BOARD INFINITY

COURSE 3 OF 3 · FULL-STACK WEB DEVELOPMENT SPECIALIZATION

PHP Mastery: Build Web Apps

Full course syllabus - every module, video lesson, reading and assignment, from PHP fundamentals to secure Laravel apps and RESTful APIs.

Board Infinity
Instructor · Offered on Coursera

3	26	9	1 week
Modules	Video lessons	Assignments	At 10 hours a week

INSIDE THE COURSE

01	Introduction to PHP	4 hours to complete
02	Building Web Applications Using PHP & Laravel	4 hours to complete
03	Integrating PHP with Laravel	4 hours to complete

Enroll on Coursera

https://www.coursera.org/learn/php-mastery-build-web-apps

01 ABOUT THE COURSE

From PHP basics to secure Laravel apps.

PHP Mastery: Build Web Apps takes you from PHP fundamentals to complete, database-driven web applications. Across three modules you learn the language, build MVC apps with Laravel, and secure them while exposing RESTful APIs - with Laravel running through the whole course.

Everything is delivered through short video lectures, coding demos, readings and graded quizzes - 26 videos, 6 readings and 9 assignments in all. It is a beginner-level course that starts from PHP's basic syntax.

WHO IT'S FOR

Back-end developers
Adding PHP and Laravel to their server-side toolkit.

Full-stack developers
Pairing front-end skills with a PHP back end.

Freelance developers
Building database-driven client sites and apps.

Career switchers
Starting from PHP basics and finishing with Laravel.

WHAT YOU'LL LEARN

01 **Understand PHP and Laravel** Module 1
Understand PHP fundamentals and modern framework architecture, and set up a Laravel development environment

02 **Build dynamic MVC apps** Module 2
Create dynamic web applications with routing, controllers, views, Blade templates and the MVC pattern

03 **Implement secure data-driven apps** Modules 2-3
Use migrations and Eloquent ORM with authentication, middleware, CSRF protection and input validation

04 **Build RESTful APIs** Module 3
Develop RESTful APIs in Laravel with API controllers, functions and validation, using external PHP libraries

02 SYLLABUS

Three modules, one full PHP stack.

1 week to complete at 10 hours a week. Flexible schedule - learn at your own pace.

01 Introduction to PHP

PHP fundamentals, and getting started with the Laravel framework

4 hours
8 videos

BY THE END OF THIS MODULE YOU CAN

- Explain PHP's history and its role in web development
- Write PHP using basic and advanced syntax, loops and functions
- Install Laravel and set up a development environment
- Navigate the structure of a Laravel project

CONTENTS: 8 videos (40 min) · 2 readings (60 min) · 3 assignments (90 min) · 1 discussion prompt (10 min) · 2 plugins (30 min)

DISCUSSION: Your First Step Into PHP Development (10 min)

TOPICS: Fundamentals of PHP · Laravel Framework · Introduction to PHP (plugin) · Quick Course Check-In (plugin)

You'll leave with: a working grasp of PHP and a Laravel development environment ready to build on.

02 Building Web Applications Using PHP & Laravel

Routing and MVC, migrations and Eloquent, middleware, authentication, Blade

4 hours
9 videos

BY THE END OF THIS MODULE YOU CAN

- Define routes and build controllers and views in the MVC pattern
- Manage your schema with migrations and query data with Eloquent ORM
- Protect routes with middleware and add user authentication
- Build reusable layouts with the Blade templating system

CONTENTS: 9 videos (72 min) · 2 readings (60 min) · 3 assignments (90 min)

TOPICS: Laravel Basics · Laravel Advance Concepts

You'll leave with: the ability to build a database-driven Laravel app with routes, models, views and logged-in users.

03

Integrating PHP with Laravel

PHP libraries, CSRF and session security, validation and RESTful APIs

4 hours

9 videos

BY THE END OF THIS MODULE YOU CAN

- ✓ Bring external PHP libraries into a Laravel project
- ✓ Protect apps with CSRF protection and secure sessions
- ✓ Validate user input before it reaches your application
- ✓ Build RESTful APIs with API controllers, functions and validation

CONTENTS: 9 videos (46 min) · 2 readings (60 min) · 3 assignments (90 min) · 1 discussion prompt (10 min) · 1 plugin (15 min)

DISCUSSION: How Do Apps Talk to Each Other? (10 min)

TOPICS: PHP in Laravel | API Development in Laravel | Integrating PHP with Laravel (plugin)

You'll leave with: a secure Laravel app that exposes a validated RESTful API other applications can call.

03 TOOLS & SKILLS

The tools that run through the course.

PHP

Core theme

The server-side language: syntax, loops, functions and its role on the web.

In this course: Module 1 goes from PHP's history to basic and advanced syntax.

Laravel & MVC

Framework

Routing, controllers and views, organized with the MVC pattern.

In this course: Laravel is set up in Module 1 and used through every module after.

Eloquent, migrations & Blade

Data & views

Database migrations, the Eloquent ORM and Blade templates.

In this course: Module 2 builds a database-driven app with authentication.

Security & RESTful APIs

Security & APIs

CSRF protection, session security, input validation and API controllers.

In this course: Module 3 secures the app and exposes a validated RESTful API.

SKILLS YOU LEAVE WITH

PHP foundations

- PHP syntax
- Loops & functions
- PHP's role on the web
- Laravel setup & structure

Laravel apps

- Routing & controllers
- MVC with views & Blade
- Migrations & Eloquent ORM
- Middleware & authentication

Security & APIs

- CSRF & session security
- Input validation
- RESTful API design
- API controllers & validation

04 CERTIFICATE & CAREER

Finish with a shareable certificate.

Add it to LinkedIn

Add this credential to your LinkedIn profile, resume, or CV.

Share it anywhere

Share it on social media and in your performance review.

Earned, not attended

Awarded on completion of the graded quizzes in all three modules.

Course 3 of 3

Completes the Full-Stack Web Development Specialization.

ROLES THESE SKILLS SUPPORT

PHP Developer · Laravel Developer · Back-End Developer · Full-Stack Developer · API Developer · Freelance Web Developer



Board Infinity

Instructor · Offered on Coursera

Beginner level · Taught in English · 11 languages available · Flexible schedule

Ready to build with PHP?

Enrollment, lessons, grading and the certificate all happen on Coursera.

Enroll on Coursera

Course page:
coursera.org/learn/php-mastery-build-web-apps

Want a coach alongside the course?

Board Infinity 1:1 coaching is a separate, optional Board Infinity offering - it is not part of the Coursera course.
Details: https://www.boardinfinity.com/career-coaching/

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