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About the Author

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Vladimir Khorikov is an author, blogger, and Microsoft MVP. He has mentored numerous teams on the ins and outs of unit testing. Table of Contents: PART 1 THE

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As Python continues to

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grow in popularity,
projects are becoming
larger and more complex.
Many Python developers
are now taking an
interest in high-level
software design patterns

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such as hexagonal/clean architecture, event-driven architecture, and the strategic patterns prescribed by domain-driven design (DDD). But translating those

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patterns into Python isn't always straightforward. With this hands-on guide, Harry Percival and Bob Gregory from MADE.com introduce proven

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architectural design
patterns to help Python
developers manage
application
complexity—and get the
most value out of their
test suites. Each

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pattern is illustrated with concrete examples in beautiful, idiomatic Python, avoiding some of the verbosity of Java and C# syntax. Patterns include: Dependency

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inversion and its links
to ports and adapters
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and aggregates
Repository and Unit of
Work patterns for
persistent storage
Events, commands, and
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segregation (CQRS) Event-driven architecture and reactive microservices
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pragmatic,
straightforward, and
empirical method to plan
and perform non-trivial
technical improvements
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set of easy-to-implement rules. You carefully extract each intertwined dependency until you expose the central issue, without collapsing the project.

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About the Book The
Mikado Method presents a
pragmatic process to
plan and perform
nontrivial technical
improvements on an
existing software

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system. The book helps you practice a step-by-step system for identifying the scope and nature of your technical debt, mapping the key dependencies,

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and determining a safe way to approach the "Mikado"—your goal. A natural by-product of this process is the Mikado Graph, a roadmap that reflects deep

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understanding of how your system works. This book builds on agile processes such as refactoring, TDD, and rapid feedback. It requires no special

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and Daniel Brolund are
developers, coaches, and
team leaders. They

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developed the Mikado
Method in response to
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showing you how to
install and configure
the environment,
required software, and
tools to create RESTful
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framework. We then move on to working with advanced serialization and migrations to interact with SQLite and non-SQL data sources. We will use the features

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included in the Django REST framework to improve our simple web service. Further, we will create API views to process diverse HTTP requests on objects, go

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through relationships
and hyperlinked API
management, and then
discover the necessary
steps to include
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and APIs. We will also apply throttling rules and run tests to check that versioning works as expected. Next we will run automated tests to improve code coverage.

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build RESTful web
services with Django.
What you will learn The
best way to build a
RESTful Web Service or

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APIs from scratch with
Django and the Django
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application requirements
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and extensions to
perform common tasks
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guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design

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Scientific Programmer at the University of Arizona. He has an MS in Biosystems Engineering and has been programming for over 20 years. Table of Contents 1 How to write and test a Python program 2 The crow ' s nest: Working with strings 3 Going on a picnic: Working with lists 4 Jump the

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