

Flask Web Development Developing Applications With Python Miguel Grinberg

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Flask Web Development: Developing Web Applications with ...
Flask Web Development: Developing Web Applications with Python eBook: Grinberg, Miguel: Amazon.co.uk: Kindle Store

Flask Web Development: Developing Web Applications with ...
Official description. Take full creative control of your web applications with Flask, the Python-based microframework. With the second edition of this hands-on book, you'll learn Flask from the ground up by developing a complete, real-world application created by author Miguel Grinberg. This refreshed edition accounts for important technology changes that have occurred in the past three years.

Flask Web Development: Developing Web Applications with Python
You are already familiar with the flask run command, which, as its name implies, runs the application with the development web server. This command has many options: (venv) \$ flask run --help Usage: flask run [OPTIONS] Runs a local development server for the Flask application.

Flask Web Development: Developing Web Applications with ...
It makes the process of designing a web application simpler. Flask lets us focus on what the users are requesting and what sort of response to give back. Learn more about micro frameworks. How Does a Flask App Work? The code lets us run a basic web application that we can serve, as if it were a website.

How to build a web application using Flask and deploy it ...
Flask is a Python micro-framework for web development. Flask is easy to get started with and a great way to build websites and web applications.

Flask Web Development. Developing Web Applications with ...
Flask is a Python framework for creating web applications. From the official site, Flask is a microframework for Python based on Werkzeug, Jinja 2 and good intentions. When we think about Python, the de facto framework that comes to our mind is the Django framework. But from a Python beginner's perspective, Flask is easier to get started with, when compared to Django.

Creating a Web App From Scratch Using Python Flask and MySQL
Flask Web Development Developing Web Applications with Python Take full creative control of your web applications with Flask, the Python-based microframework. With this hands-on book, you'll learn Flask from the ground up by developing a complete social blogging application step-by-step.

FlaskBook.com
Take full creative control of your web applications with Flask, the Python-based microframework. With the second edition of this hands-on book, you'll learn Flask from the ground up by developing a complete, real-world application created by author Miguel Grinberg.

Flask Web Development: Developing Web Applications with ...
This tutorial discusses some more common patterns that you will find in almost all the web applications today and are nice to have in the kit of a web developer. Flask Login Example. A web application usually requires Users to register and access the restricted part of the application based on the assigned privileges.

Flask Design Patterns And Best Practices For Web Applications
Part 1. Introduction to Flask, explores the basics of web application development with the Flask framework and some of its extensions: • Chapter 1 describes the installation and setup of the Flask framework. • Chapter 2 dives straight into Flask with a basic application. • Chapter 3 introduces the use of templates in Flask applications. •

Flask Web Development - Coddy School
Flask Web Development: Developing Web Applications with Python, Edition 2. Take full creative control of your web applications with Flask, the Python-based microframework. With the second edition...

Flask Web Development: Developing Web Applications with ...
Part 1 - Flask Fundamentals Utilize Python 3 and Flask to create a web application Create view functions for handling requests to specific URLs (routes) Utilize the Jinja templating engine to add logic when generating HTML Process form data in a view function using the request proxy Store and ...

Developing Web Applications with Python and Flask ...
The goal of the Build a SAAS App with Flask course is to get you comfortable developing web applications with Flask. It's not limited specifically to building software as a service applications.

Learn to Build Web Applications with Flask and Docker
Take full creative control of your web applications with Flask, the Python-based microframework. With this hands-on book, you'll learn Flask from the ground up by developing a complete social blogging application step-by-step.

Flask Web Development: Developing Web Applications with ...
Flask is a small and lightweight Python web framework that provides useful tools and features that make creating web applications in Python easier. It gives developers flexibility and is a more accessible framework for new developers since you can build a web application quickly using only a single Python file.

Create a web application with python + Flask + PostgreSQL ...
Flask Web Development: Developing Advanced Web Applications with Python: Grinberg, Miguel: Amazon.sg: Books

Take full creative control of your web applications with Flask, the Python-based microframework. With the second edition of this hands-on book, you'll learn the framework from the ground up by developing, step-by-step, a real-world project created by author Miguel Grinberg. This refreshed edition accounts for important technology changes that have occurred in the past three years. You'll learn the framework's core functionality, as well as how to extend applications with advanced web techniques such as database migration and web service communication. The first part of each chapter provides you with reference and background for the topic in question, while the second part guides you through a hands-on implementation of the topic. If you have Python experience, this book shows you how to take advantage of the creative freedom Flask provides.

Learn to build modern, secure, highly available web MVC applications and API's using Python's Flask framework. Key Features Create production-ready MVC and REST API with the dynamic features of Flask Utilize the various extensions like Flask-JWT and Flask-SQLAlchemy to develop powerful applications Deploy your flask application on real-world platforms like AWS and Heroku on VM's or Docker containers Book Description Flask is a popular Python framework known for its lightweight and modular design. Mastering Flask Web Development will take you on a complete tour of the Flask environment and teach you how to build a production-ready application. You'll begin by learning about the installation of Flask and basic concepts such as MVC and accessing a database using an ORM. You will learn how to structure your application so that it can scale to any size with the help of Flask Blueprints. You'll then learn how to use Jinja2 templates with a high level of expertise. You will also learn how to develop with SQL or NoSQL databases, and how to develop REST APIs and JWT authentication. Next, you'll move on to build role-based access security and authentication using LDAP, OAuth, OpenID, and database. Also learn how to create asynchronous tasks that can scale to any load using Celery and RabbitMQ or Redis. You will also be introduced to a wide range of Flask extensions to leverage technologies such as cache, localization, and debugging. You will learn how to build your own Flask extensions, how to write tests, and how to get test coverage reports. Finally, you will learn how to deploy your application on Heroku and AWS using various technologies, such as Docker, CloudFormation, and Elastic Beanstalk, and will also learn how to develop Jenkins pipelines to build, test, and deploy applications. What you will learn Develop a Flask extension using best practices Implement various authentication methods: LDAP, JWT, Database, OAuth, and OpenID Learn how to develop role-based access security and become an expert on Jinja2 templates Build tests for your applications and APIs Install and configure a distributed task queue using Celery and RabbitMQ Develop RESTful APIs and secure REST API's Deploy highly available applications that scale on Heroku and AWS using Docker or VMs Who this book is for This book would be Python developers who want to use Flask and its advanced features to create Enterprise grade and lightweight applications. The book is for those who have some exposure of Flask and want to take it from introductory to master level.

Market Desc: Both undergraduate and masters course students taking modules with titles such as Website Development and Internet Programming. Programmers migrating to the web and general readership interested in developing applications which spread over several technologies. Special Features: · Students will need little previous programming experience. · Includes HTML, CSS and Cookies/Session, JavaScript, DHTML, XML and XSL/T. · Also includes strong and timely coverage of new and important areas such as PHP5, MySQL and mobile technologies. · Focuses on open source and freely available software for use, including Apache server, PHP and MySQL. · Defines the surrounding context allowing students to see how the technologies fit together rather than existing as isolated units. · Strong pedagogical features including workshops and exercises, ultimately leading to the creation of a number of applications at the book's end, which depend upon the student's ingenuity to complete. · Encourages a creative rather than a formal approach to developing applications. · Includes topics such as Website Design Issues, Planning a Website Navigation. · A chapter introducing CGI and Perl Programming. About The Book: Developing Web Applications presents script writing and good programming practice but also allows students to see how the individual technologies fit together. It includes recent technical developments to provide a practical and modern introduction to building web applications.Assuming no prior programming experience, this concise, accessible book ensures that essential concepts on the client side are quickly grasped, and goes on to examine the server environment and available languages, including discussion of dynamic, modern scripting languages such as PHP. Network and security issues are also discussed. The aim of this book is to deliver exactly what is needed to start producing working applications as soon as possible -- and have fun along the way.Ideal for course use or self-study, this book includes practical suggestions for mini-projects which encourage the reader to explore his or her own imaginative solutions, as well as more theoretical end-of-chapter questions. It can also easily be used as a reference work as each section is self-contained, amplifying the key aspects of its particular topic. Most software covered is freely available in the public domain and no particular development environments are required. It is a direct, contemporary and extremely useful resource for anyone interested in learning how to program applications for the World Wide Web.

Flask is a powerful web framework that helps you build great projects using your favorite tools. Flask takes the flexible Python programming language and provides a simple template for web development. Once imported into Python, Flask can be used to save time building web applications. It goes against the flow with the microframework concept, leaving most of the architecture choices to the developer. Through its great API, extensions, and powerful patterns, Flask helps you create simple projects in minutes and complex ones as soon as possible. From the beginning, Building Web Applications with Flask shows you how to utilize Flask's concepts, extensions, and components to create engaging, full-featured web projects. You'll learn how to properly handle forms using WForms, devise convenient templates with Jinja2 tags and macros, use NoSQL and SQL databases to store user data, test your projects with features and unit tests, create powerful authentication and user authorization, as well as administrative interfaces with ease, and more. As Flask does not enforce an architectural recipe, neither do we! This book makes no coding assumptions on how you should code, leaving you free to experiment.

Unleash the full potential of the Flask web framework by creating simple yet powerful web applications About This Book The most up-to-date book on Flask on the market Create your own world-class applications and master the art of Flask by unravelling its enigma through this journey This step-by-step tutorial is packed with examples on blending different technologies with Flask to get you up and running Who This Book Is For Have you looked at PHP and hated the clunky bloated syntax? Or looked at .Net and wished it was more open and flexible? Maybe you've tried your hand at GUI libraries in Python and found them hard to use? If your answer to any one of these questions is a yes, then this is just the book for you. It is also intended for people who know the basics of Python and want to learn how to use it to build powerful solutions with a web front-end. What You Will Learn Build three web applications from the ground up using the powerful Python micro framework, Flask. Dynamically display data to your viewers, based on their requests Store user and static data in SQL and NoSQL databases and use this data to power your web applications Create a good user experience by combining HTML, CSS, and JavaScript Harness the convenience of freely available APIs, including OpenWeatherMap, Open Exchange Rates, and bitly Extend your applications to build advanced functionality, such as a user account control system using Flask-Login Learn about web application security and defend against common attacks, such as SQL injection and XSS In Detail This book will take you on a journey from learning about web development using Flask to building fully functional web applications. In the first major project, we develop a dynamic Headlines application that displays the latest news headlines along with up-to-date currency and weather information. In project two, we build a Crime Map application that is backed by a MySQL database, allowing users to submit information on and the location of crimes in order to plot danger zones and other crime trends within an area. In the final project, we combine Flask with more modern technologies, such as Twitter's Bootstrap and the NoSQL database MongoDB, to create a Waiter Caller application that allows restaurant patrons to easily call a waiter to their table. This pragmatic tutorial will keep you engaged as you learn the crux of Flask by working on challenging real-world applications. Style and approach This book will provide you with rich, practical experience of Flask. Every technology, that is employed along with Flask is comprehensively introduced, while the book focusses on developing web applications. Pointers to educational material are always given if you want to gain in-depth knowledge of the various technologies used.

A practical guide for the rapid web application development with Flask KEY FEATURESÉ Expert-level coverage of core capabilities of Flask, key extensions and its implementation.É Explore the Werkzeug toolkit andé Jinja Template engine and see how Flaské interacts with JavaScript and CSS. É Detailed modules on building and deploying RESTful applications using Flask. É DESCRIPTIONÉ This book teaches the reader the complete workflow of developing web applications using Python and its most outperforming microframework, Flask. The book begins with getting you up to speed in developing a strong understanding of the web application development process and how Python is used in developing the applications. You will learn how to write your own first Flask-based web application in Python. You will learn about web gateway interfaces, including CGI and WSGI along with various tools like the Jinja 2 engine, Werkzeug toolkit, and Click toolkit.É You will learn and practice the core features of Flask such as URL routing, rendering, handling static assets of a web application, how to handle cookies and sessions, and other HTTP objects. Once you have developed a strong knowledge of Flask, you will now dive deeper into advanced topics that includes Flask extensions for working with relational and NoSQL databases, Flask WTF, and Flask-Bootstrap. You will explore design patterns, various blueprints on how to build modular and scalable applications, and finally how to deploy the RESTful APIs successfully on your own. WHAT YOU WILL LEARNÉ Get to know everything about the core capabilities of Flask. É Understand the basic building blocks of Flask. É Get familiar with advanced features of Flask, including blueprints, Flask extensions, and database connectivity. É Get ready to design your own Flask-based web applications and RESTful APIs. É Learn to build modular and scalable applications and how to deploy them successfully. WHO THIS BOOK IS FORÉÉ This book is ideal for Python enthusiasts, open source contributors, and web app developers who intend to add Python web technologies in their skillsets and startup companies. The understanding of the core Python language with intermediate level expertise is required and experience of working with SQL, HTML, CSS, and JavaScript is an added advantage. TABLE OF CONTENTS 1. Python for CGI 2. WSGI 3. Flask Fundamentals 4. URL Routing 5. Rendering Templates 6. Static Files 7. HTTP Objects 8. Using Databases 9. More Flask Extensions 10. Blueprints and Contexts 11. Web API with Flask 12. Deploying Flask Applications 13. Appendix

If you are a web developer who wants to learn more about developing applications in Flask and scale them with industry-standard practices, this is the book for you. This book will also act as a handy tool if you are aware of Flask's major extensions and want to make the best use of them. It is assumed that you have knowledge of Python and a basic understanding of Flask. If you are completely new to Flask, reading the book from the first chapter and going forward will help in getting acquainted with Flask as you go ahead.

Learn all that's needed to build a fully functional web application from scratch. Key Features Delve deep into the principle behind RESTful API Learn how to build a scalable web application with the RESTful API architecture and Flask framework Know what are the exact tools and methodology to test your applications and how to use them Book Description Python is a flexible language that can be used for much more than just script development. By knowing the Python RESTful APIs work, you can build a powerful backend for web applications and mobile applications using Python. You'll take your first steps by building a simple API and learning how the frontend web interface can communicate with the backend. You'll also learn how to serialize and deserialize objects using the marshmallow library. Then, you'll learn how to authenticate and authorize users using Flask-JWT. You'll also learn how to enhance your APIs by adding useful features, such as email, image upload, searching, and pagination. You'll wrap up the whole book by deploying your APIs to the cloud. By the end of this book, you'll have the confidence and skill to leverage the power of RESTful APIs and Python to build efficient web applications. What you will learn Understand the concept of a RESTful API Build a RESTful API using Flask and the Flask-RESTful extension Manipulate a database using Flask-SQLAlchemy and Flask-Migrate Send out plaintext and HTML format emails using the Mailgun API Implement a pagination function using Flask-SQLAlchemy Use caching to improve API performance and efficiently obtain the latest information Deploy an application to Heroku and test it using Postman Who this book is for This book is ideal for aspiring software developers who have a basic-to-intermediate knowledge of Python programming and who want to develop web applications using Python. Knowledge of how web applications work will be beneficial but is not essential.

Flask is a powerful web framework that helps you build great projects using your favorite tools. Flask takes the flexible Python programming language and provides a simple template for web development. Once imported into Python, Flask can be used to save time building web applications. It goes against the flow with the microframework concept, leaving most of the architecture choices to the developer. Through its great API, extensions, and powerful patterns, Flask helps you create simple projects in minutes and complex ones as soon as possible. What You Will Learn · Introduction to Python-Flask Webapp Framework · Getting Started with Python-Flask · Routes and View Functions · Jinja2 Template Engine · Web Forms via Flask-WTF and WForms Extensions · SQLAlchemy · RESTful Web Services API · Unit Testing and Acceptance Testing for Flask Apps · Some Useful Flask Extensions · Structuring Large Application with Blueprints · Deploying Your Flask Webapp Who This Book Is For If you are a Python web developer who wants to learn more about developing applications in Flask and scaling them with industry-standard practices, this is the book for you

Develop RESTful web services using the Flask micro-framework and integrate them using MySQL. Use Flask to develop, deploy, and manage REST APIs with easy-to-read and understand Python code. Solve your problem from a choice of libraries. Learn to use MySQL as the web services database for your Flask API using SQLAlchemy ORM. Building REST APIs with Flask provides a primer on Flask, RESTful services, and working with pip to set up your virtual environment. The key differences between NoSQL and SQL are covered, and you are covered, and you are ready to connect MySQL and Flask using SQLAlchemy. Author Kunal Relan presents best practices for creating REST APIs and guides you in structuring your app and testing REST endpoints. He teaches you how to set up authentication and render HTML using views. You learn how to write unit tests for your REST APIs, and understand mocks, assertions, and integration testing. You will know how to document your REST APIs, deploy your Flask application on all of the major cloud platforms, and debug and monitor your Flask application. What You'll Learn Use MySQL to create Flask REST APIs Test REST endpoints Create CRUD endpoints with Flask and MySQL Deploy Flask on all of the major cloud platforms Monitor your Flask application Who This Book Is For Python developers interested in REST API development using Flask and web developers with basic programming knowledge who want to learn how Python and REST APIs work together. Readers should be familiar with Python (command line, or at least pip) and MySQL.