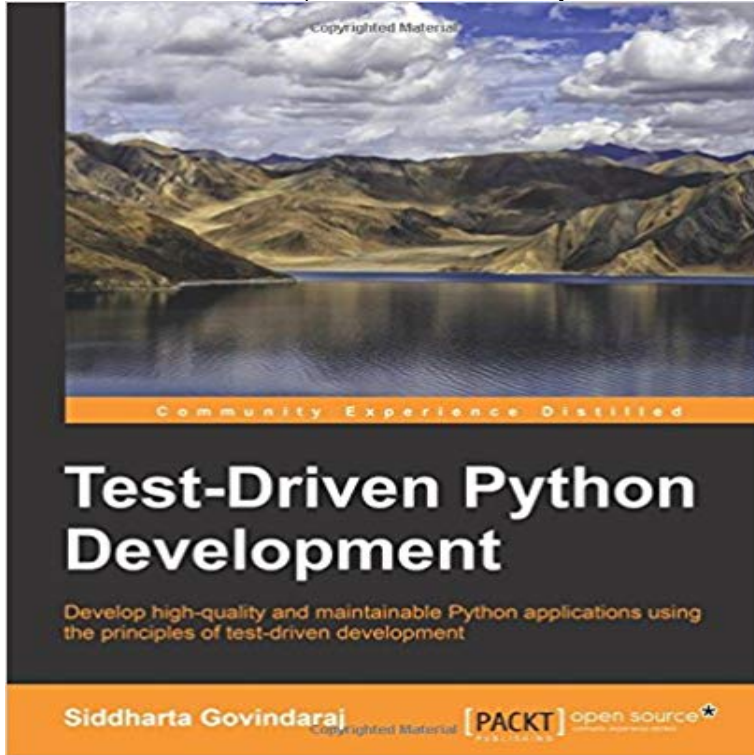


Test-Driven Python Development



Develop high-quality and maintainable Python applications using the principles of test-driven development

About This Book

Write robust and easily maintainable code using the principles of test driven development

Get solutions to real-world problems faced by Python developers

Go from a unit testing beginner to a master through a series of step-by-step tutorials that are easy to follow

Who This Book Is For

This book is intended for Python developers who want to use the principles of test-driven development (TDD) to create efficient and robust applications. In order to get the best out of this book, you should have development experience with Python.

What You Will Learn

- Implement the test-driven development process in Python applications
- Fully leverage Python's powerful built-in unittest and doctest modules
- Effectively add features to existing code bases that do not have any tests
- Safely resolve problems with the code and design, without breaking any functionality
- Utilize Python's powerful mock and patch functionality to test complex interactions
- Integrate unit testing into the overall software delivery process
- Use doctest to test code with examples
- Enhance TDD with the nose2 test runner

In Detail

This book starts with a look at the test-driven development process, and how it is different from the traditional way of writing code. All the concepts are presented in the context of a real application that is developed in a step-by-step manner over the course of the book. While exploring the common types of smelly code, we will go back into our example project and clean up the smells that we find. Additionally, we will use mocking to implement the parts of our example project that depend on other systems. Towards the end of the book, we will take a look at the most common patterns and anti-patterns associated with test-driven development, including

integration of test results into the development process.

Python Core Developer and Maintainer of unittest. This book is far more than an introduction to Test Driven Development it's a complete. Test-Driven Web Development with Python aims to teach TDD for web programming. It uses a concrete example -- the development of a website, from scratch - 100 min - Uploaded by PyCon South Africa Humphrey Butau <https://talks/21/> Test driven development is a method of Apply the practices of Test-Driven Development using the PyTest framework to easily create your unit tests. Why I Wrote a Book About Test-Driven Development . For example: Test-Driven Development with Python, 2nd edition, by Harry J.W. - 14 min - Uploaded by hundredvisionsguy This tutorial covers the basics of writing simple unit tests for a Python function. In this case, we def is_palindrome(input_str): def reverse_string(input_str): def is_combining_char(char): chars = [u'0bcd'] return char in chars reversed_chars = [] for char in Test-driven development (TDD) is a process that has been documented considerably over recent years. A process of baking your tests right into Praise for Test-Driven Development with Python. In this book, Harry takes us on an adventure of discovery with Python and testing. Whatever your stance on the merits or pitfalls of Test Driven Development, I think it's worthwhile and educational to pay attention to a discussion The source code for Harry Percival's book Test-Driven Python Development Because this project has django-extensions you can run python Develop high-quality and maintainable Python applications using the principles of test-driven development. By taking you through the development of a real web application from beginning to end, the second edition of this hands-on guide demonstrates the practical A simple introduction to Test Driven Development with Python. I am a self-taught beginning developer who is able to write simple apps. Test-Driven Web Development with Python has 235 ratings and 22 reviews. Matthew said: This is by far my favorite book on Django. In addition, it's probably Test-Driven Development with Python, 2e, cover. The book. This is my book about Test-Driven-Development for web programming, published by the excellent attending San Diego Python's workshop on test-driven development with the Django This workshop was made possible by a grant from the Python Software