



4. Web Development

4.4 Laravel

Prerequisites:

1. Core/Advance PHP
2. OOPs
3. HTML, CSS & JavaScript

Duration: 30 Lectures

Course Content:

1. Introduction

- 1.1. Brief History
- 1.2. Advantages
- 1.3. Getting started with Laravel
- 1.4. Laravel MVC
- 1.5. Laravel routing

2. Essentials

- 2.1. Installing Composer and command line tool
- 2.2. Blade essentials
- 2.3. Resource controllers
- 2.4. Laravel Route groups and Filters
- 2.5. Models
- 2.6. Views
- 2.7. Controllers

3. Database

- 3.1. Working with database



- 3.2. Eloquent CRUD
- 3.3. Query builder
- 3.4. Eloquent relations
- 3.5. Migrations
- 3.6. Database seeding

4. Forms and validations

- 4.1. Setting up Laravel form
- 4.2. Validating a form
- 4.3. Creating Admin Post Resource
- 4.4. Creating a front end
- 4.5. Setting up the blog
- 4.6. Securing the admin panel
- 4.7. Handling Routing
- 4.8. Establishing an HTML view

5. Tables and Templates

- 5.1. Creating tables with schema Builder
- 5.2. Enabling version control with migrations
- 5.3. Querying with eloquent ORM
- 5.4. Displaying Laravel code
- 5.5. Working with Blade templates

6. Conditions and Validations

- 6.1. Defining conditions
- 6.2. Integrating form elements
- 6.3. Setting up authentication
- 6.4. Creating a registration form
- 6.5. Securing content

7. Testing

- 7.1. Testing Laravel code



- 7.2. Setting up PHPUnit
- 7.3. Running a initial test

7.4. Handling framework assertions

8. Application

- 8.1. Building a Laravel application
- 8.2. Authenticating users in Laravel application
- 8.3. Deploying Laravel code in application

9. Crud operations

- 9.1. Console base crud operations
- 9.2. Like add/update/delete with example module (testimonial)

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