

MASTERING SYMFONY 4 BLENDED LEARNING TRAINING PROGRAM

In 2 days only, you will learn how to master some of the most advanced and key topics of the Symfony 4 framework. This training course focuses on mastering the framework configuration thanks to the dependency injection service container and bundles' specific configuration. You will also learn how to design and validate forms as well as implementing your custom validation rulesets. This workshop also dives into some authentication and authorization mechanisms.

Requirements: Mastering Symfony 4 Basics

Learning materials

SensioLabs University has designed the best Symfony training experience by combining in-class sessions and eLearning. In addition to training sessions, access **our eLearning platform** for 1 month to mix various learning practices, validate your skills, track your progress and stay in touch with your trainer throughout the program.

The course materials will be available within the personal space of each participant. SensioLabs trainers are Symfony certified and practice continuous monitoring during face-to-face training. Computers are available to participants on request.

Learn Symfony with Symfony certified trainers and the SensioLabs University eLearning platform:



Platform available at
any time



Read and download your
course materials



Additional resources:
exercises, videos, test...



Online chat with
your trainer

Program

INTERACTING WITH A SQL RELATIONAL DATABASE

- Installing and configuring the Doctrine ORM
- Establishing an object-relational mapping with entity classes
- Linking entities together thanks to relationships mapping
- Persisting object entities into the SQL database
- Building dynamic SQL queries thanks to the Doctrine Query Builder object
- Extracting entities from the database
- Hosting custom SQL queries in Doctrine repositories objects
- Encapsulating entities related domain logic into entity classes

GOING FURTHER WITH FORMS

- Designing and processing forms
- Rendering configurable forms with the options system
- Triggering custom specific logic when form events arise
- Customizing the rendering of a Symfony form with form themes
- Applying data custom validation logic
- Triggering validation rules according to the form context

PERPETUATING THE APPLICATION WITH AUTOMATED TESTS

- Discovering the PHPUnit unit testing framework
- Understanding the pros of automating tests
- Configuring a unit tests suite
- Creating and executing a unit tests suite
- Creating and executing a functional tests suite
- Generating code coverage report

OUTSOURCING THE BUSINESS LOGIC INTO SERVICES

- Understanding the dependency injection principle
- Introducing the Symfony service container
- Listing all existing Symfony framework services
- Registering new business services into the container
- Configuring services with global parameters
- Leveraging the services auto-registration mechanism
- Adapting services configuration manually when needed

DECOUPLING CODE WITH EVENT PROGRAMMING

- Introduction to the Mediator design pattern and its implementation in Symfony (the Event Dispatcher)
- Discovering the built-in Symfony kernel events
- Executing custom code whenever an event occurs in the framework
- Propagating custom business events through the service layer
- Connecting custom event listeners / subscribers on the business code

SECURING ACCESS TO THE APPLICATION PROTECTED PAGES

- Introduction to authentication and authorization principles
- Securing a Web site with a traditional login form authentication
- Setting up a form authentication system with the Guard component
- Establishing a security policy based on users' permissions
- Registering custom authorization rules thanks to voters

Symfony 4 Fullstack

Daily test

Question 1 / 20

Started 22 days ago

VCS Files

Symfony > Components > Finder

By default, the Finder ignores popular VCS files, what is the method to use them?

Choices

- `$finder->ignoreVCS(false);`
- `$finder->enableVCS();`
- `$finder->ignoreFiles(array('vcs' => false));`
- `$finder->enableVCSFiles();`
- `$finder->useTypes(array('vcs' => true);`

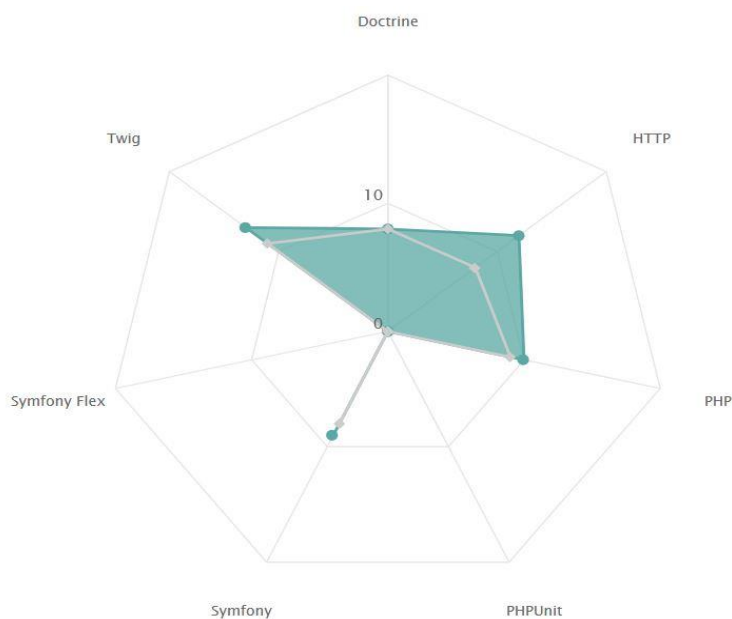
Submit answer

DAILY TESTS

- Test yourself once a day on a 20 question multiple choice quiz.
- Find a database of more than 1,200 questions on PHP, object-oriented programming, Doctrine, Twig...

SKILLS RADAR GRAPH

- Follow your level on each theme and component of Symfony.
- Find the results of your skills on each test in the form of a matrix
- Visualize the topics on which you still need to make progress.



Details

Duration: 2 days – 14 hours

Price: €1,290.00 / person

Code: SF4C2

Public: PHP web developers

Sign up

New sessions are announced on training.sensiolabs.com/en/ or you can register by sending us an email at training@sensiolabs.com.

