13. **Class 13:** Vue.js Components & API Integration

- Creating dynamic components for product list and cart
- Fetching data from Laravel API routes
- Two-way data binding and emitting events

14. **Class 14:** File Uploads & Storage

- Uploading product images
- Storing files locally
- Displaying uploaded images

15. **Class 15:** API Development Basics

- Creating API routes for products and cart
- Returning JSON responses

- Consuming API from Vue components

16. **Class 16: Testing Essentials**

- Writing basic feature tests for e-commerce functionality
- Using factories and seeders to generate test data

17. **Class 17: Debugging & Error Handling**

- Debugging tools (Laravel Debugbar, Telescope overview)
- Custom error pages and handling exceptions

Module 4: Advanced Topics (Classes 18-25)

18. **Class 18: Advanced Eloquent Relationships**

- Many-to-Many relationships (e.g. products & tags)
- Polymorphic relationships
- Pivot tables

19. **Class 19: Advanced Query Building**

- Query builder techniques
- Raw queries and subqueries

20. **Class 20: API Authentication & Security**

- API token authentication (sanctum)
- Rate limiting APIs
- Securing API endpoints

21. **Class 21:** Performance Optimization

- Caching views, queries, and routes
- Database query optimization

22. **Class 22:** Deployment & Production Readiness

- Preparing Laravel app for production
- Deploying on popular platforms (Forge, shared hosting, VPS)
- Managing environment variables securely

23. **Class 23:** Security Best Practices

- Preventing common vulnerabilities (SQL injection, XSS, CSRF)
- Password hashing and encryption

24. **Class 24:** Localization & Internationalization

- Language files and switching locales
- Localization of dates and messages

25. **Class 25:** Getting Placement

- How to market yourself as a Laravel developer
- Finding remote and local Laravel job opportunities
- Best freelancing platforms and strategies for Laravel projects
- Creating a standout portfolio and resume for Laravel roles
- Interview preparation and client communication tips
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Module 5: Environment Setup & Course Wrap-up (Classes 26-32)

26-31. Classes 26-31: Capstone Project: Finalize & Enhance E-Commerce App

- Refining features
- Adding Vue.js interactivity
- Testing and debugging
- Adding notifications
- Deployment preparation

32. Class 32: Setting up Development Environment & Course Review

- Laravel Sail, Homestead, Valet setup and pros/cons
- Recap of course concepts
- Q&A and next steps for mastery

