Flask Documentation (1.1.x)

Release 1.1.4

Pallets

Feb 21, 2022

CONTENTS

1 User's Guide **3**
- 1.1 Foreword . . . 3
- 1.2 Foreword for Experienced Programmers . . . 4
- 1.3 Installation . . . 4
- 1.4 Quickstart . . . 7
- 1.5 Tutorial . . . 21
- 1.6 Templates . . . 57
- 1.7 Testing Flask Applications . . . 60
- 1.8 Application Errors . . . 67
- 1.9 Debugging Application Errors . . . 70
- 1.10 Logging . . . 71
- 1.11 Configuration Handling . . . 74
- 1.12 Signals . . . 83
- 1.13 Pluggable Views . . . 86
- 1.14 The Application Context . . . 89
- 1.15 The Request Context . . . 91
- 1.16 Modular Applications with Blueprints . . . 95
- 1.17 Extensions . . . 99
- 1.18 Command Line Interface . . . 100
- 1.19 Development Server . . . 108
- 1.20 Working with the Shell . . . 108
- 1.21 Patterns for Flask . . . 110
- 1.22 Deployment Options . . . 156
- 1.23 Becoming Big . . . 167

2 API Reference **169**
- 2.1 API . . . 169

3 Additional Notes **233**
- 3.1 Design Decisions in Flask . . . 233
- 3.2 HTML/XHTML FAQ . . . 235
- 3.3 Security Considerations . . . 239
- 3.4 Unicode in Flask . . . 242
- 3.5 Flask Extension Development . . . 244
- 3.6 Pocoo Styleguide . . . 249
- 3.7 Upgrading to Newer Releases . . . 252
- 3.8 Changelog . . . 259
- 3.9 License . . . 275
- 3.10 How to contribute to Flask . . . 276

Python Module Index 279

Index 281

Welcome to Flask's documentation. Get started with *Installation* and then get an overview with the *Quickstart*. There is also a more detailed *Tutorial* that shows how to create a small but complete application with Flask. Common patterns are described in the *Patterns for Flask* section. The rest of the docs describe each component of Flask in detail, with a full reference in the *API* section.

Flask depends on the Jinja template engine and the Werkzeug WSGI toolkit. The documentation for these libraries can be found at:

- Jinja documentation
- Werkzeug documentation

Click here to download full PDF material