Instant Hands-on Testing With PHPUnit How-to

Synopsis

A practical guide to getting started with PHPUnit to improve code quality with this book and ebook Overview Learn something new in an Instant! A short, fast, focused guide delivering immediate results Discover how to make best use of PHPUnit in your projects Get started with code testing using PHPUnit in no time Learn how to use PHPUnit like a seasoned veteran In Detail No developer wants to accept the inherent difficulty of writing software as an excuse for not finding the bugs in our code before anyone else does. PHPUnit is a framework that was created to allow developers to solve that very problem. It provides a feature-rich environment with most of the tools necessary to provide adequate tests for any project. "Instant Hands-on Testing with PHPUnit How-to" provides a thorough overview of the functionality provided by the PHPUnit framework. It shows how the plethora of features in the framework can be used to write tests for real world projects to ensure they function and will continue to function in the ways that you expect. This book will show how you can set up the scaffolding necessary to run unit tests in your project with PHPUnit. It will walk you through the process of how to write a basic test and how to maintain your project’s test suite. You will learn how to use some of the more advanced features of PHPUnit and then see how you can use mock objects to isolate the code you are testing. We will then discover how to create tests that verify your interaction with databases and even see how you can use PHPUnit to understand which code you are actually testing. At the end of the book you will have all of the basic understanding necessary to begin adding tests to your project. This book provides a great foundation for becoming a expert at writing unit tests. What you will learn from this book Bootstrap PHPUnit into your project in a standard way Understand the anatomy of a PHPUnit test Create data providers to quickly create tests against multiple datasets Use PHPUnit’s skeleton generator to generate code from tests or tests from code Declare test dependencies to help isolate test failures Test abstract classes, traits, and protected methods Test database interactions in your unit tests Approach Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. This is a Packt Instant How-to guide, which provides concise and clear recipes for getting started with PHPUnit for performing code testing and improving code quality. Who this book is written for "Instant Hands-on Testing with PHPUnit How-to" is for PHP developers that have an appreciation for writing accurate code. If you are new to PHPUnit, it will give you a solid foundation for understanding how to use PHPUnit to write tests for your projects. If you already have a cursory understanding of PHPUnit it will whet your appetite for some of the more difficult-to-understand concepts in PHPUnit.

Book Information

Customer Reviews

Overall, this is a pretty good book, and covers all of the topics one would expect from a Unit Testing book. Such topics include getting PHPUnit installed via PEAR, writing and running some basic tests, doing some configuration of PHPUnit, how to incorporate PHPUnit into your project, how to generate PHPUnit tests semi-automatically using an existing codebase, fixtures and providers and mock objects, how to setup test dependencies, testing abstract classes and traits, how to expect good exceptions and errors, using output buffering for the purpose of testing CLI scripts, how one tests private and protected members, testing database connections, and making sense of the automatically generated code coverage HTML.The book flows from subject to subject smoothly, with each new topic building on the knowledge of previous topics, without ever introducing the reader to an overly-complex topic. The reader is guided along with concise code examples and explanations of why everything is happening. The author also covers alternative libraries for making Unit Testing easier whenever possible, most notably when covering different mocking frameworks such as Mockery or the authors very-own Phake. Another appreciated set of alternatives include using SQLite for keeping track of data and how the same thing can be done with XML or YAML.One thing I did wish the book covered more is the why behind Unit Testing, and how to get the reader into the Test Driven Development (TDD) mindset, however this is undoubtedly outside of the scope of a book in the Packt Instant series. Personally, I find myself lacking in the Unit Testing department.

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