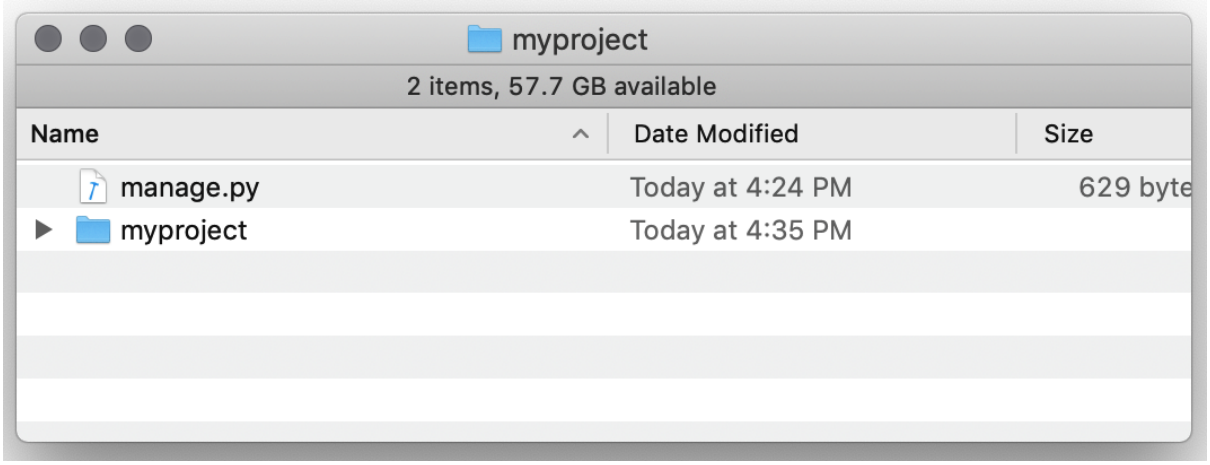
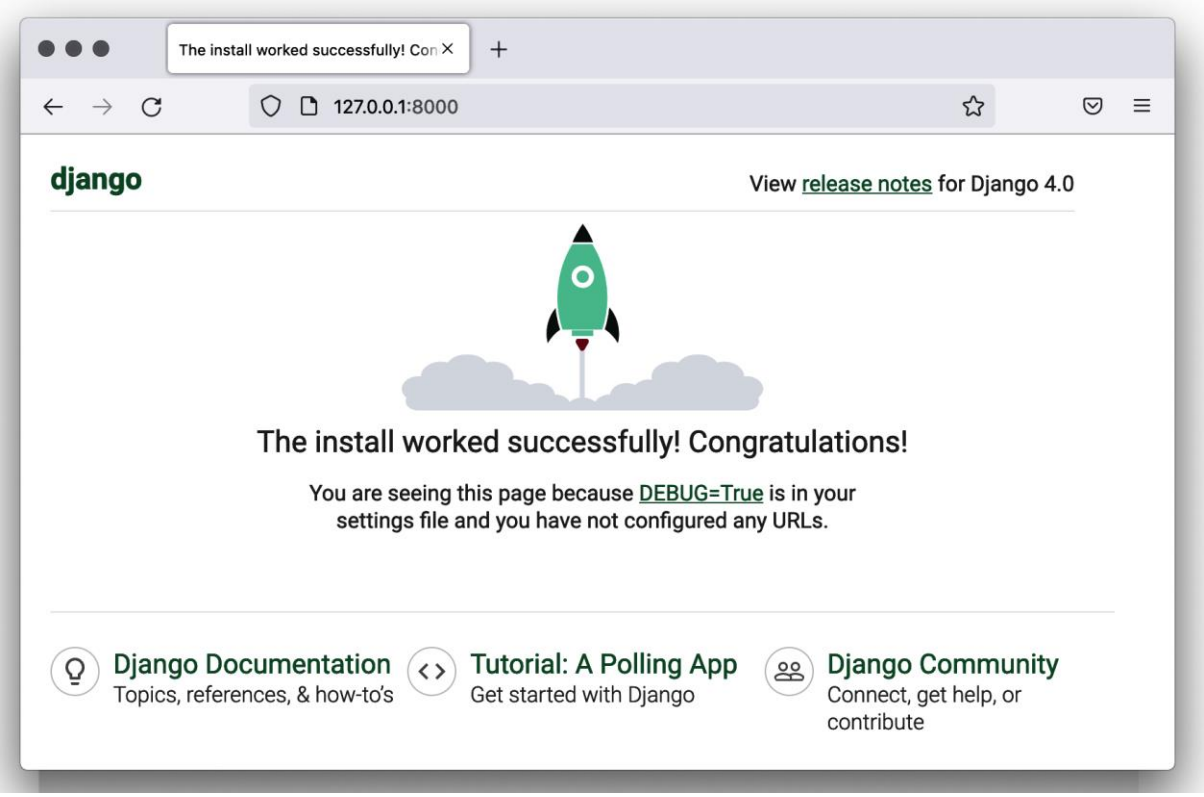
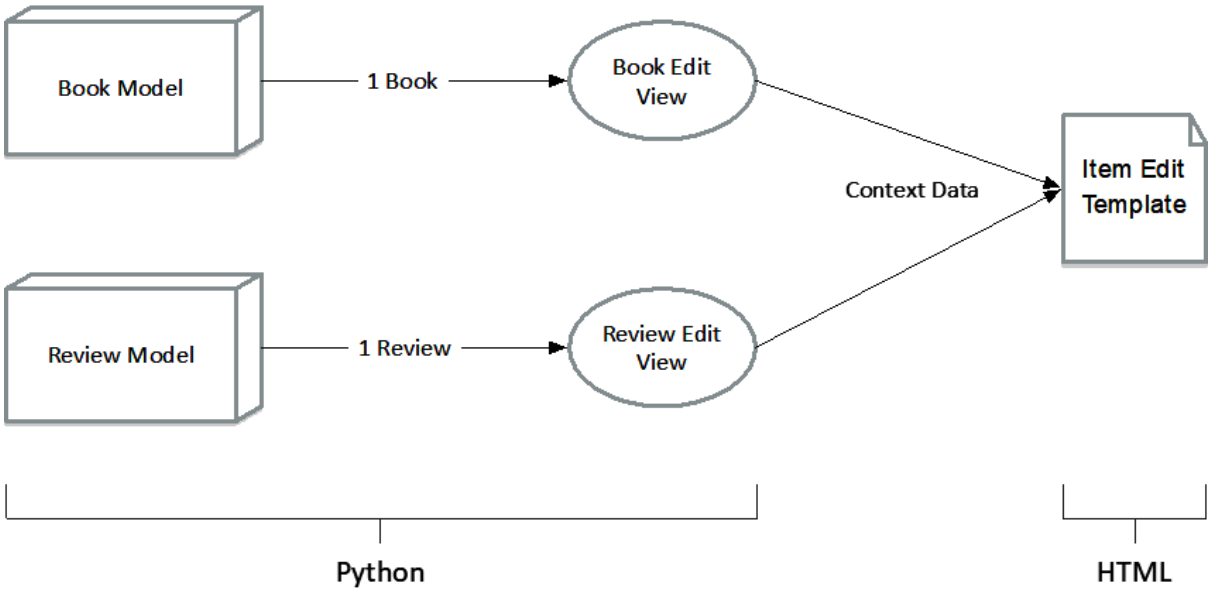
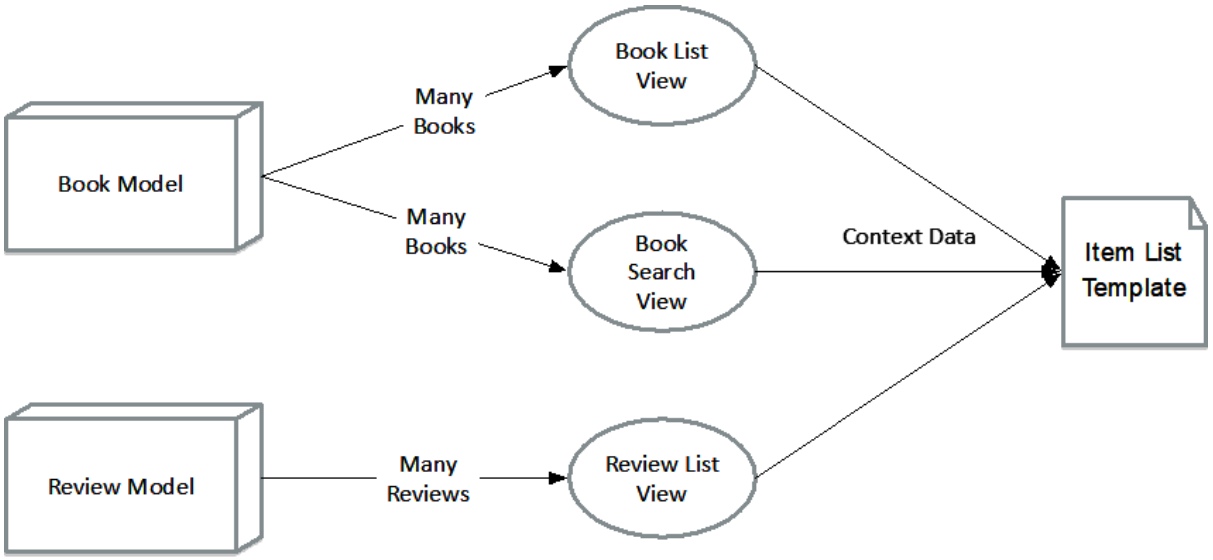
Chapter 01: An Introduction to Django

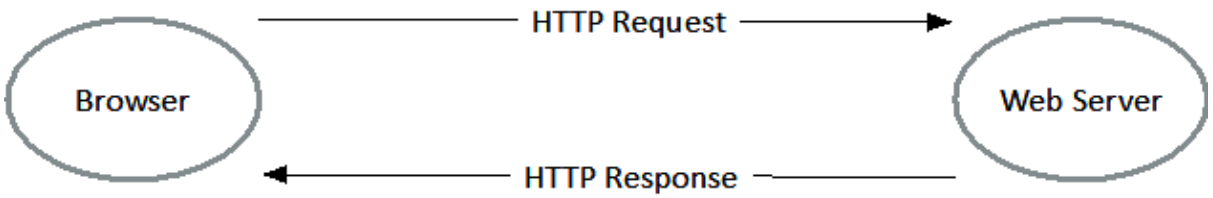


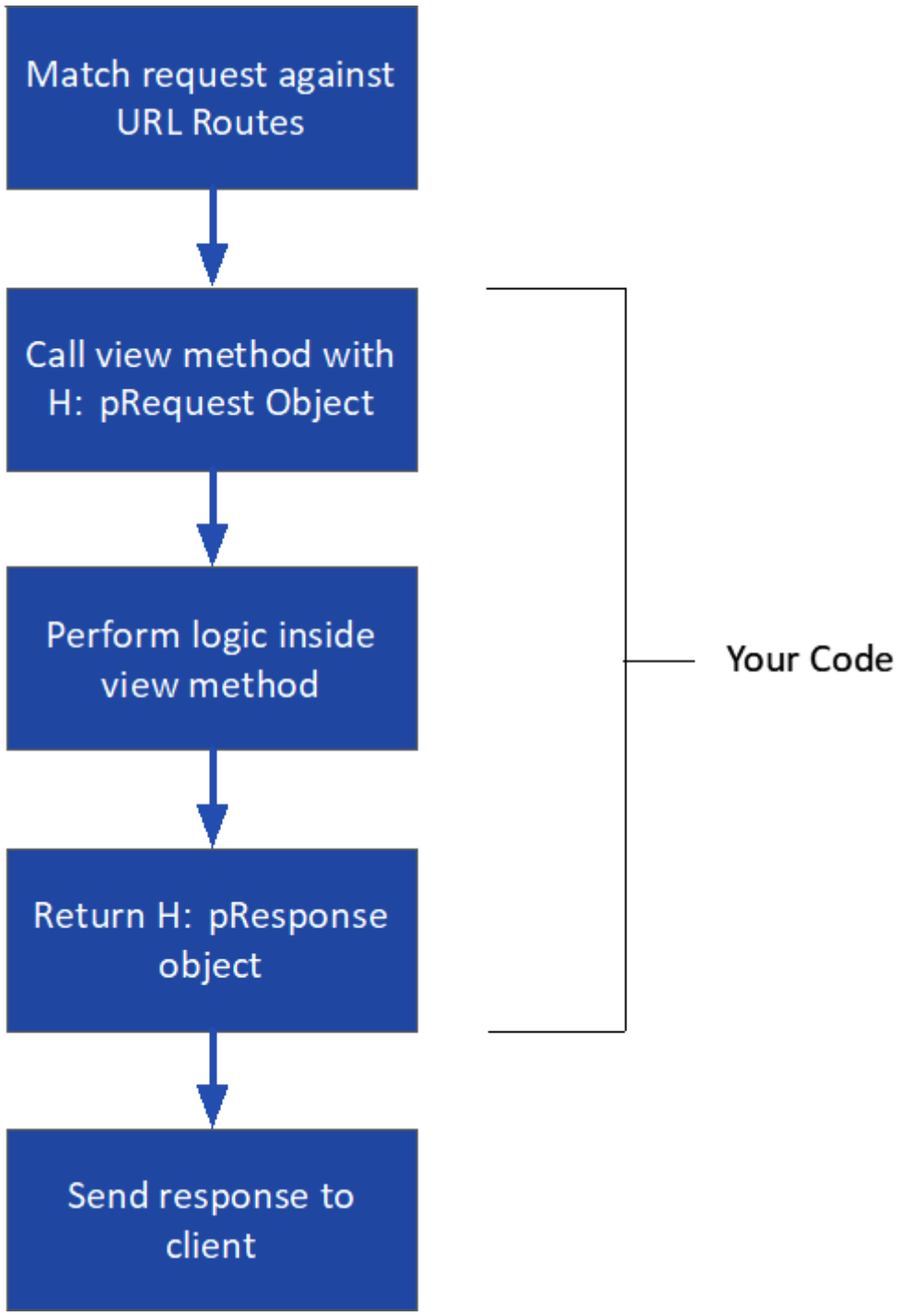


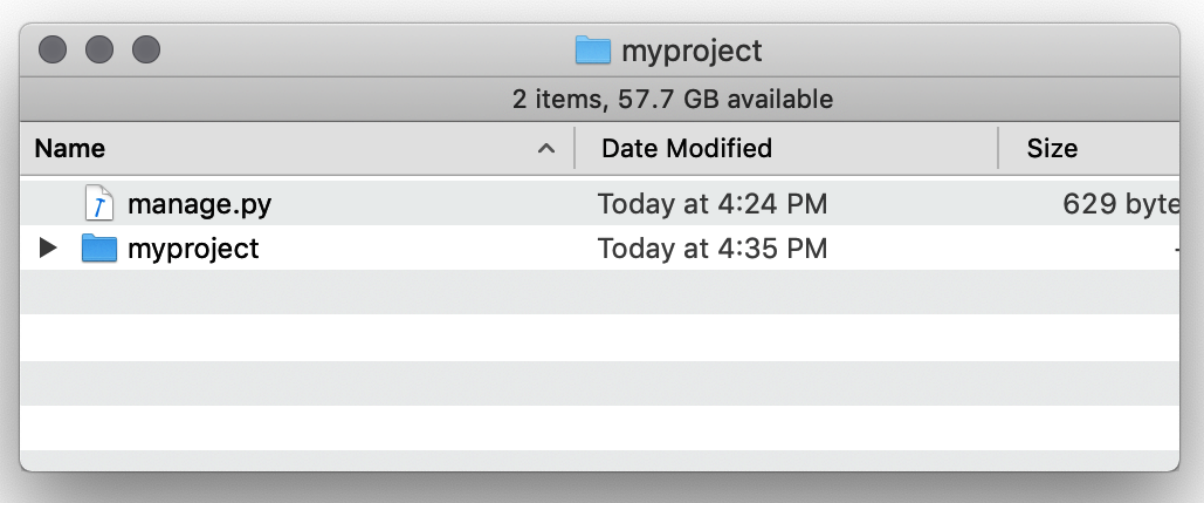

Book Model
1 Book
Book Edit View
Item Edit Template
Context Data
Review Model
1 Review
Review Edit View
Python
HTML

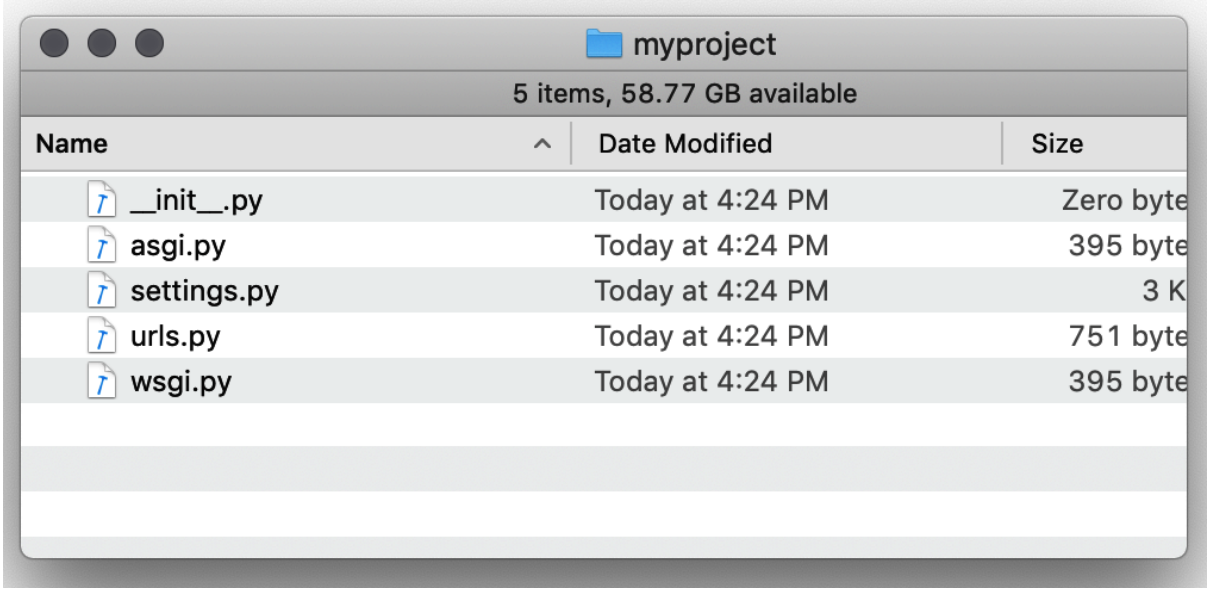

Book Model
Many Books
Book List View
Many Books
Book Search View
Context Data
Item List Template
Review Model
Many Reviews
Review List View

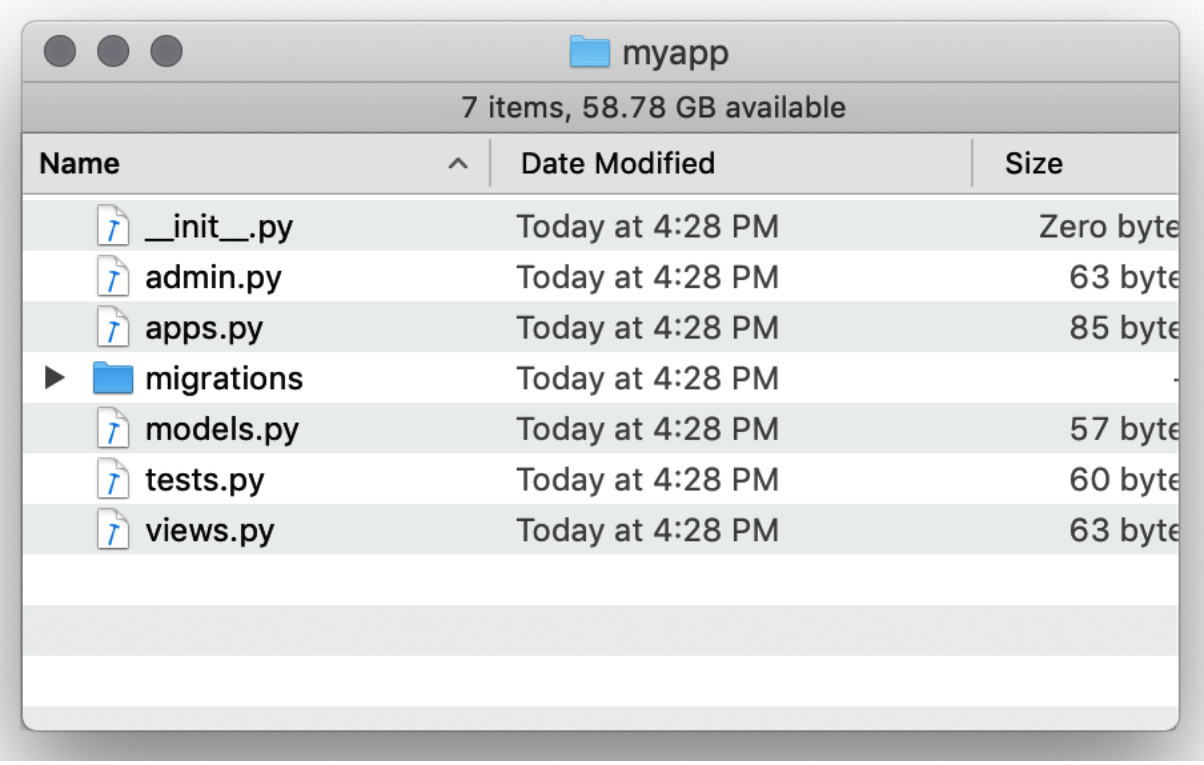
Welcome View
Context Data
Welcome Template

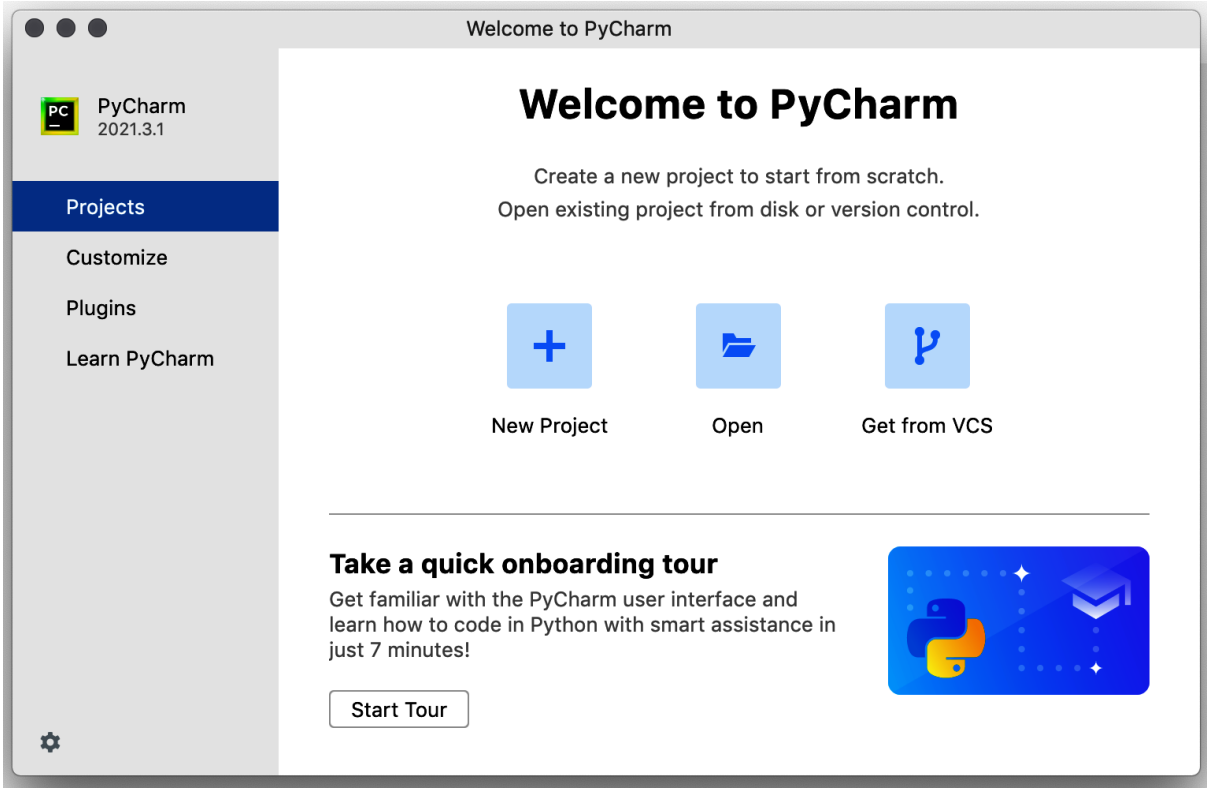

HTTP Request
Browser
Web Server
HTTP Response

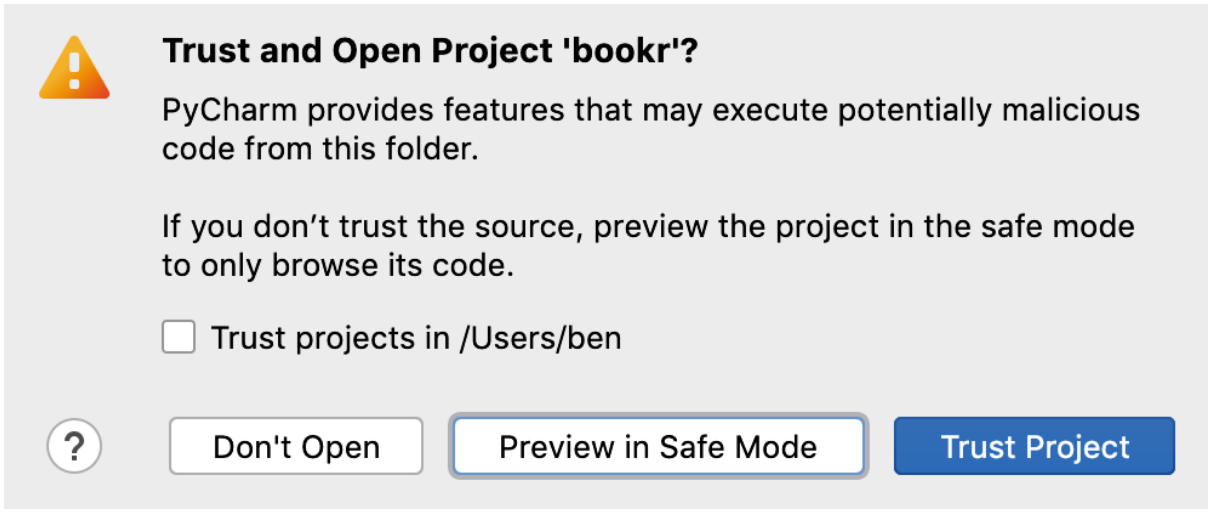

Match request against URL Routes
Call view method with H: pRequest Object
Perform logic inside view method
Return H: pResponse object
Send response to client
Your Code

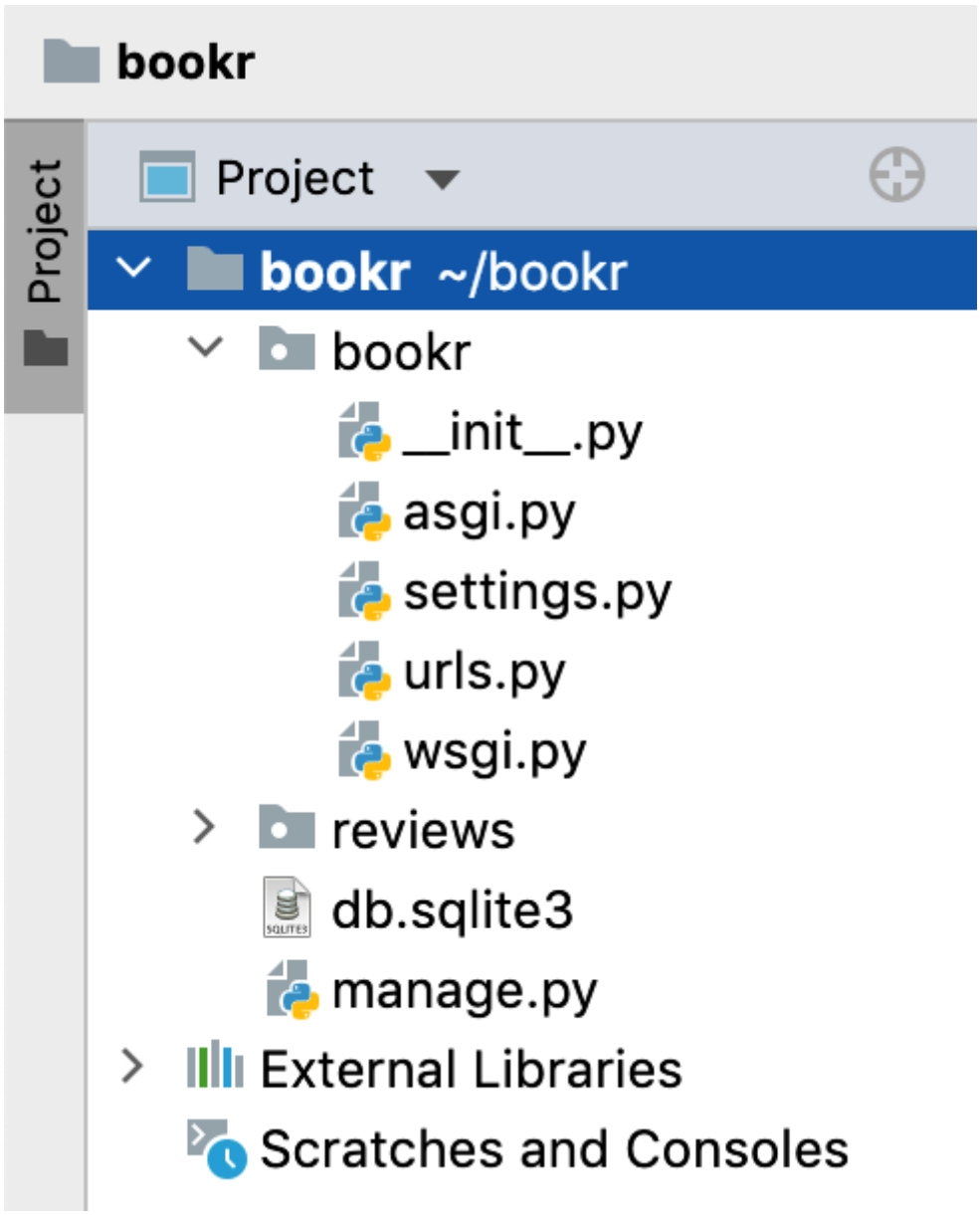

myproject
2 items, 57.7 GB available
Name
Date Modified
Size
manage.py
Today at 4:24 PM
629 byte
myproject
Today at 4:35 PM

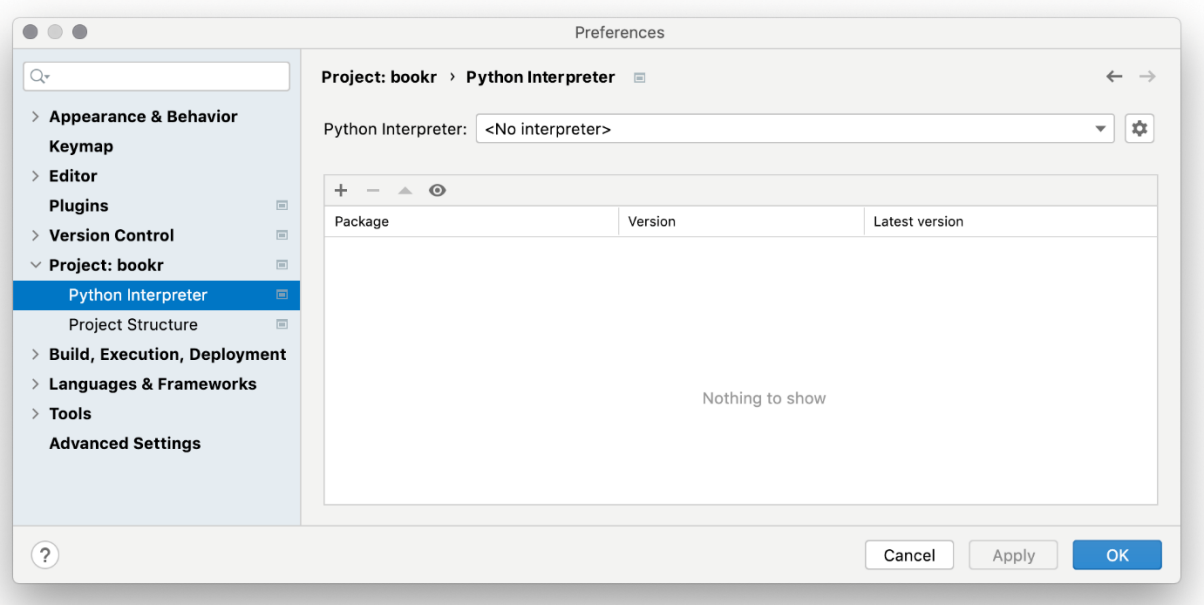

myproject
5 items, 58.77 GB available
Name
Date Modified
Size
__init__.py
Today at 4:24 PM
Zero byte
asgi.py
Today at 4:24 PM
395 byte
settings.py
Today at 4:24 PM
3 K
urls.py
Today at 4:24 PM
751 byte
wsgi.py
Today at 4:24 PM
395 byte

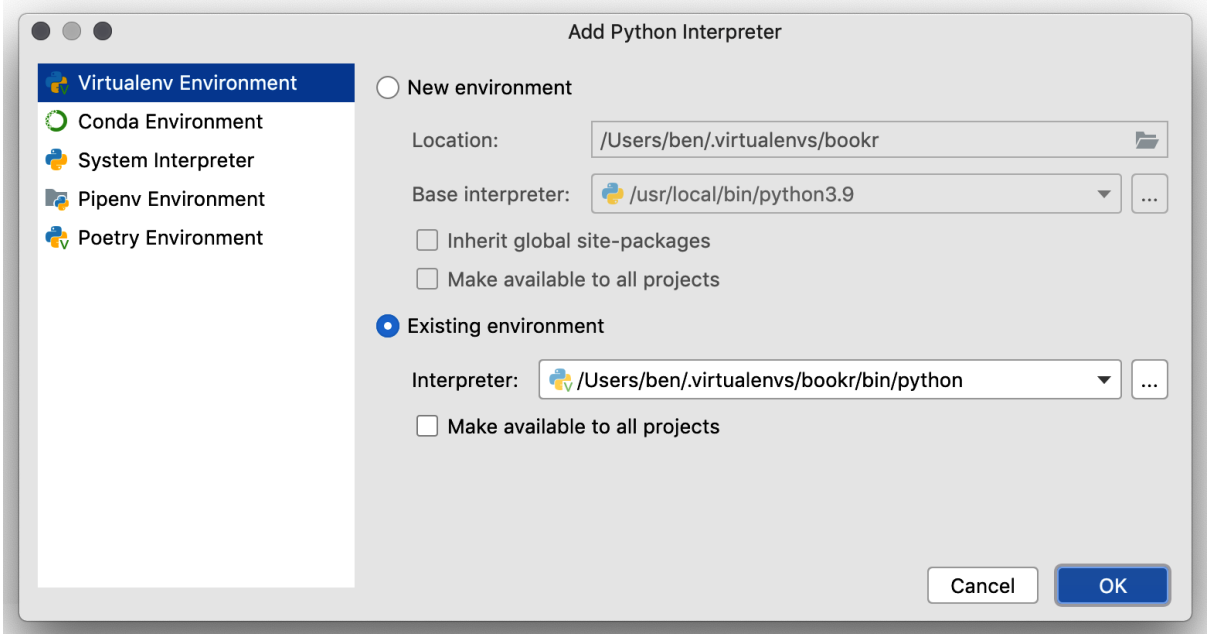

myapp
7 items, 58.78 GB available
Name
Date Modified
Size
__init__.py
Today at 4:28 PM
Zero byte
admin.py
Today at 4:28 PM
63 byte
apps.py
Today at 4:28 PM
85 byte
migrations
Today at 4:28 PM
models.py
Today at 4:28 PM
57 byte
tests.py
Today at 4:28 PM
60 byte
views.py
Today at 4:28 PM
63 byte

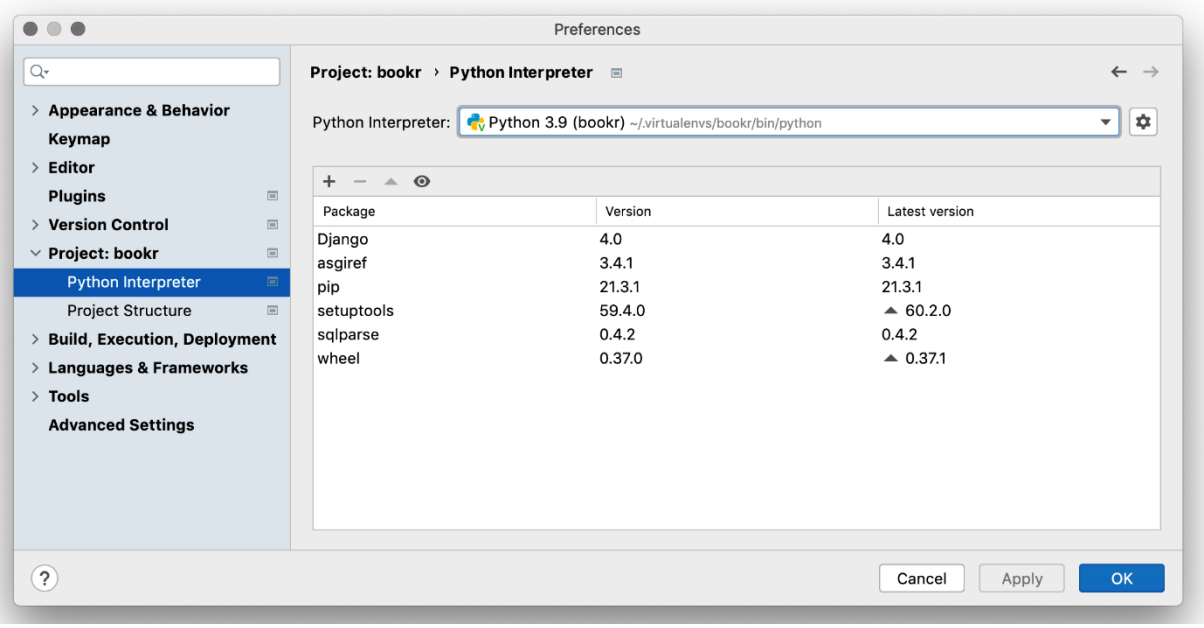

Welcome to PyCharm
PyCharm
2021.3.1
Projects
Customize
Plugins
Learn PyCharm
Welcome to PyCharm
Create a new project to start from scratch.
Open existing project from disk or version control.
New Project
Open
Get from VCS
Take a quick onboarding tour
Get familiar with the PyCharm user interface and learn how to code in Python with smart assistance in just 7 minutes!
Start Tour

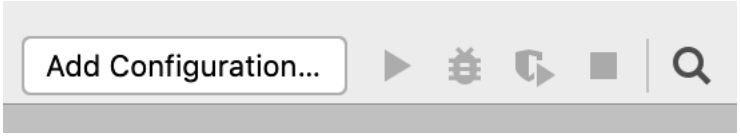

Trust and Open Project 'bookr'?
PyCharm provides features that may execute potentially malicious code from this folder.
If you don't trust the source, preview the project in the safe mode to only browse its code.
Trust projects in /Users/ben
Don't Open
Preview in Safe Mode
Trust Project

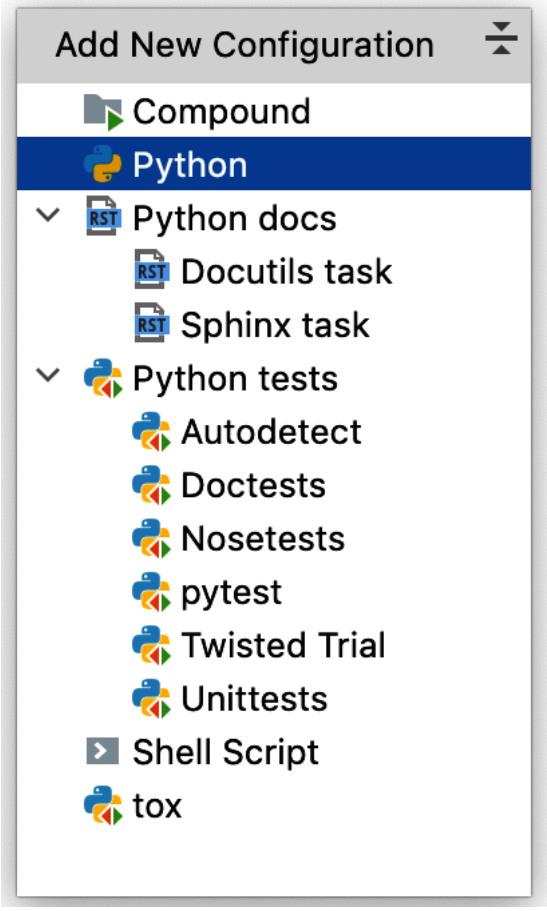

bookr
Project
Project
bookr ~/bookr
bookr
__init__.py
asgi.py
settings.py
urls.py
wsgi.py
reviews
db.sqlite3
manage.py
External Libraries
Scratches and Consoles

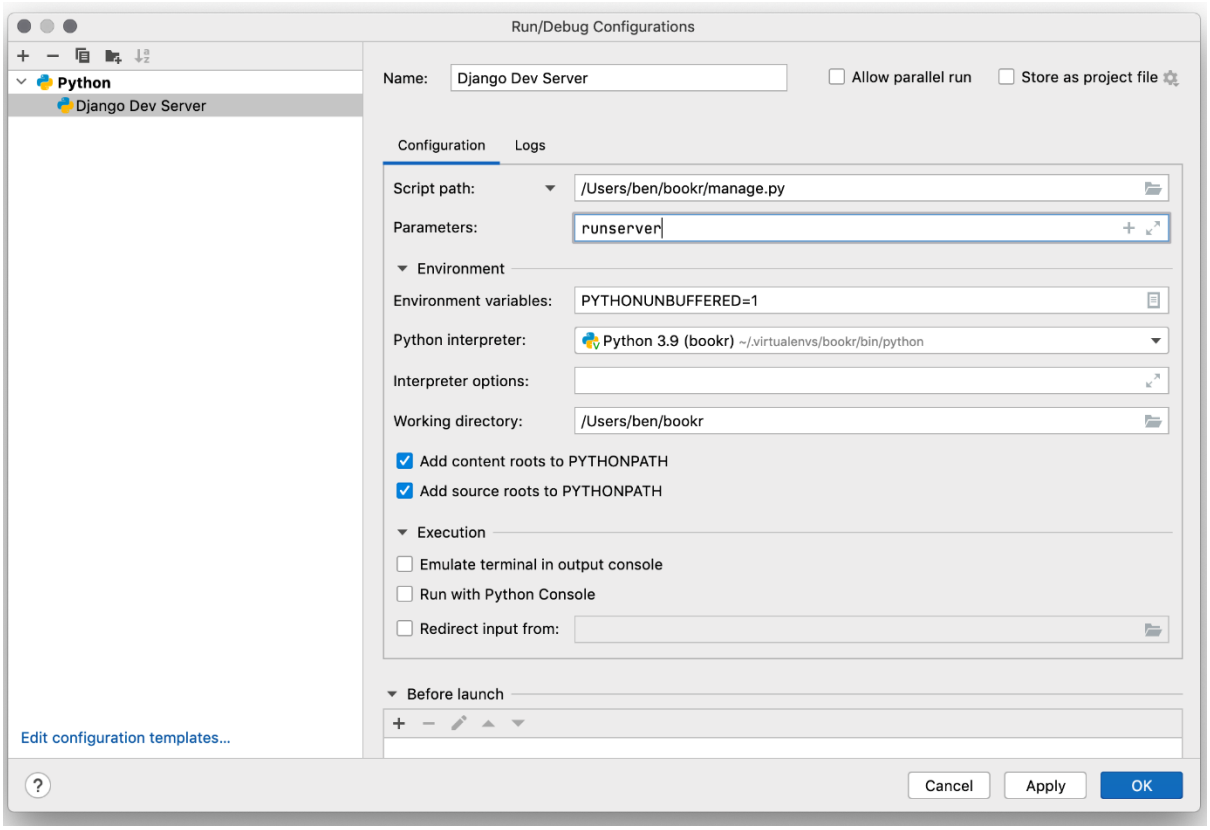

Preferences
Appearance & Behavior
Keymap
Editor
Plugins
Version Control
Project: bookr
Python Interpreter
Project Structure
Build, Execution, Deployment
Languages & Frameworks
Tools
Advanced Settings
Project: bookr › Python Interpreter
Python Interpreter: <No interpreter>
Package
Version
Latest version
Nothing to show
Cancel
Apply
OK

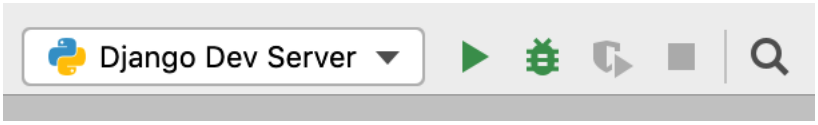

Add Python Interpreter
Virtualenv Environment
Conda Environment
System Interpreter
Pipenv Environment
Poetry Environment
New environment
Location: /Users/ben/.virtualenvs/bookr
Base interpreter: /usr/local/bin/python3.9
Inherit global site-packages
Make available to all projects
Existing environment
Interpreter: /Users/ben/.virtualenvs/bookr/bin/python
Make available to all projects
Cancel
OK

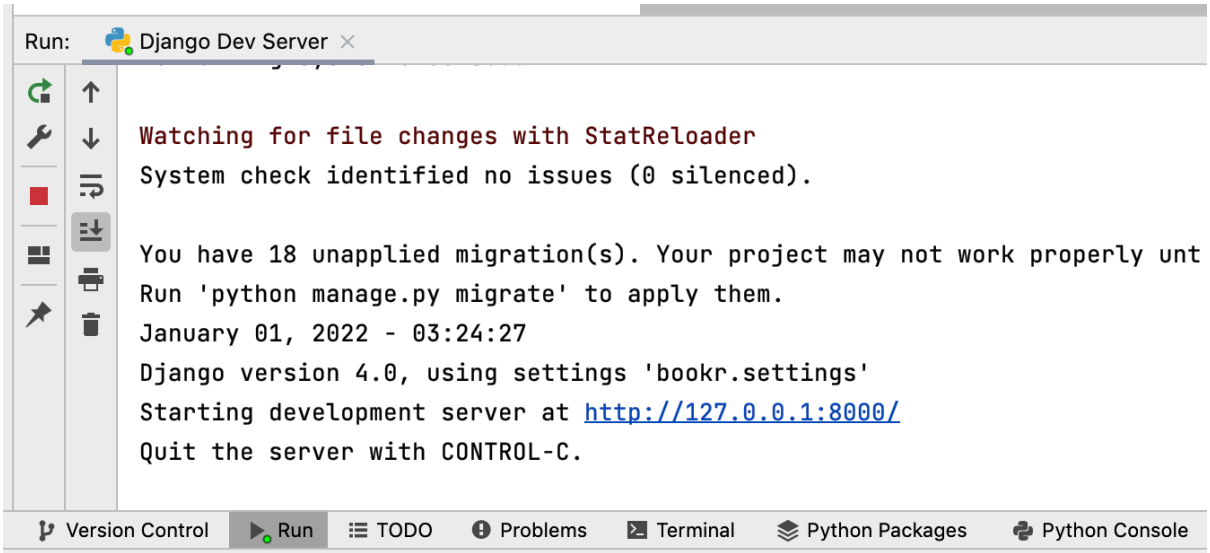

Preferences
Project: bookr › Python Interpreter
Appearance & Behavior
Keymap
Editor
Plugins
Version Control
Project: bookr
Python Interpreter
Project Structure
Build, Execution, Deployment
Languages & Frameworks
Tools
Advanced Settings
Python Interpreter: Python 3.9 (bookr) ~/.virtualenvs/bookr/bin/python
Package
Version
Latest version
Django 4.0 4.0
asgiref 3.4.1 3.4.1
pip 21.3.1 21.3.1
setuptools 59.4.0 60.2.0
sqlparse 0.4.2 0.4.2
wheel 0.37.0 0.37.1
Cancel
Apply
OK


Add Configuration...


Add New Configuration
Compound
Python
Python docs
Docutils task
Sphinx task
Python tests
Autodetect
Doctests
Nosetests
pytest
Twisted Trial
Unittests
Shell Script
tox

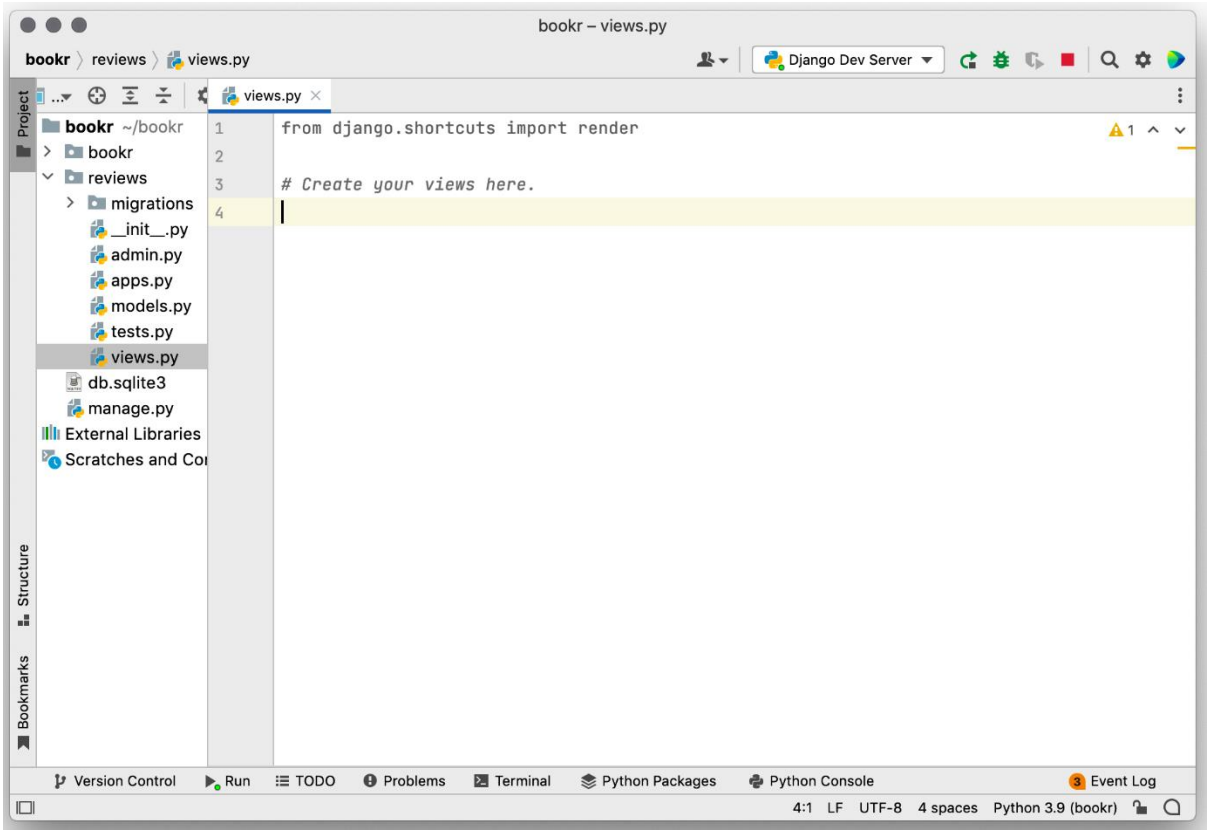

Run/Debug Configurations
Python
Django Dev Server
Name: Django Dev Server
Allow parallel run
Store as project file
Configuration
Logs
Script path: /Users/ben/bookr/manage.py
Parameters: runserver
Environment
Environment variables: PYTHONUNBUFFERED=1
Python interpreter: Python 3.9 (bookr) ~/.virtualenvs/bookr/bin/python
Interpreter options:
Working directory: /Users/ben/bookr
Add content roots to PYTHONPATH
Add source roots to PYTHONPATH
Execution
Emulate terminal in output console
Run with Python Console
Redirect input from:
Before launch
Edit configuration templates...
Cancel
Apply
OK

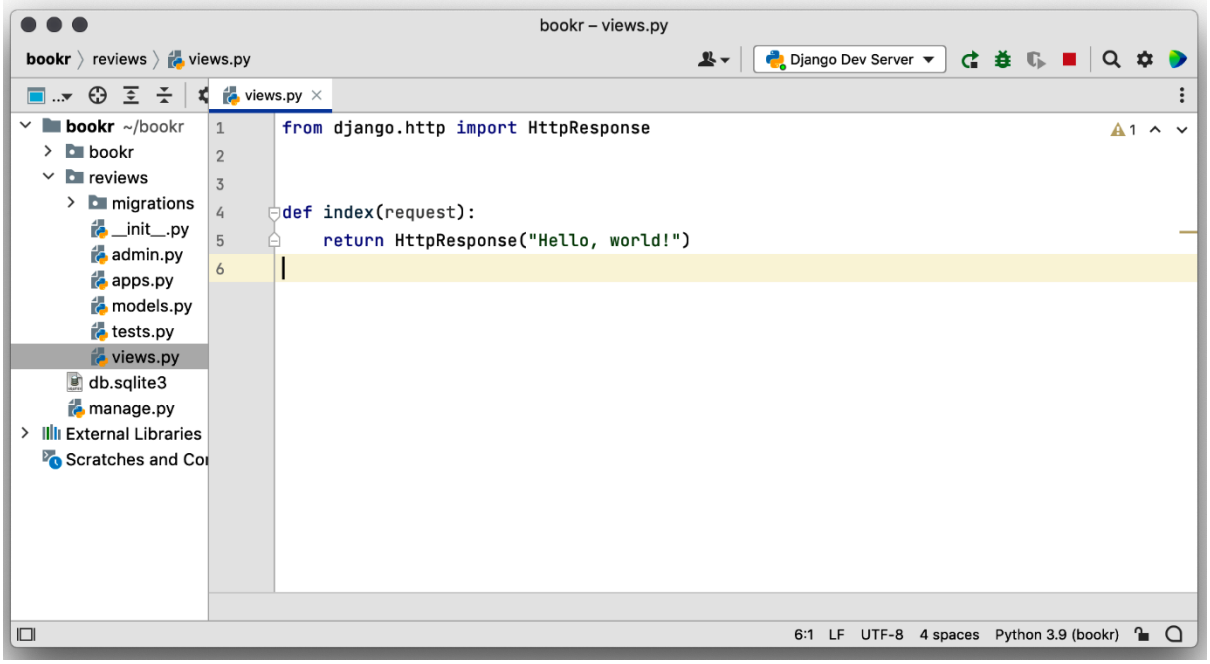

Django Dev Server

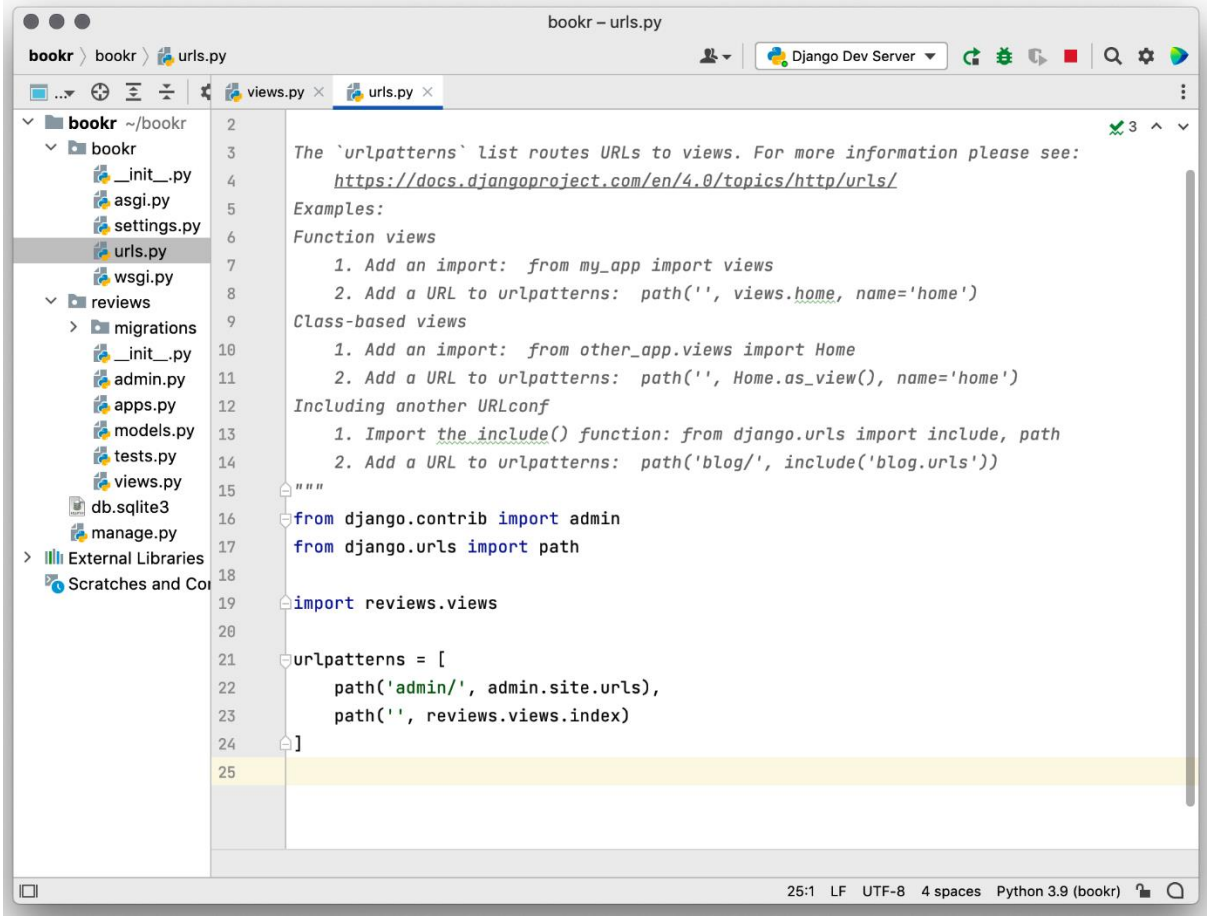

Run:
Django Dev Server
Watching for file changes with StatReloader
System check identified no issues (0 silenced).
You have 18 unapplied migration(s). Your project may not work properly unt
Run 'python manage.py migrate' to apply them.
January 01, 2022 - 03:24:27
Django version 4.0, using settings 'bookr.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
Version Control
Run
TODO
Problems
Terminal
Python Packages
Python Console

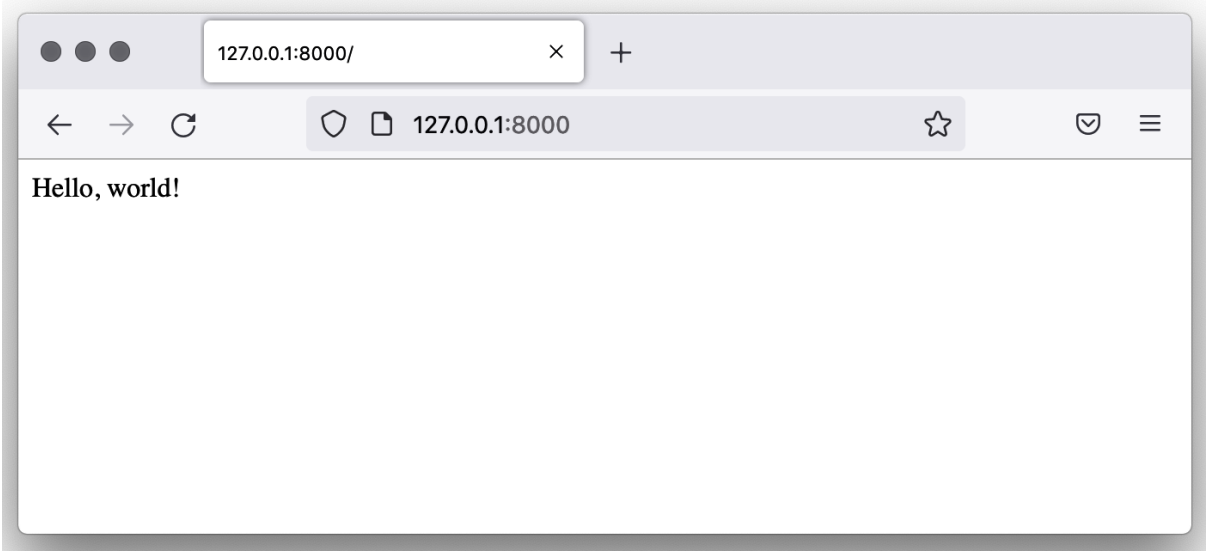
```python
from django.contrib import admin
from django.urls import path

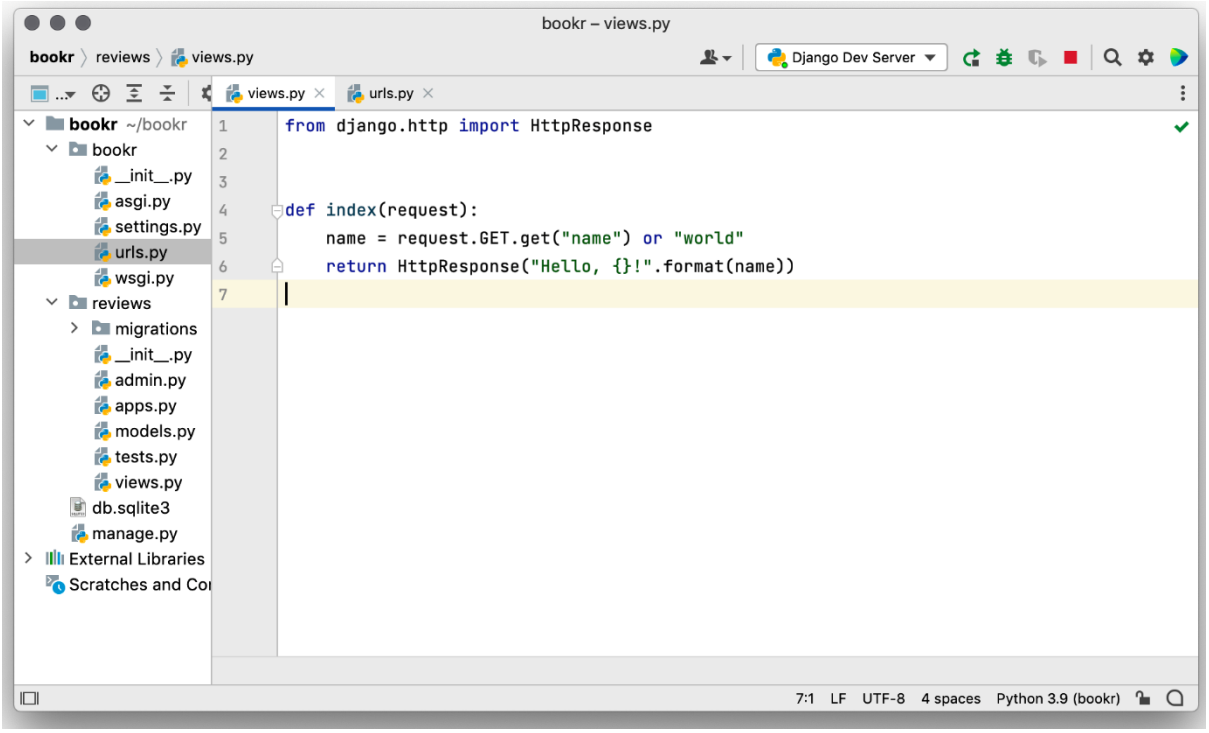
urlpatterns = [
    path('admin/', admin.site.urls),
]
```

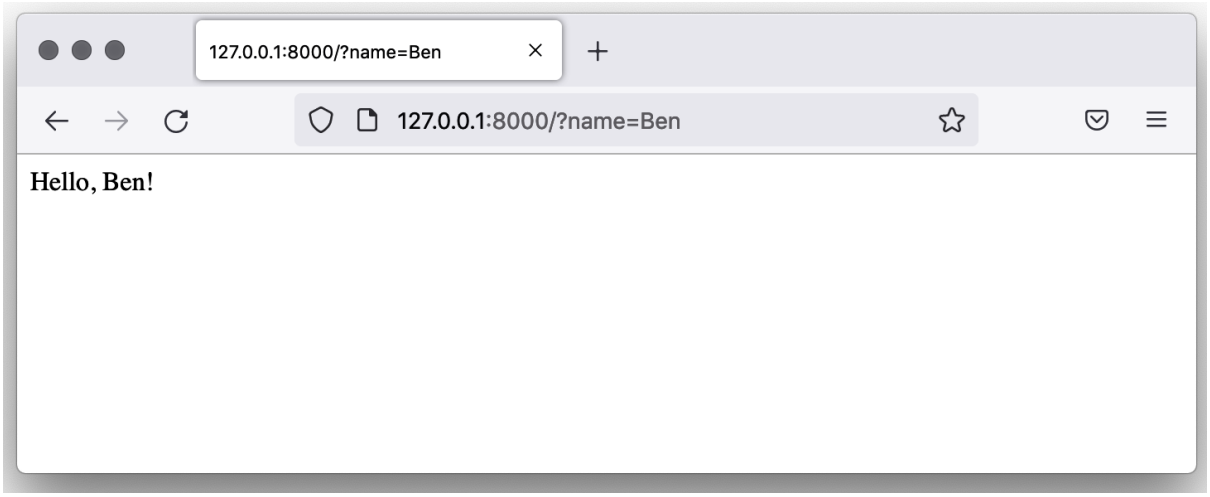



bookr – views.py
bookr 〉 reviews 〉 views.py
Django Dev Server
views.py
bookr ~/bookr
bookr
reviews
migrations
__init__.py
admin.py
apps.py
models.py
tests.py
views.py
db.sqlite3
manage.py
External Libraries
Scratches and Co
1 from django.http import HttpResponse
2
3
4 def index(request):
5 return HttpResponse("Hello, world!")
6
1
6:1 LF UTF-8 4 spaces Python 3.9 (bookr)

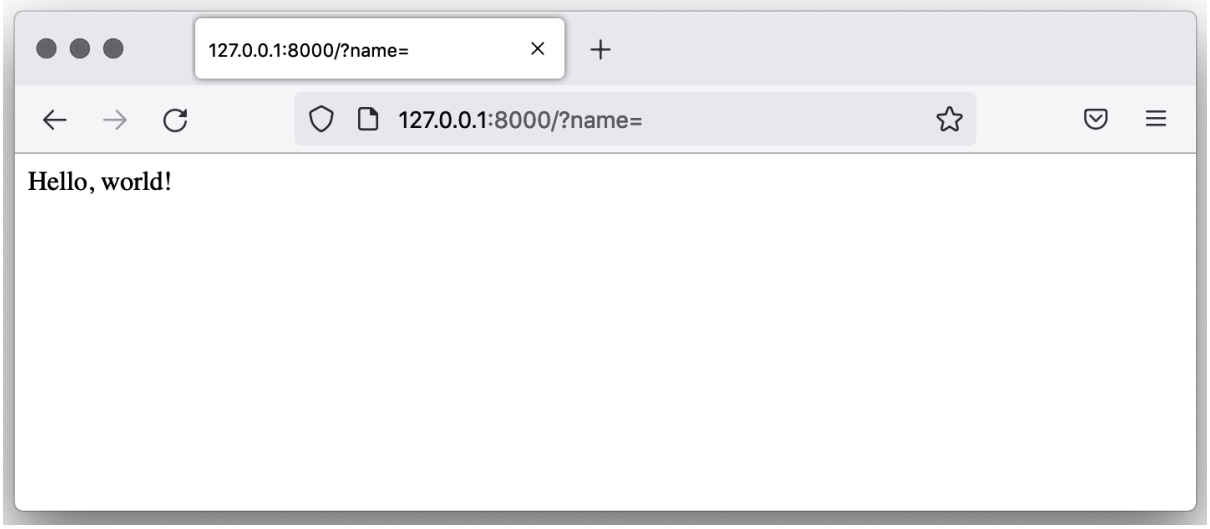

bookr – urls.py
bookr 〉 bookr 〉 urls.py
Django Dev Server
views.py
urls.py
bookr ~/bookr
bookr
__init__.py
asgi.py
settings.py
urls.py
wsgi.py
reviews
migrations
__init__.py
admin.py
apps.py
models.py
tests.py
views.py
db.sqlite3
manage.py
External Libraries
Scratches and Co
2
3 The `urlpatterns` list routes URLs to views. For more information please see:
4 https://docs.djangoproject.com/en/4.0/topics/http/urls/
5 Examples:
6 Function views
7 1. Add an import: from my_app import views
8 2. Add a URL to urlpatterns: path('', views.home, name='home')
9 Class-based views
10 1. Add an import: from other_app.views import Home
11 2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
12 Including another URLconf
13 1. Import the include() function: from django.urls import include, path
14 2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
15 """
16 from django.contrib import admin
17 from django.urls import path
18
19 import reviews.views
20
21 urlpatterns = [
22 path('admin/', admin.site.urls),
23 path('', reviews.views.index)
24]
25
3
25:1 LF UTF-8 4 spaces Python 3.9 (bookr)

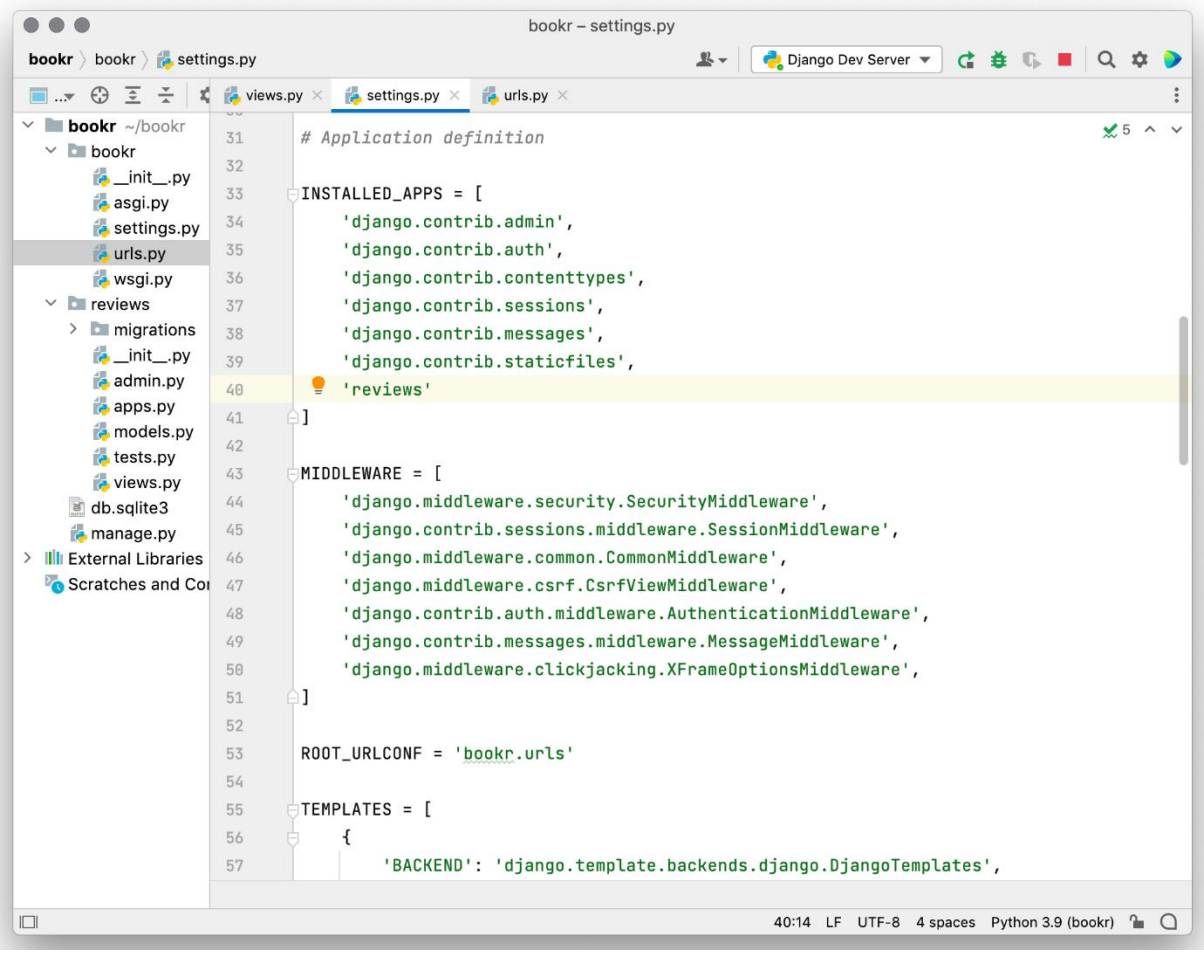

127.0.0.1:8000/
127.0.0.1:8000
Hello, world!

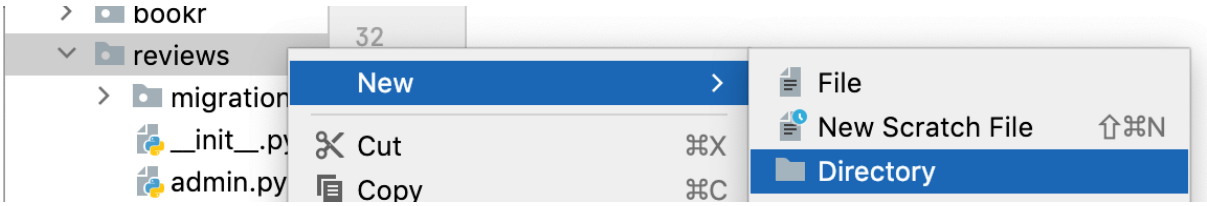

bookr – views.py
bookr
reviews
views.py
Django Dev Server
views.py
urls.py
bookr ~/bookr
bookr
__init__.py
asgi.py
settings.py
urls.py
wsgi.py
reviews
migrations
__init__.py
admin.py
apps.py
models.py
tests.py
views.py
db.sqlite3
manage.py
External Libraries
Scratches and Co
1 from django.http import HttpResponse
2
3
4 def index(request):
5 name = request.GET.get("name") or "world"
6 return HttpResponse("Hello, {}!".format(name))
7
7:1 LF UTF-8 4 spaces Python 3.9 (bookr)

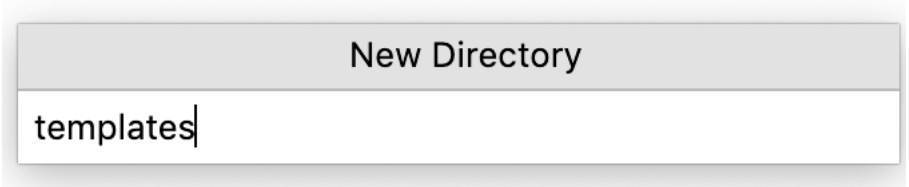

127.0.0.1:8000/?name=Ben
127.0.0.1:8000/?name=Ben
Hello, Ben!

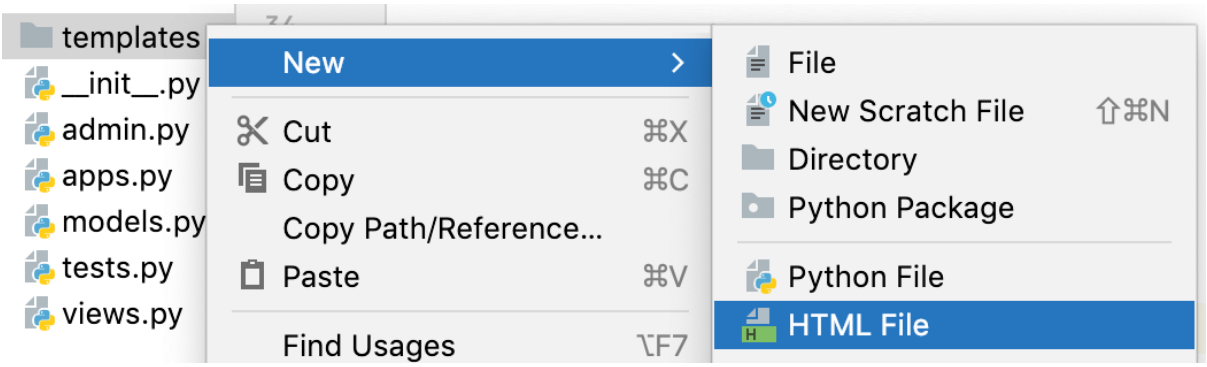
127.0.0.1:8000/?name=Ben&name=J
127.0.0.1:8000/?name=Ben&name=John
Hello, John!

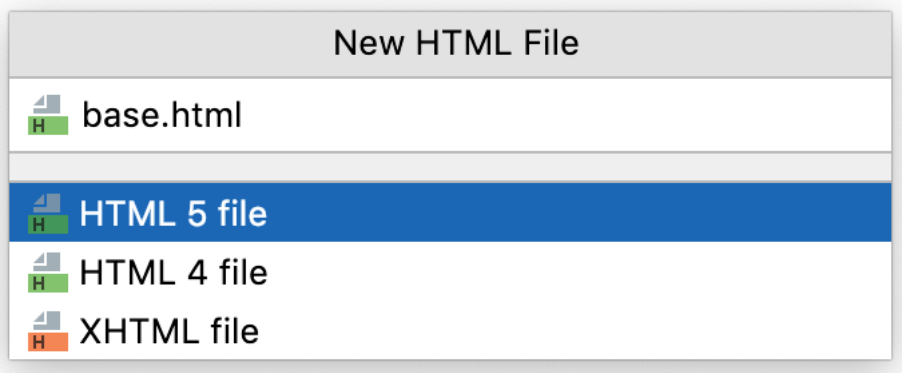

127.0.0.1:8000/?name=
127.0.0.1:8000/?name=
Hello, world!

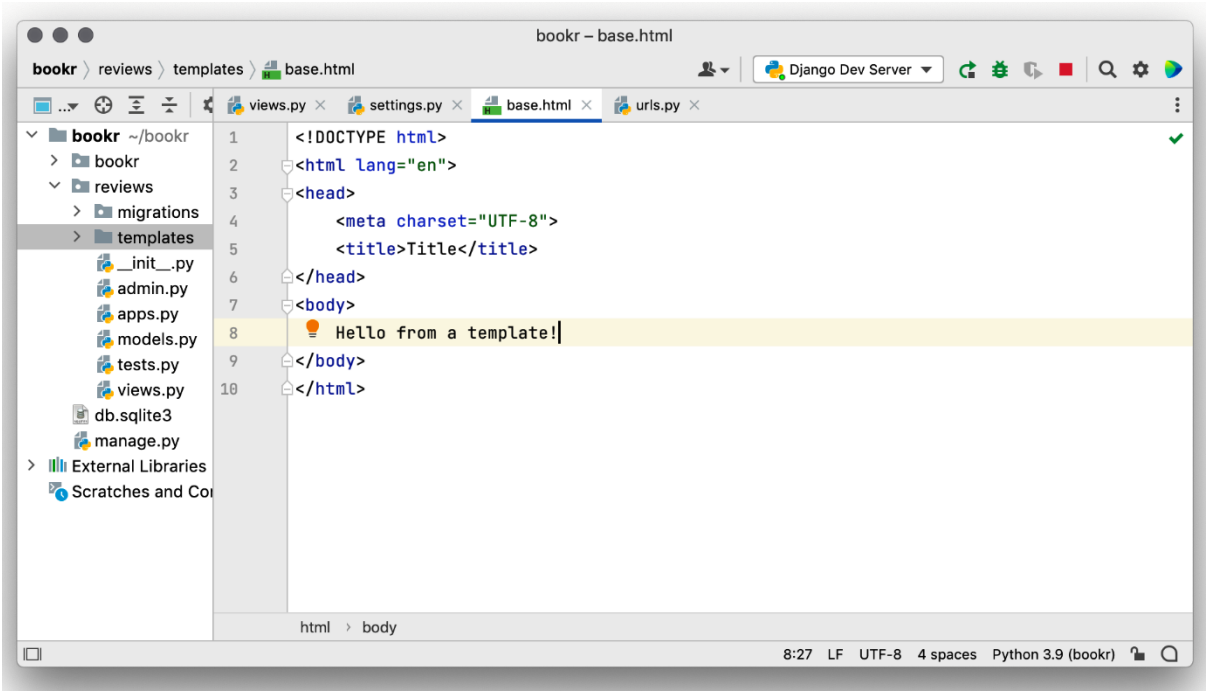

bookr – settings.py
bookr 〉 bookr 〉 settings.py
Django Dev Server
views.py
settings.py
urls.py
bookr ~/bookr
bookr
__init__.py
asgi.py
settings.py
urls.py
wsgi.py
reviews
migrations
__init__.py
admin.py
apps.py
models.py
tests.py
views.py
db.sqlite3
manage.py
External Libraries
Scratches and Co
# Application definition
INSTALLED_APPS = [
'django.contrib.admin',
'django.contrib.auth',
'django.contrib.contenttypes',
'django.contrib.sessions',
'django.contrib.messages',
'django.contrib.staticfiles',
'reviews'
]
MIDDLEWARE = [
'django.middleware.security.SecurityMiddleware',
'django.contrib.sessions.middleware.SessionMiddleware',
'django.middleware.common.CommonMiddleware',
'django.middleware.csrf.CsrfViewMiddleware',
'django.contrib.auth.middleware.AuthenticationMiddleware',
'django.contrib.messages.middleware.MessageMiddleware',
'django.middleware.clickjacking.XFrameOptionsMiddleware',
]
ROOT_URLCONF = 'bookr.urls'
TEMPLATES = [
{
'BACKEND': 'django.template.backends.django.DjangoTemplates',
40:14 LF UTF-8 4 spaces Python 3.9 (bookr)

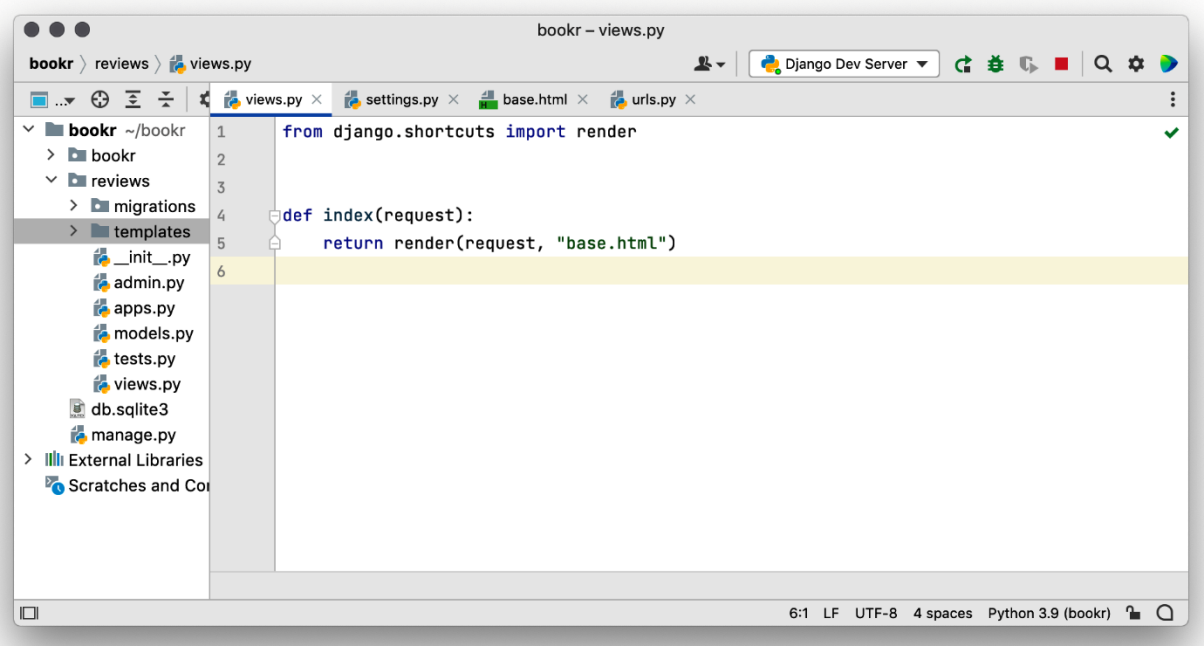

bookr
reviews
migration
__init__.py
admin.py
New
Cut ⌘X
Copy ⌘C
File
New Scratch File ⇧⌘N
Directory

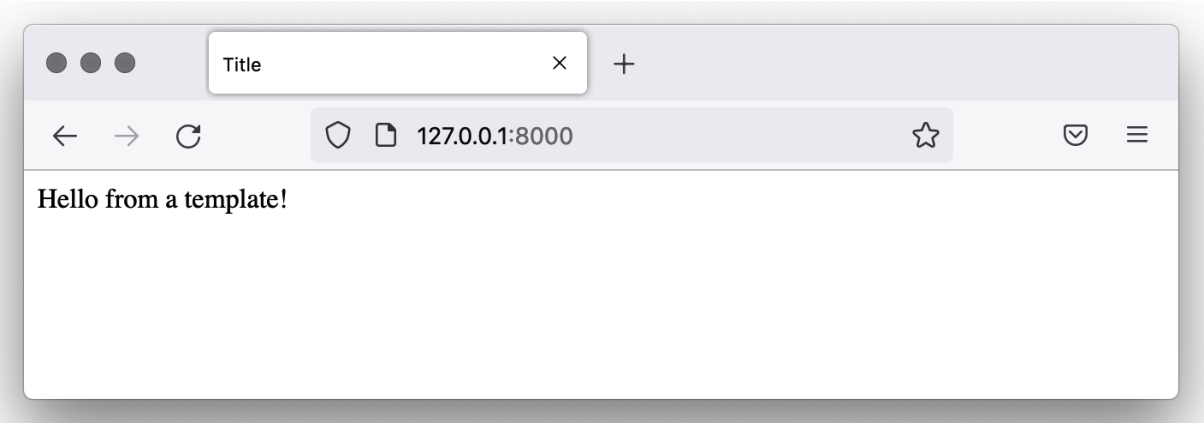

New Directory
templates

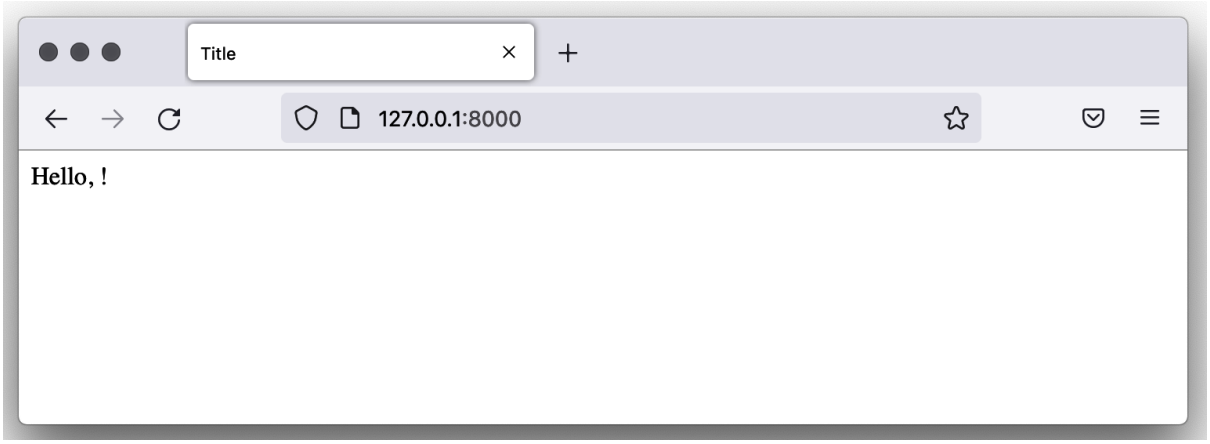

templates
__init__.py
admin.py
apps.py
models.py
tests.py
views.py
New
Cut ⌘X
Copy ⌘C
Copy Path/Reference...
Paste ⌘V
Find Usages ⌥F7
File
New Scratch File ⇧⌘N
Directory
Python Package
Python File
HTML File

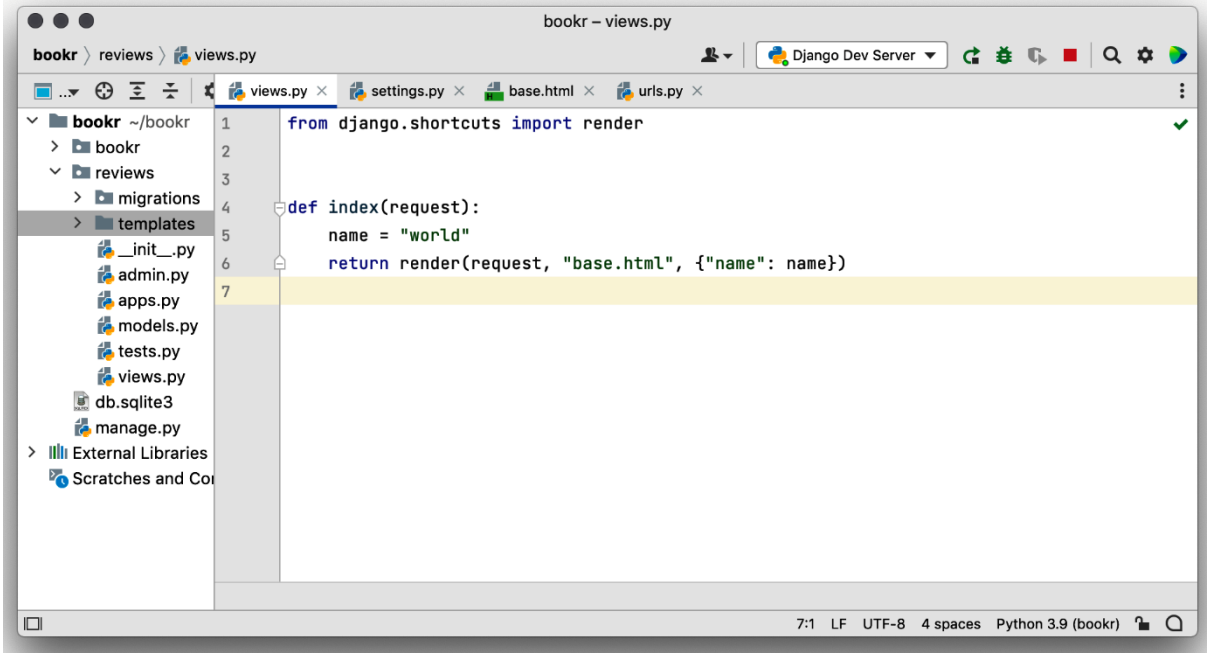

New HTML File
base.html
HTML 5 file
HTML 4 file
XHTML file


bookr – base.html
bookr 〉 reviews 〉 templates 〉 base.html
Django Dev Server
views.py
settings.py
base.html
urls.py
bookr ~/bookr
bookr
reviews
migrations
templates
__init__.py
admin.py
apps.py
models.py
tests.py
views.py
db.sqlite3
manage.py
External Libraries
Scratches and Co
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Title</title>
</head>
<body>
Hello from a template!
</body>
</html>
html 〉 body
8:27 LF UTF-8 4 spaces Python 3.9 (bookr)


bookr – views.py
bookr 〉 reviews 〉 views.py
Django Dev Server
views.py
settings.py
base.html
urls.py
bookr ~/bookr
bookr
reviews
migrations
templates
__init__.py
admin.py
apps.py
models.py
tests.py
views.py
db.sqlite3
manage.py
External Libraries
Scratches and Co
1 from django.shortcuts import render
2
3
4 def index(request):
5 return render(request, "base.html")
6
6:1 LF UTF-8 4 spaces Python 3.9 (bookr)


Title
127.0.0.1:8000
Hello from a template!


Title
127.0.0.1:8000
Hello, !


bookr – views.py
bookr 〉 reviews 〉 views.py
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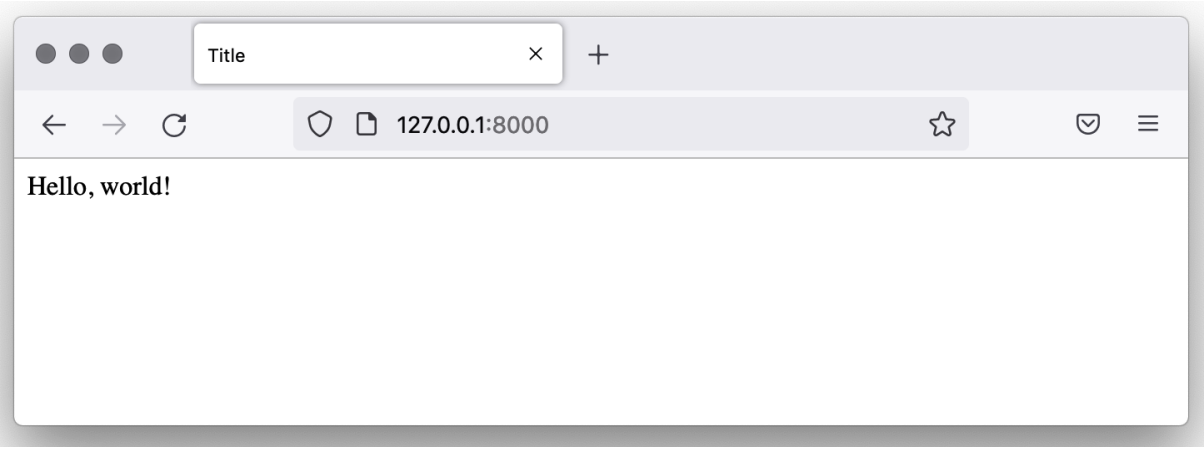
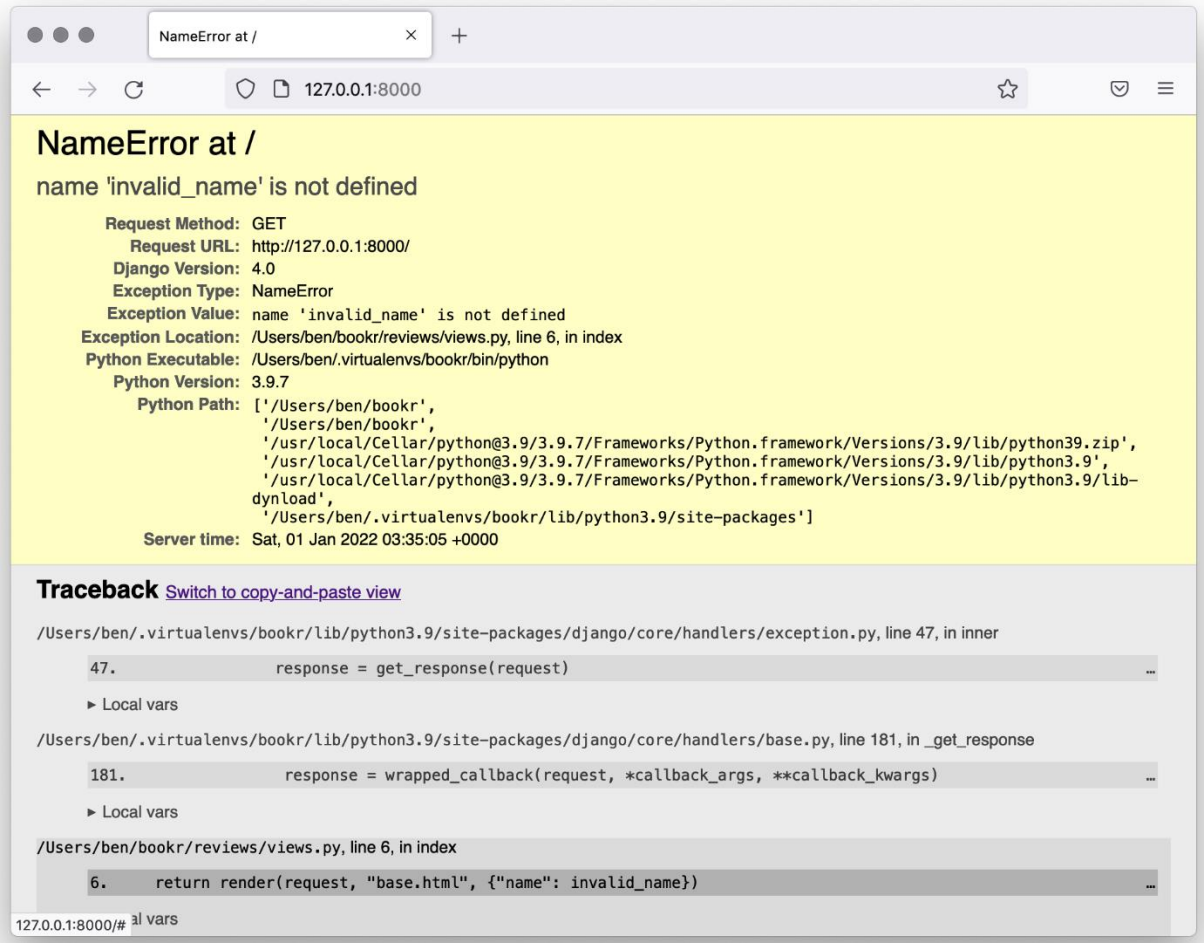
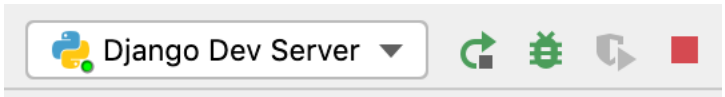
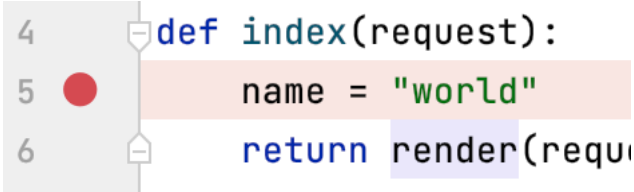
manage.py
External Libraries
Scratches and Co
1 from django.shortcuts import render
2
3
4 def index(request):
5 name = "world"
6 return render(request, "base.html", {"name": name})
7
7:1 LF UTF-8 4 spaces Python 3.9 (bookr)

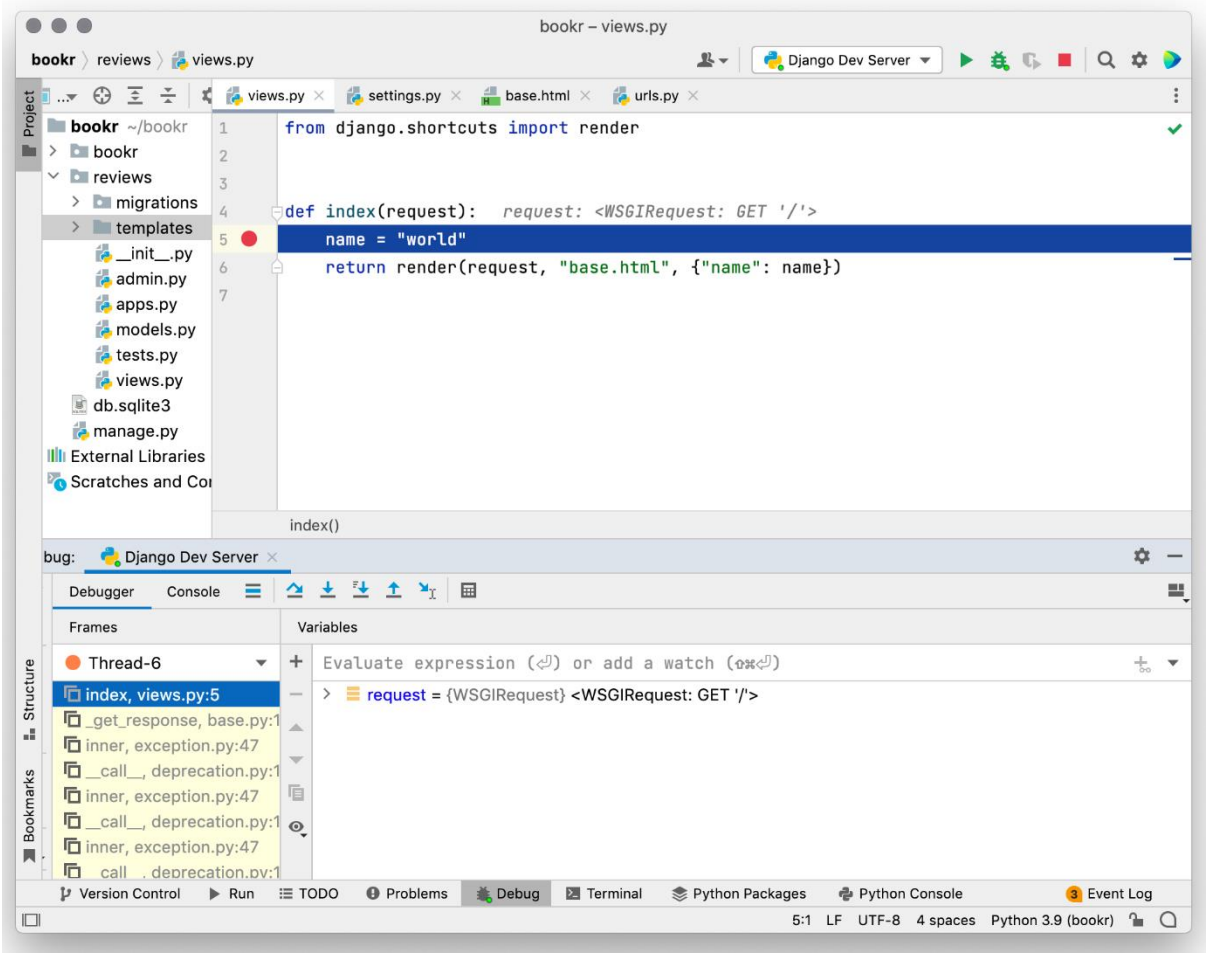

Title
127.0.0.1:8000
Hello, world!


NameError at /
127.0.0.1:8000
NameError at /
name 'invalid_name' is not defined
Request Method: GET
Request URL: http://127.0.0.1:8000/
Django Version: 4.0
Exception Type: NameError
Exception Value: name 'invalid_name' is not defined
Exception Location: /Users/ben/bookr/reviews/views.py, line 6, in index
Python Executable: /Users/ben/.virtualenvs/bookr/bin/python
Python Version: 3.9.7
Python Path: ['/Users/ben/bookr',
'/Users/ben/bookr',
'/usr/local/Cellar/python@3.9/3.9.7/Frameworks/Python.framework/Versions/3.9/lib/python39.zip',
'/usr/local/Cellar/python@3.9/3.9.7/Frameworks/Python.framework/Versions/3.9/lib/python3.9',
'/usr/local/Cellar/python@3.9/3.9.7/Frameworks/Python.framework/Versions/3.9/lib/python3.9/lib-dynload',
'/Users/ben/.virtualenvs/bookr/lib/python3.9/site-packages']
Server time: Sat, 01 Jan 2022 03:35:05 +0000
Traceback Switch to copy-and-paste view
/Users/ben/.virtualenvs/bookr/lib/python3.9/site-packages/django/core/handlers/exception.py, line 47, in inner
47. response = get_response(request)
▸ Local vars
/Users/ben/.virtualenvs/bookr/lib/python3.9/site-packages/django/core/handlers/base.py, line 181, in _get_response
181. response = wrapped_callback(request, *callback_args, **callback_kwargs)
▸ Local vars
/Users/ben/bookr/reviews/views.py, line 6, in index
6. return render(request, "base.html", {"name": invalid_name})
127.0.0.1:8000/#

/Users/ben/bookr/reviews/views.py, line 6, in index
6. return render(request, "base.html", {"name": invalid_name})
▼ Local vars
Variable Value
name 'world'
request <WSGIRequest: GET '/'>


Django Dev Server


4 def index(request):
5 name = "world"
6 return render(requ


bookr – views.py
bookr 〉 reviews 〉 views.py
Django Dev Server
views.py
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bookr ~/bookr
bookr
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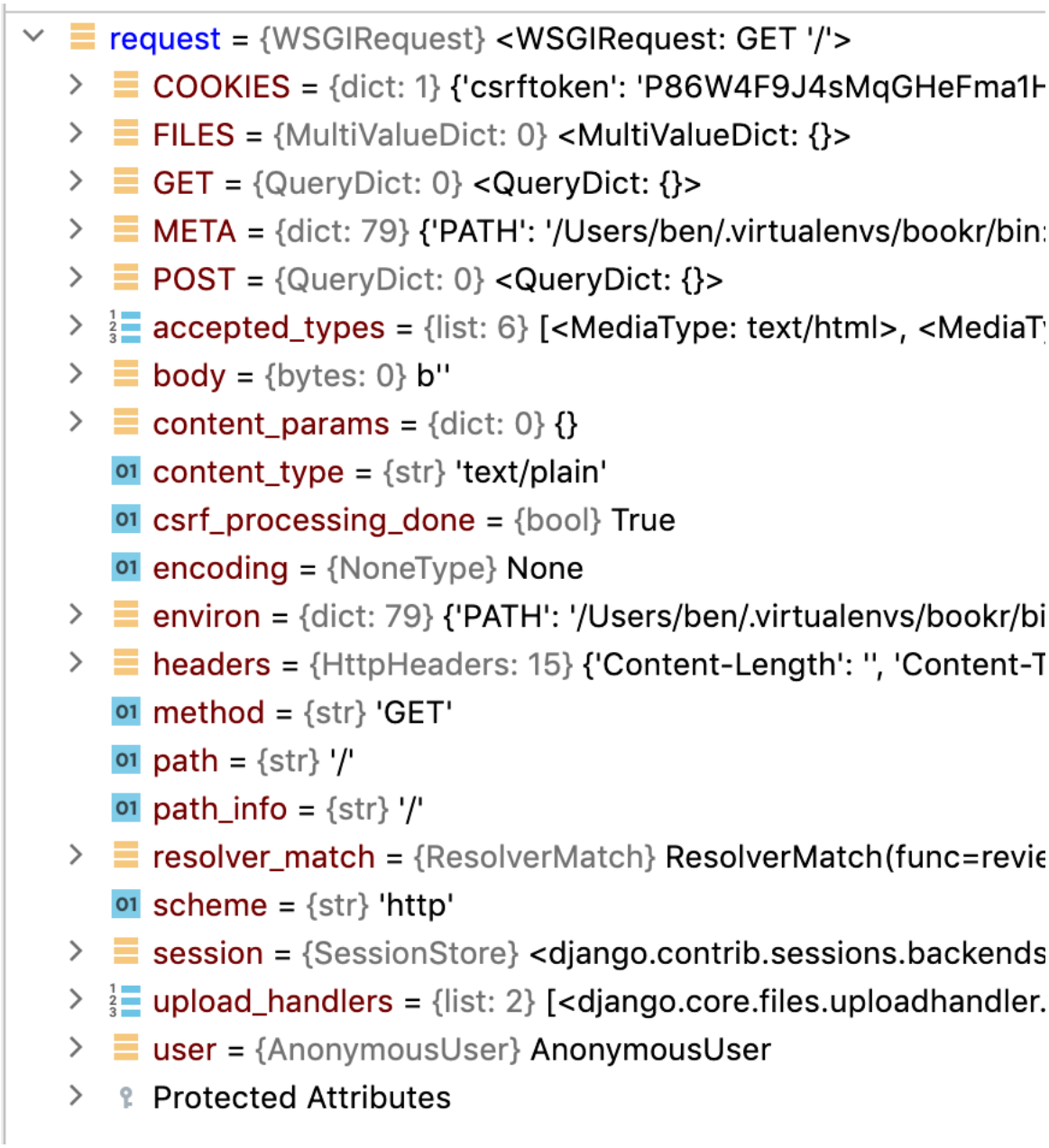
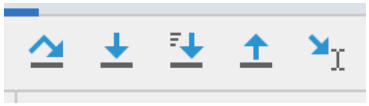
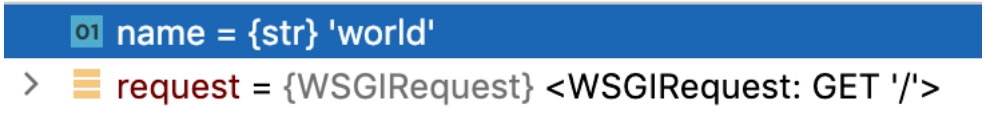
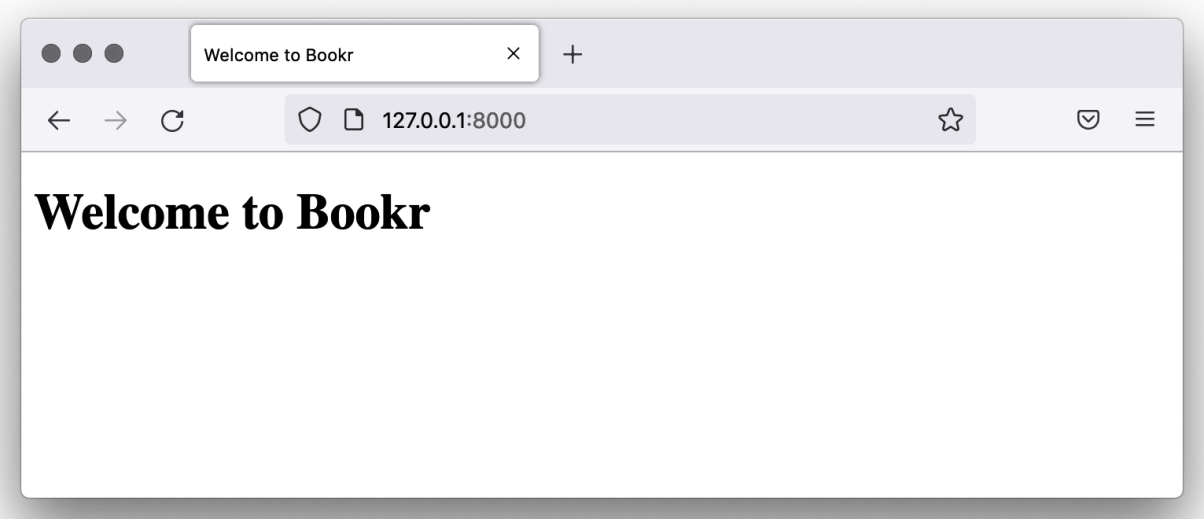
apps.py
models.py
tests.py
views.py
db.sqlite3
manage.py
External Libraries
Scratches and Co
1 from django.shortcuts import render
4 def index(request): request: <WSGIRequest: GET '/'>
5 name = "world"
6 return render(request, "base.html", {"name": name})
index()
bug: Django Dev Server
Debugger
Console
Frames
Variables
Thread-6
Evaluate expression (⏎) or add a watch (⇧⌘⏎)
request = {WSGIRequest} <WSGIRequest: GET '/'>
index, views.py:5
_get_response, base.py:1
inner, exception.py:47
__call__, deprecation.py:1
inner, exception.py:47
__call__, deprecation.py:1
inner, exception.py:47
Structure
Bookmarks
Version Control
Run
TODO
Problems
Debug
Terminal
Python Packages
Python Console
Event Log
5:1 LF UTF-8 4 spaces Python 3.9 (bookr)


request = {WSGIRequest} <WSGIRequest: GET '/'>
COOKIES = {dict: 1} {'csrftoken': 'P86W4F9J4sMqGHeFma1H
FILES = {MultiValueDict: 0} <MultiValueDict: {}>
GET = {QueryDict: 0} <QueryDict: {}>
META = {dict: 79} {'PATH': '/Users/ben/.virtualenvs/bookr/bin
POST = {QueryDict: 0} <QueryDict: {}>
accepted_types = {list: 6} [<MediaType: text/html>, <MediaT
body = {bytes: 0} b''
content_params = {dict: 0} {}
content_type = {str} 'text/plain'
csrf_processing_done = {bool} True
encoding = {NoneType} None
environ = {dict: 79} {'PATH': '/Users/ben/.virtualenvs/bookr/bi
headers = {HttpHeaders: 15} {'Content-Length': '', 'Content-T
method = {str} 'GET'
path = {str} '/'
path_info = {str} '/'
resolver_match = {ResolverMatch} ResolverMatch(func=revie
scheme = {str} 'http'
session = {SessionStore} <django.contrib.sessions.backends
upload_handlers = {list: 2} [<django.core.files.uploadhandler.
user = {AnonymousUser} AnonymousUser
Protected Attributes



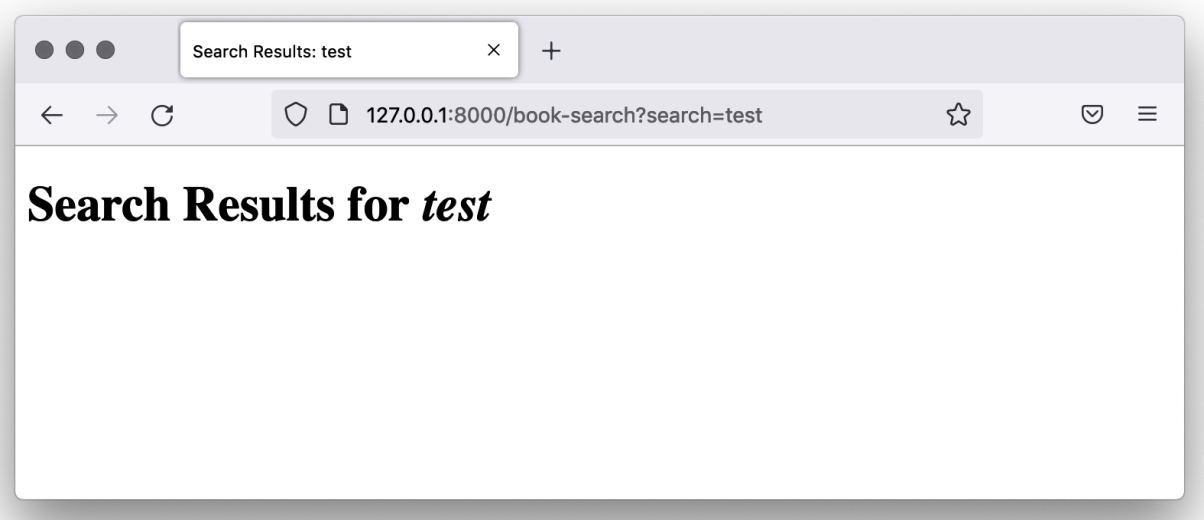

name = {str} 'world'
request = {WSGIRequest} <WSGIRequest: GET '/'>

```
4  def index(request):
5      name = "world"
6      return render(requ
```

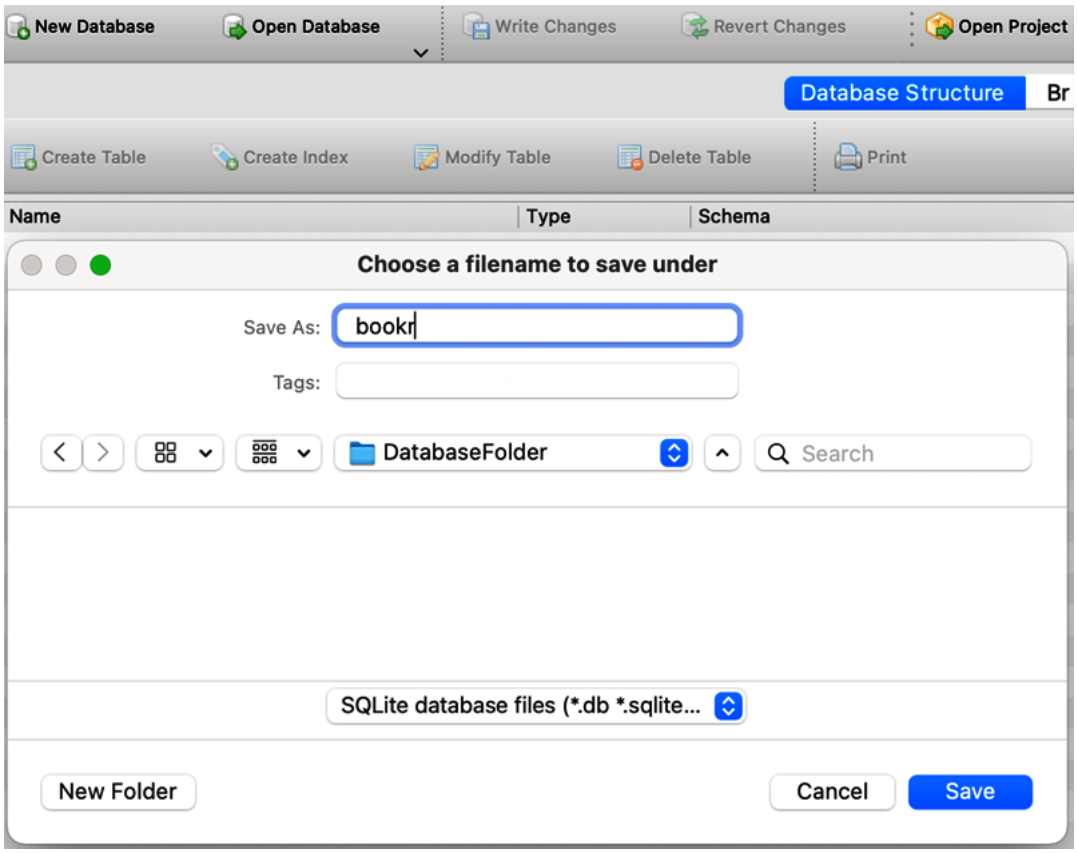

Welcome to Bookr
127.0.0.1:8000
Welcome to Bookr

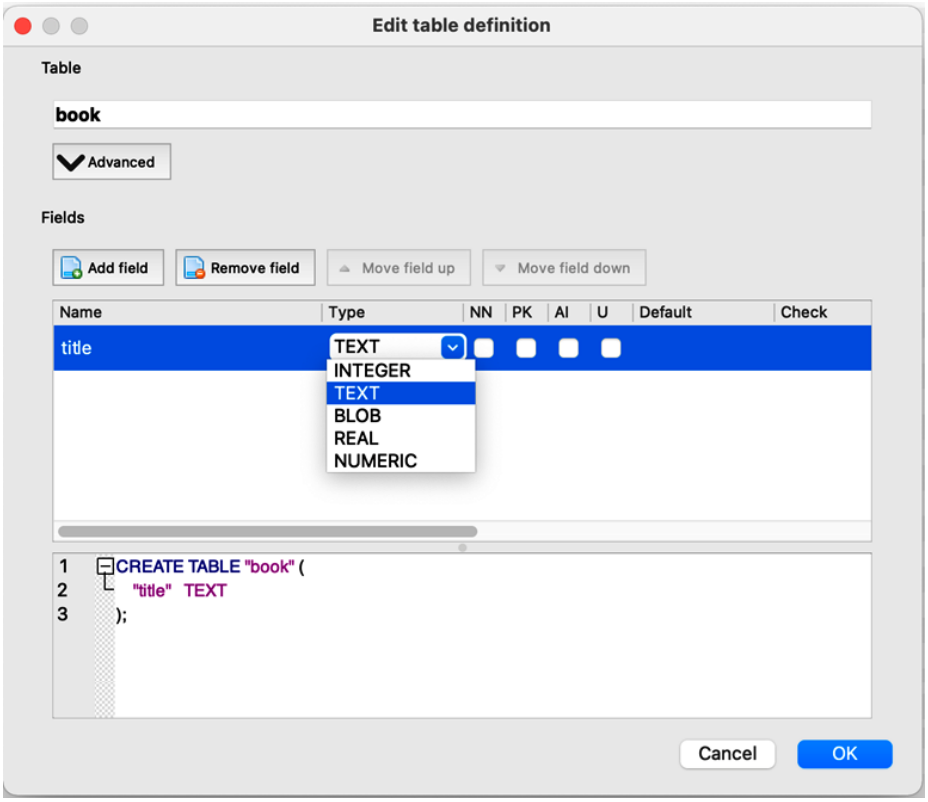
Search Results: Web Development
127.0.0.1:8000/book-search?search=Web Development with Django
Search Results for Web Development with Django

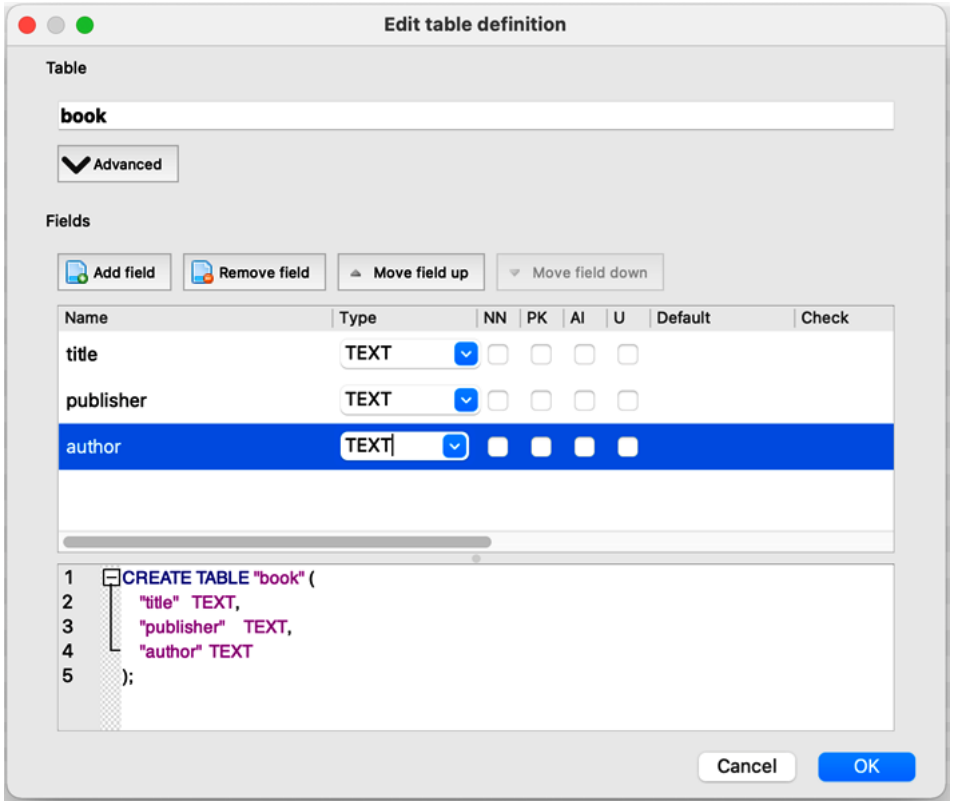
Search Results: </html>
127.0.0.1:8000/book-search?search=</html>
Search Results for </html>


Search Results: test
127.0.0.1:8000/book-search?search=test
Search Results for test

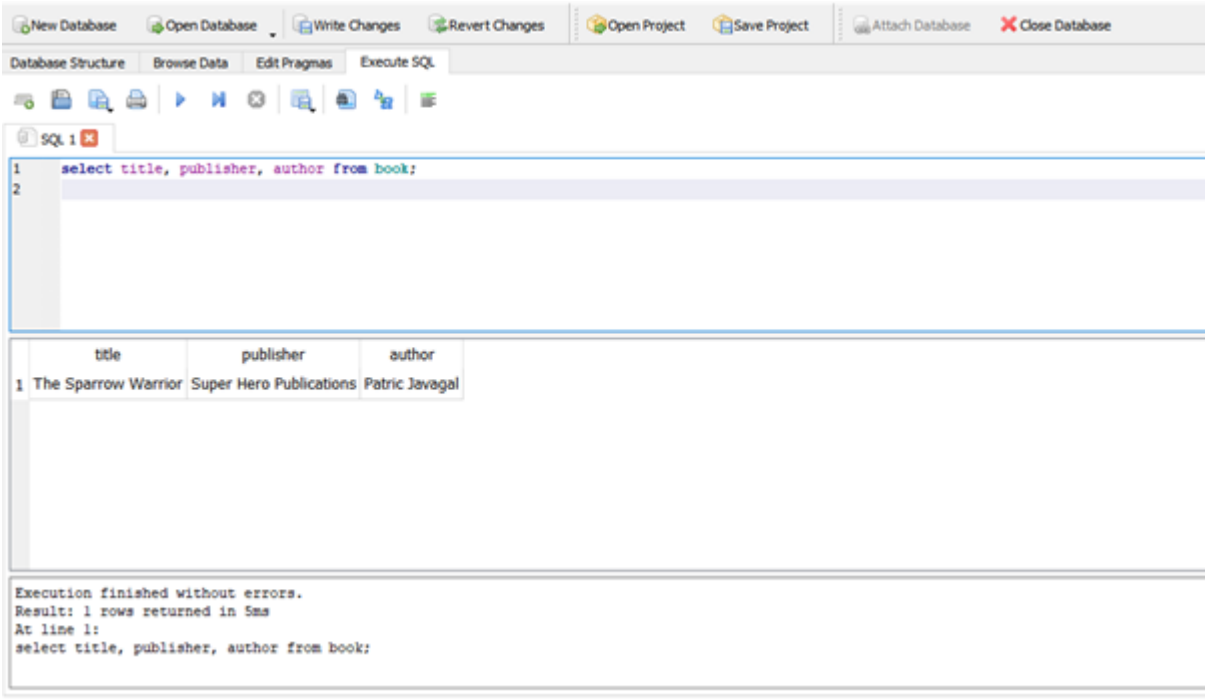
Chapter 02: Models and Migrations




Edit table definition
Table
book
Advanced
Fields
Add field
Remove field
Move field up
Move field down
Name
Type
NN
PK
AI
U
Default
Check
title
TEXT
INTEGER
TEXT
BLOB
REAL
NUMERIC
1 CREATE TABLE "book" (
2 "title" TEXT
3);
Cancel
OK


Edit table definition
Table
book
Advanced
Fields
Add field
Remove field
Move field up
Move field down
Name
Type
NN
PK
AI
U
Default
Check
title
TEXT
publisher
TEXT
author
TEXT
1 CREATE TABLE "book" (
2 "title" TEXT,
3 "publisher" TEXT,
4 "author" TEXT
5);
Cancel
OK

Name	Type	Schema
Tables (1)		
book		CREATE TABLE "book" ("title" TEXT,"publisher" TEXT,"author" TEXT)
title	TEXT	"title" TEXT
publisher	TEXT	"publisher" TEXT
author	TEXT	"author" TEXT
Indices (0)		
Views (0)		
Triggers (0)		



	title	publisher	author
1	The Sparrow Warrior	Super Hero Publications	Patric Javagal
2	Ninja Warrior	East Hill Publications	Edward Smith
3	The European History	Northside Publications	Eric Robbins

	title	publisher	author
	Filter	Filter	Filter
1	The Sparrow Warrior	Northside Publications	Patric Javagal
2	Ninja Warrior	East Hill Publications	Edward Smith
3	The European History	Northside Publications	Eric Robbins

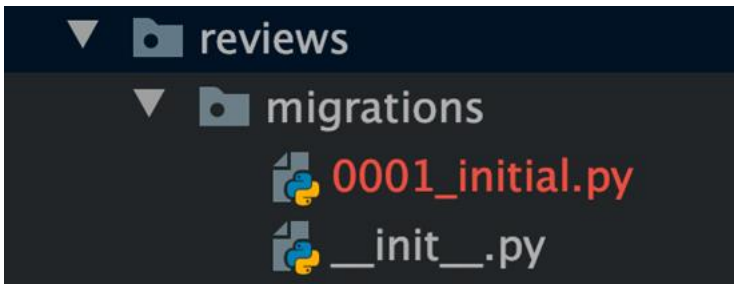
	title	publisher	author
1	Ninja Warrior	East Hill Publications	Edward Smith
2	The European History	Northside Publications	Eric Robbins

Name	Type	Schema
Tables (11)		
auth_group		CREATE TABLE "auth_group" ("id" integer NOT NULL PRIMARY KE
auth_group_permissions		CREATE TABLE "auth_group_permissions" ("id" integer NOT NULL
auth_permission		CREATE TABLE "auth_permission" ("id" integer NOT NULL PRIMAR
auth_user		CREATE TABLE "auth_user" ("id" integer NOT NULL PRIMARY KEY
auth_user_groups		CREATE TABLE "auth_user_groups" ("id" integer NOT NULL PRIM
auth_user_user_permissions		CREATE TABLE "auth_user_user_permissions" ("id" integer NOT
django_admin_log		CREATE TABLE "django_admin_log" ("id" integer NOT NULL PRIM
django_content_type		CREATE TABLE "django_content_type" ("id" integer NOT NULL PR
django_migrations		CREATE TABLE "django_migrations" ("id" integer NOT NULL PRIM
django_session		CREATE TABLE "django_session" ("session_key" varchar(40) NOT
sqlite_sequence		CREATE TABLE sqlite_sequence(name,seq)
Indices (15)		
Views (0)		
Triggers (0)		

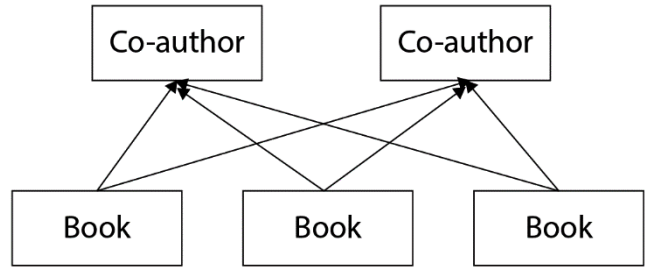
Name	Type	Schema
Tables (11)		
auth_group		CREATE TABLE "auth_group" ("id" integer NOT NULL PRIM
id	integer	"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT
name	varchar(150)	"name" varchar(150) NOT NULL UNIQUE
auth_group_permissions		CREATE TABLE "auth_group_permissions" ("id" integer NOT
id	integer	"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT
group_id	integer	"group_id" integer NOT NULL
permission_id	integer	"permission_id" integer NOT NULL
auth_permission		CREATE TABLE "auth_permission" ("id" integer NOT NULL
id	integer	"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT
content_type_id	integer	"content_type_id" integer NOT NULL
codename	varchar(100)	"codename" varchar(100) NOT NULL
name	varchar(255)	"name" varchar(255) NOT NULL

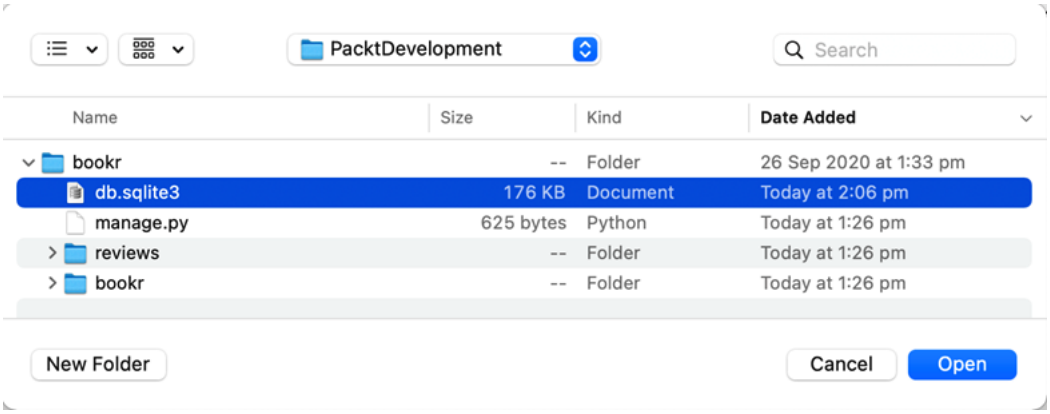
Table: auth_group_permissions

id	group_id	permission_id
Filter	Filter	Filter

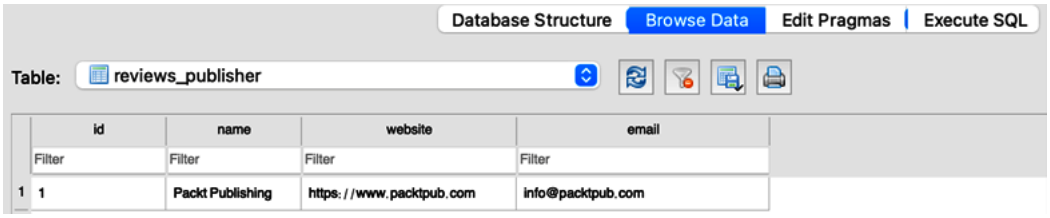


reviews_publisher		CREATE TABLE "reviews_publisher" ("id" integer NOT N
id	integer	"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT
name	varchar(50)	"name" varchar(50) NOT NULL
website	varchar(200)	"website" varchar(200) NOT NULL
email	varchar(254)	"email" varchar(254) NOT NULL

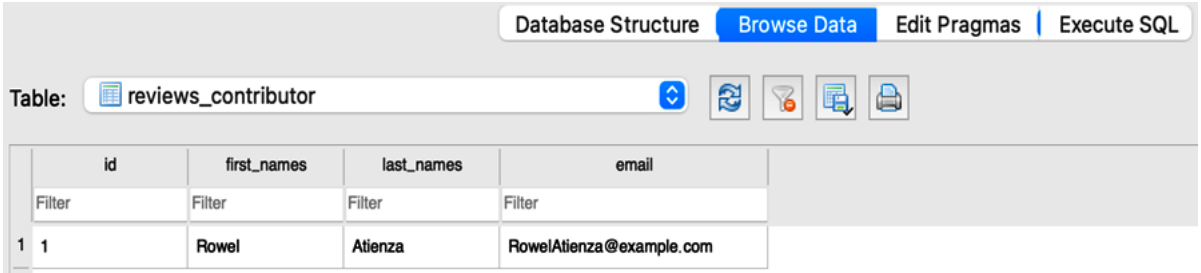


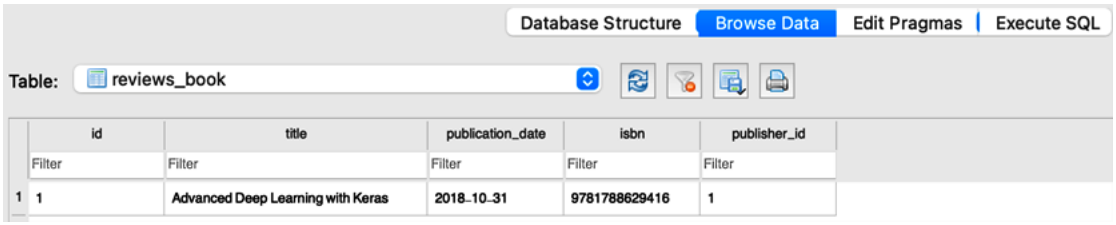


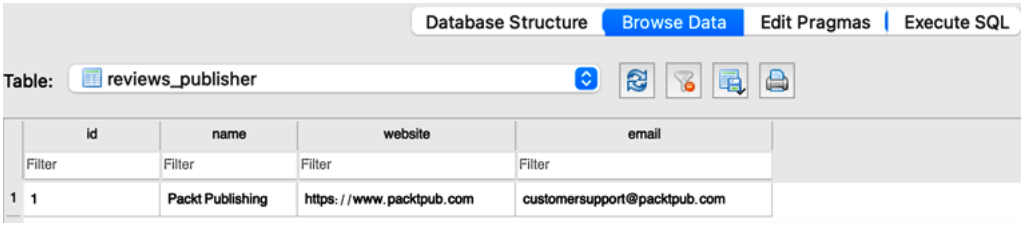
reviews_book		CREATE TABLE "reviews_book" ("id" integer NOT NULL PRIMARY K
id	integer	"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT
title	varchar(70)	"title" varchar(70) NOT NULL
publication_date	date	"publication_date" date NOT NULL
isbn	varchar(20)	"isbn" varchar(20) NOT NULL
publisher_id	integer	"publisher_id" integer NOT NULL
reviews_bookcontributor		CREATE TABLE "reviews_bookcontributor" ("id" integer NOT NULL
id	integer	"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT
role	varchar(20)	"role" varchar(20) NOT NULL
book_id	integer	"book_id" integer NOT NULL
contributor_id	integer	"contributor_id" integer NOT NULL
reviews_contributor		CREATE TABLE "reviews_contributor" ("id" integer NOT NULL PRIM
id	integer	"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT
first_names	varchar(50)	"first_names" varchar(50) NOT NULL
last_names	varchar(50)	"last_names" varchar(50) NOT NULL
email	varchar(254)	"email" varchar(254) NOT NULL
reviews_publisher		CREATE TABLE "reviews_publisher" ("id" integer NOT NULL PRIMA
id	integer	"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT
name	varchar(50)	"name" varchar(50) NOT NULL
website	varchar(200)	"website" varchar(200) NOT NULL
email	varchar(254)	"email" varchar(254) NOT NULL
reviews_review		CREATE TABLE "reviews_review" ("id" integer NOT NULL PRIMARY
id	integer	"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT
content	text	"content" text NOT NULL
rating	integer	"rating" integer NOT NULL
date_created	datetime	"date_created" datetime NOT NULL
date_edited	datetime	"date_edited" datetime
book_id	integer	"book_id" integer NOT NULL
creator_id	integer	"creator_id" integer NOT NULL



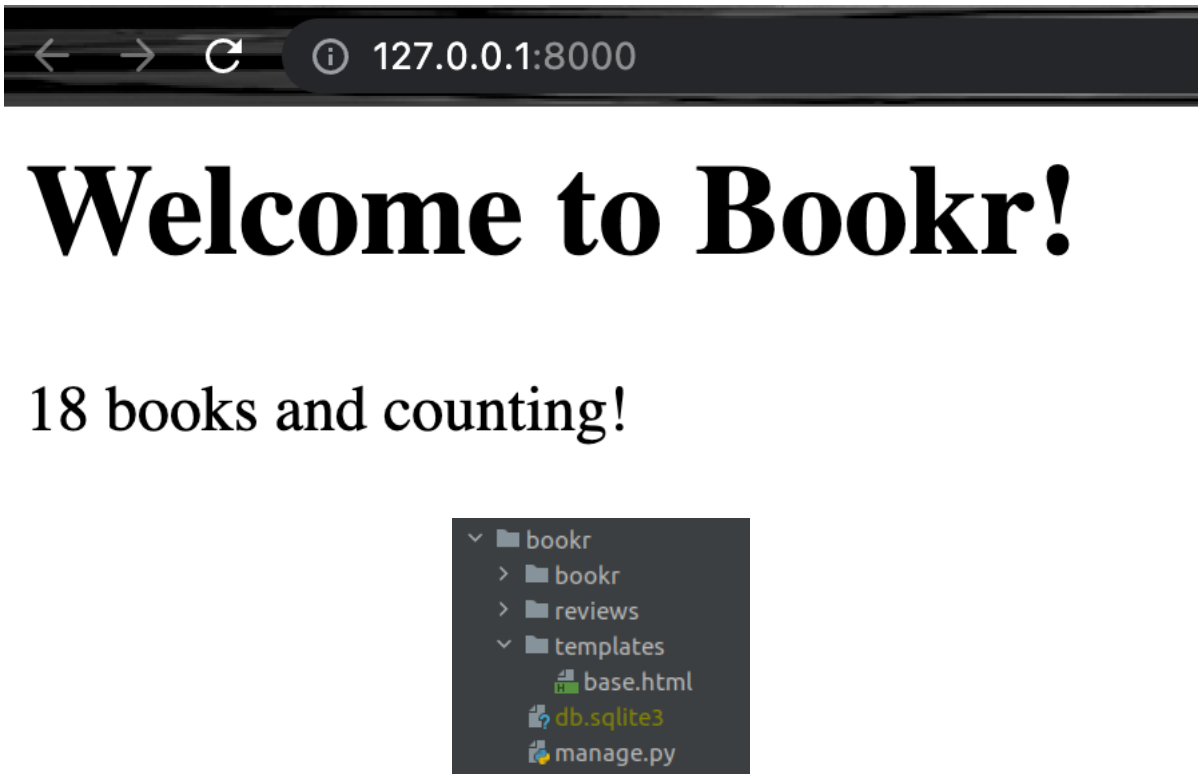
	id	name	website	email
	Filter	Filter	Filter	Filter
1	1	Packt Publishing	https://www.packtpub.com	customersupport@packtpub.com

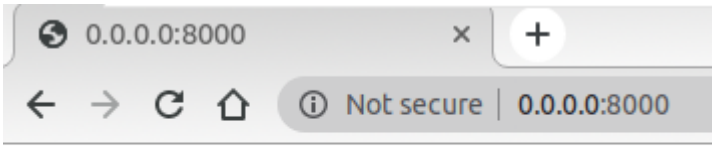



Database Structure
Browse Data
Edit Pragmas
Execute SQL
Table:
reviews_book
id
title
publication_date
isbn
publisher_id
Filter
1
1
Advanced Deep Learning with Keras
2018-10-31
9781788629416
1

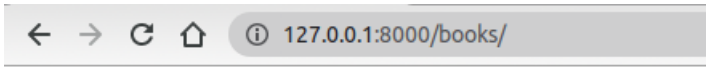

Database Structure
Browse Data
Edit Pragmas
Execute SQL
Table:
reviews_publisher
id
name
website
email
Filter
1
1
Packt Publishing
https://www.packtpub.com
customersupport@packtpub.com

Chapter 03: URL Mapping, Views, and Templates





Welcome to Bookr!



Book Review application

- Title: Advanced Deep Learning with Keras
  Publisher: Packt Publishing
  Publication Date: Oct. 31, 2018
  Rating: 4
  Number of reviews: 2

- Title: Hands-On Machine Learning for Algorithmic Trading
  Publisher: Packt Publishing
  Publication Date: Dec. 31, 2018
  Rating: None
  Number of reviews: 0
  Provide a rating and write the first review for this book.

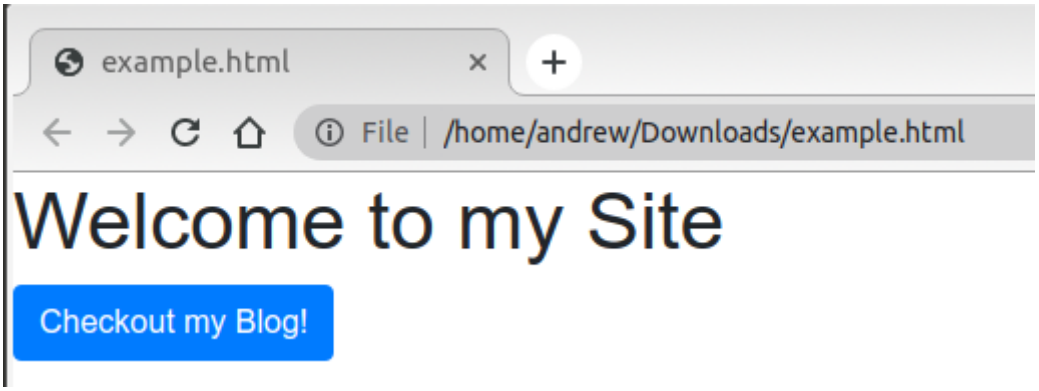
- Title: Architects of Intelligence
  Publisher: Packt Publishing
  Publication Date: Nov. 23, 2018
  Rating: None
  Number of reviews: 0
  Provide a rating and write the first review for this book.

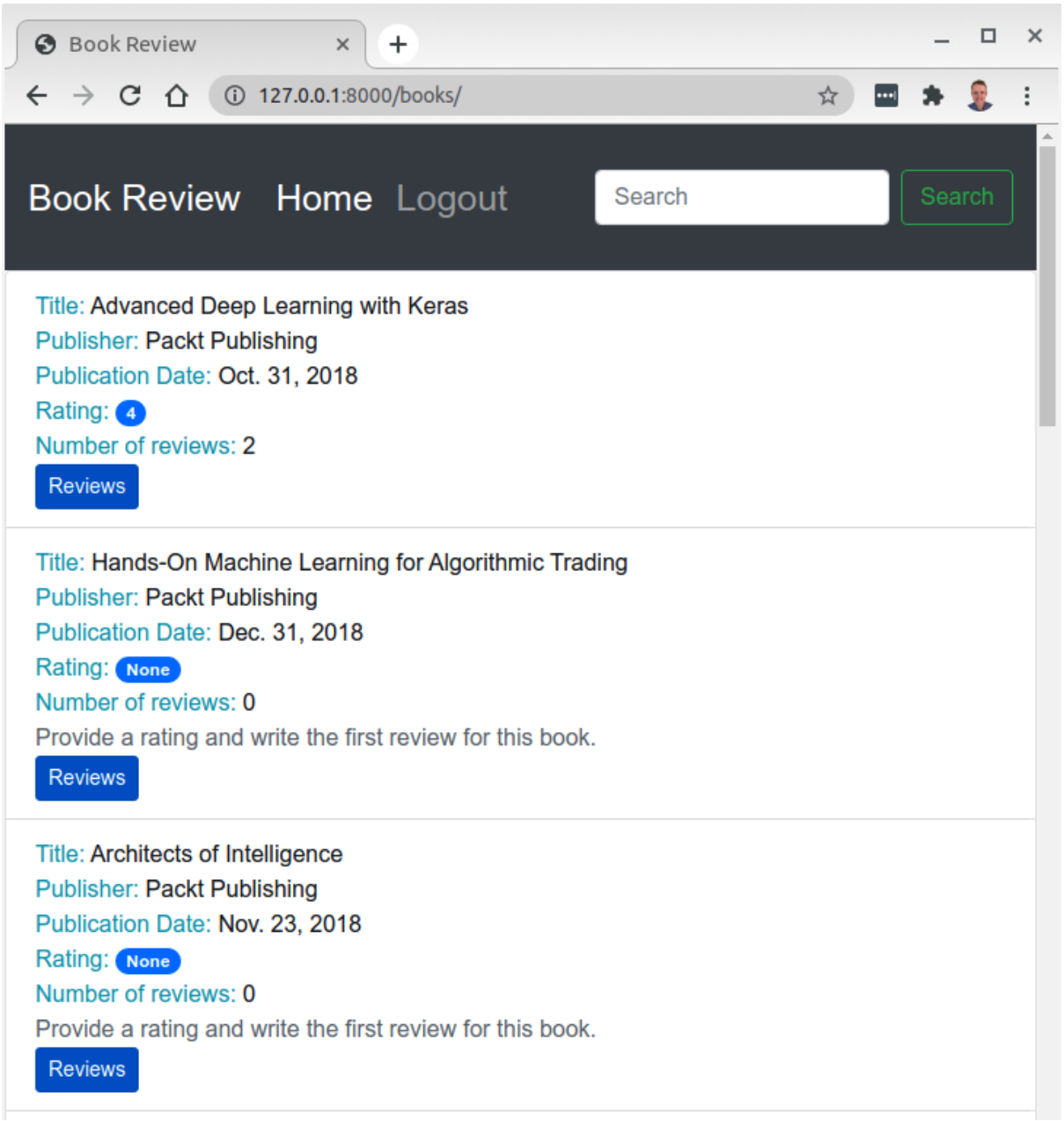
- Title: Deep Reinforcement Learning Hands-On
  Publisher: Packt Publishing
  Publication Date: June 20, 2018
  Rating: None
  Number of reviews: 0
  Provide a rating and write the first review for this book.

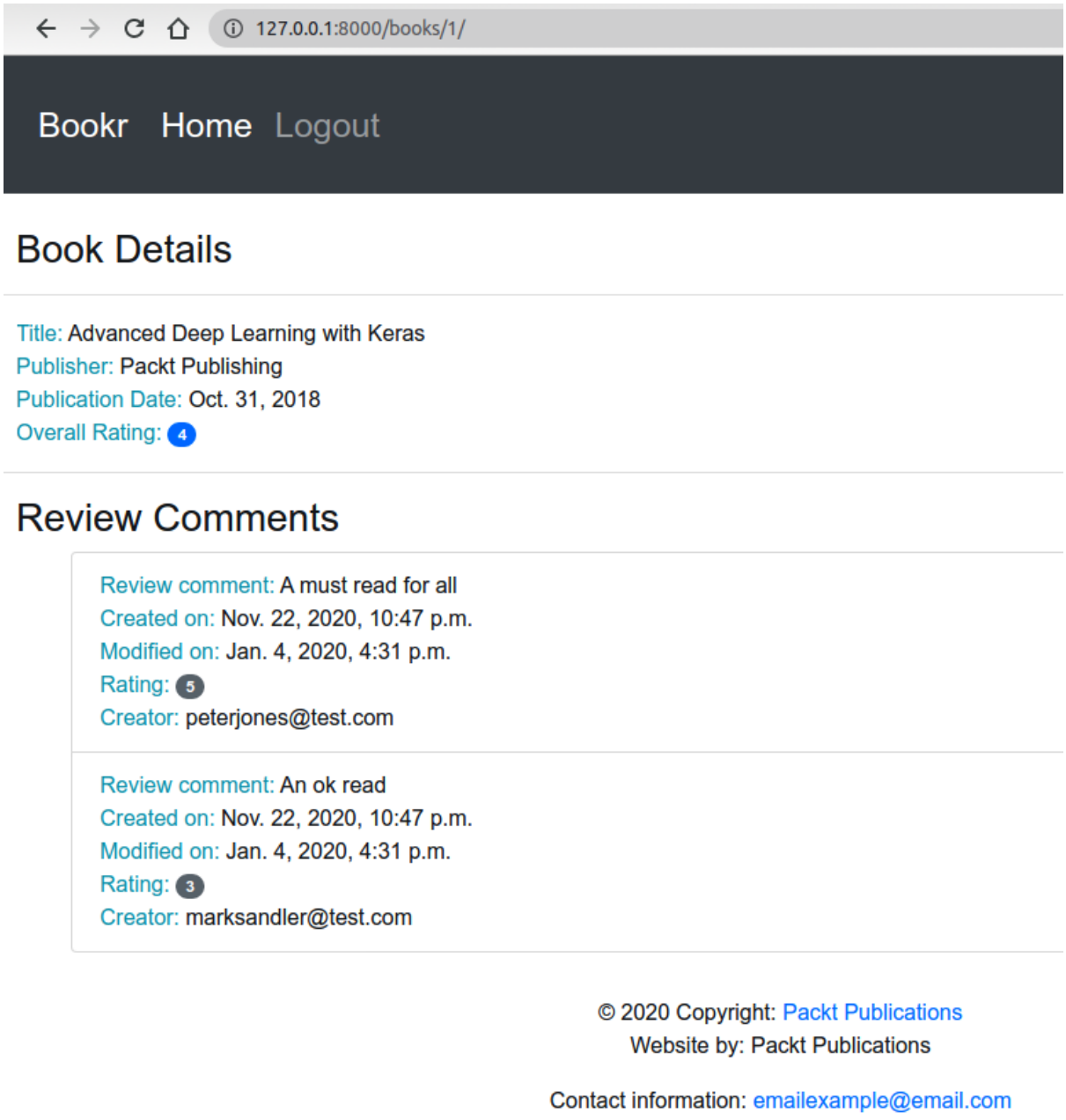
- Title: Natural Language Processing with TensorFlow
  Publisher: Packt Publishing
  Publication Date: May 30, 2018
  Rating: None
  Number of reviews: 0
  Provide a rating and write the first review for this book.

Hello World using Django templates!

How are you doing?

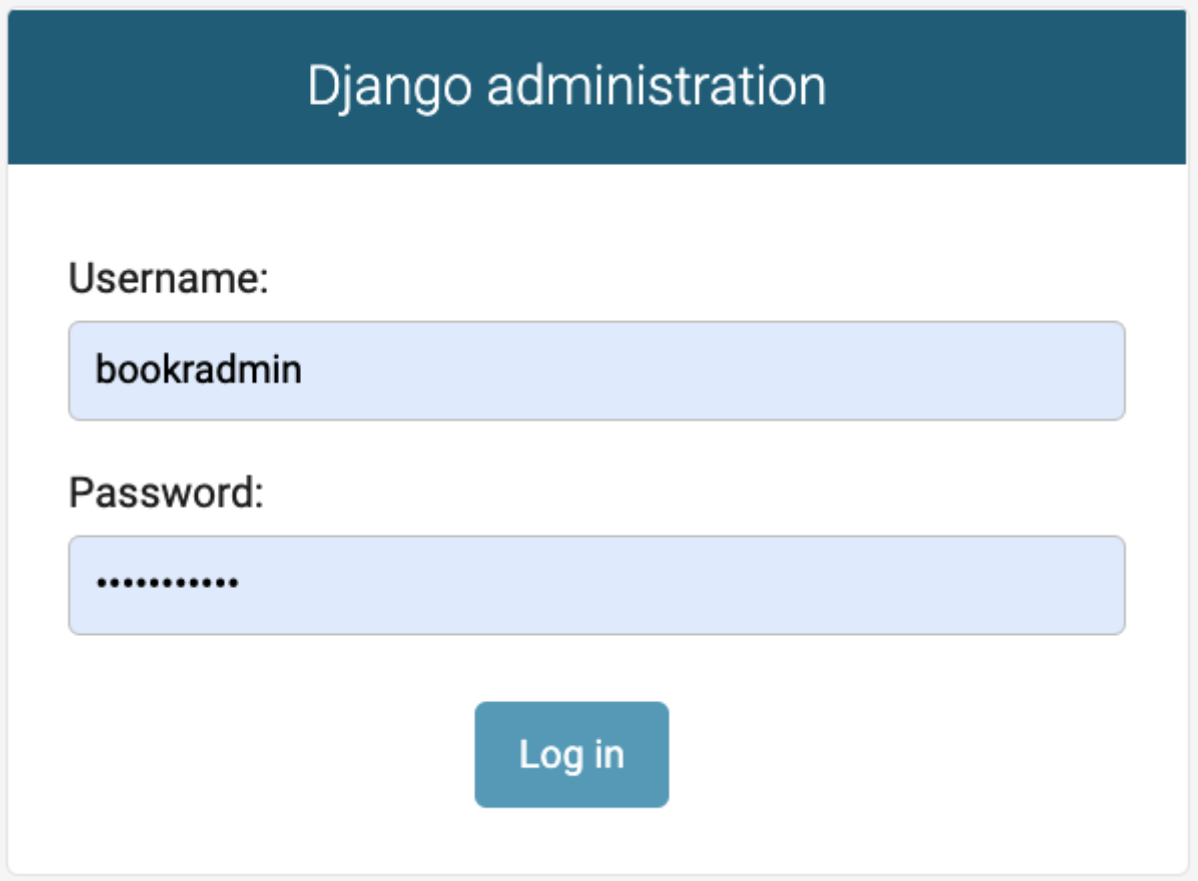

example.html
File | /home/andrew/Downloads/example.html
Welcome to my Site
Checkout my Blog!


Book Review
127.0.0.1:8000/books/
Book Review Home Logout
Search
Search
Title: Advanced Deep Learning with Keras
Publisher: Packt Publishing
Publication Date: Oct. 31, 2018
Rating: 4
Number of reviews: 2
Reviews
Title: Hands-On Machine Learning for Algorithmic Trading
Publisher: Packt Publishing
Publication Date: Dec. 31, 2018
Rating: None
Number of reviews: 0
Provide a rating and write the first review for this book.
Reviews
Title: Architects of Intelligence
Publisher: Packt Publishing
Publication Date: Nov. 23, 2018
Rating: None
Number of reviews: 0
Provide a rating and write the first review for this book.
Reviews


127.0.0.1:8000/books/1/
Bookr Home Logout
Book Details
Title: Advanced Deep Learning with Keras
Publisher: Packt Publishing
Publication Date: Oct. 31, 2018
Overall Rating: 4
Review Comments
Review comment: A must read for all
Created on: Nov. 22, 2020, 10:47 p.m.
Modified on: Jan. 4, 2020, 4:31 p.m.
Rating: 5
Creator: peterjones@test.com
Review comment: An ok read
Created on: Nov. 22, 2020, 10:47 p.m.
Modified on: Jan. 4, 2020, 4:31 p.m.
Rating: 3
Creator: marksandler@test.com
© 2020 Copyright: Packt Publications
Website by: Packt Publications
Contact information: emailexample@email.com

Chapter 04: An Introduction to Django Admin

```
> python manage.py createsuperuser
Username (leave blank to use 'django'): bookradmin
Email address: bookradmin@example.com
Password:
Password (again):
Superuser created successfully.
>
```



Django administration

WELCOME, **BOOKRADMIN**. VIEW SITE / CHANGE PASSWORD / LOG OUT

Site administration

AUTHENTICATION AND AUTHORIZATION		
Groups	+ Add	Change
Users	+ Add	Change

Recent actions

My actions

None available

Home › Authentication and Authorization › Users › Add user

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

Add user

First, enter a username and password. Then, you'll be able to edit more user options.

Username: alice

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

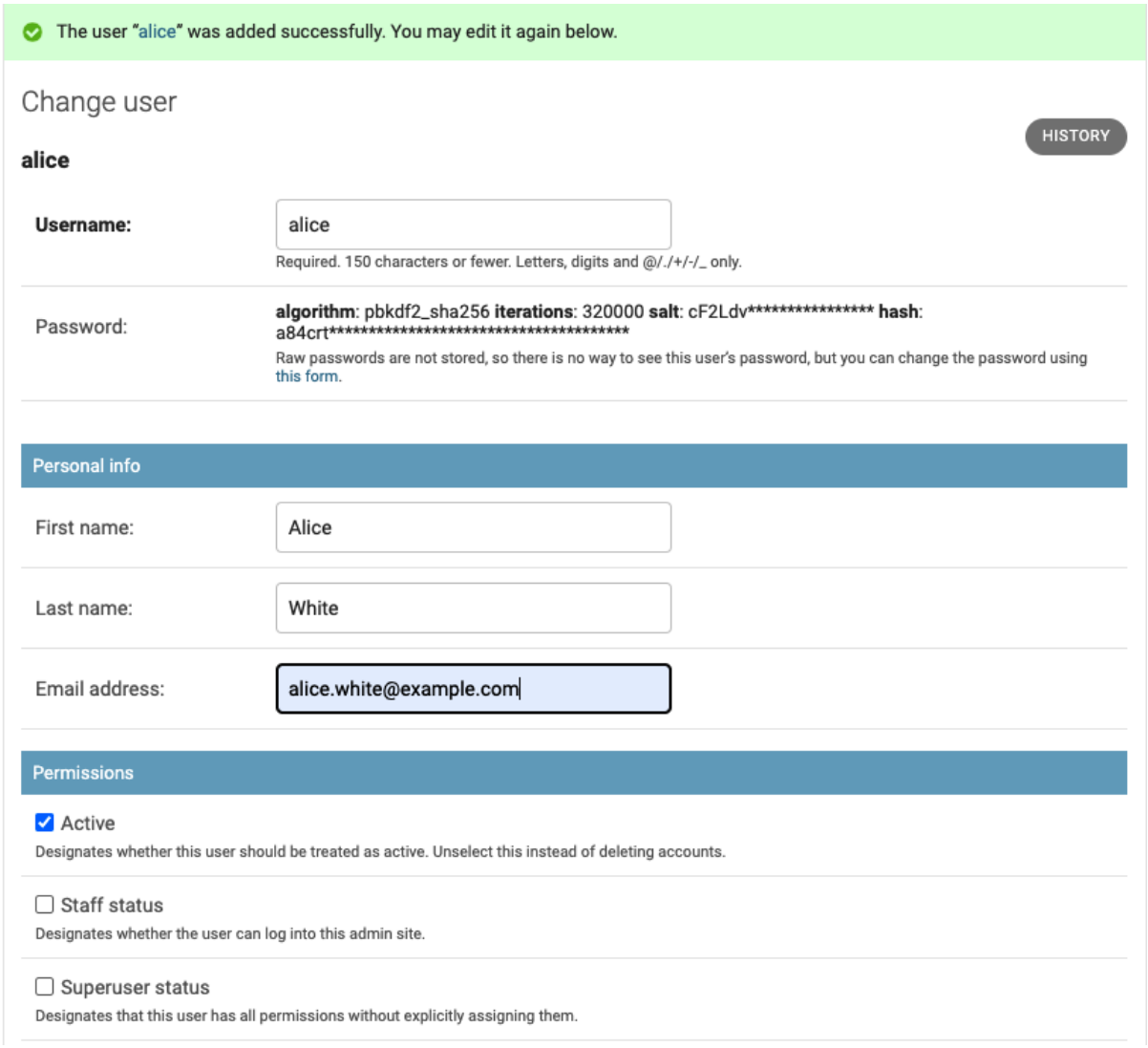
Password: ••••••••••

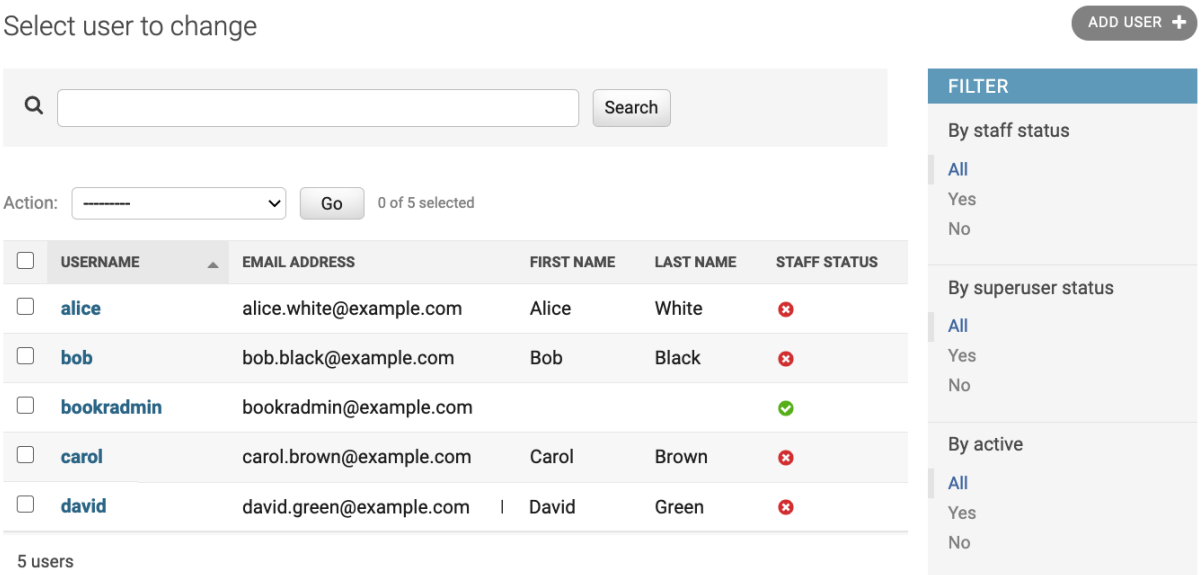
Your password can't be too similar to your other personal information.
Your password must contain at least 8 characters.
Your password can't be a commonly used password.
Your password can't be entirely numeric.

Password confirmation: ••••••••••

Enter the same password as before, for verification.

Save and add another | Save and continue editing | SAVE


The user "alice" was added successfully. You may edit it again below.
Change user
HISTORY
alice
Username:
alice
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.
Password:
algorithm: pbkdf2_sha256 iterations: 320000 salt: cF2Ldv********** hash: a84crt**********
Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using this form.
Personal info
First name:
Alice
Last name:
White
Email address:
alice.white@example.com
Permissions
Active
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.
Staff status
Designates whether the user can log into this admin site.
Superuser status
Designates that this user has all permissions without explicitly assigning them.


Select user to change
ADD USER +
Search
Action:
Go
0 of 5 selected
USERNAME
EMAIL ADDRESS
FIRST NAME
LAST NAME
STAFF STATUS
alice alice.white@example.com Alice White
bob bob.black@example.com Bob Black
bookradmin bookradmin@example.com
carol carol.brown@example.com Carol Brown
david david.green@example.com David Green
5 users
FILTER
By staff status
All
Yes
No
By superuser status
All
Yes
No
By active
All
Yes
No

Select user to change

ADD USER +

h@example.com Search

3 results (5 total)

Action: -------- Go 0 of 3 selected

	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAF
☐	bookradmin	bookradmin@example.com			✓
☐	carol	carol.brown@example.com	Carol	Brown	✗
☐	david	david.green@example.com	David	Green	✗

3 users

FILTER

By staff status

All
Yes
No

By superuser status

All
Yes
No

By active

All
Yes
No

Select user to change

ADD USER +

Search

Action: -------- Go 0 of 5 selected

	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAF
☐	alice	alice.white@example.com	Alice	White	✗
☐	bob	bob.black@example.com	Bob	Black	✗
☐	bookradmin	bookradmin@example.com			✓
☐	carol	carol.brown@example.com	Carol	Brown	✗
☐	david	david.green@example.com	David	Green	✗

5 users

FILTER

By staff status

All
Yes
No

By superuser status

All
Yes
No

By active

All
Yes
No

Django administration

WELCOME, **BOOKRADMIN**. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home › Authentication and Authorization › Users › bob

Change user

HISTORY

Username: bob

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password: **algorithm**: pbkdf2_sha256 **iterations**: 180000 **salt**: uC2Obk****** **hash**: 4vvlTw**********

Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using this form.

Personal info

First name: Bob

Last name: Black

Email address: bob.black@example.com

Permissions

☑ **Active**

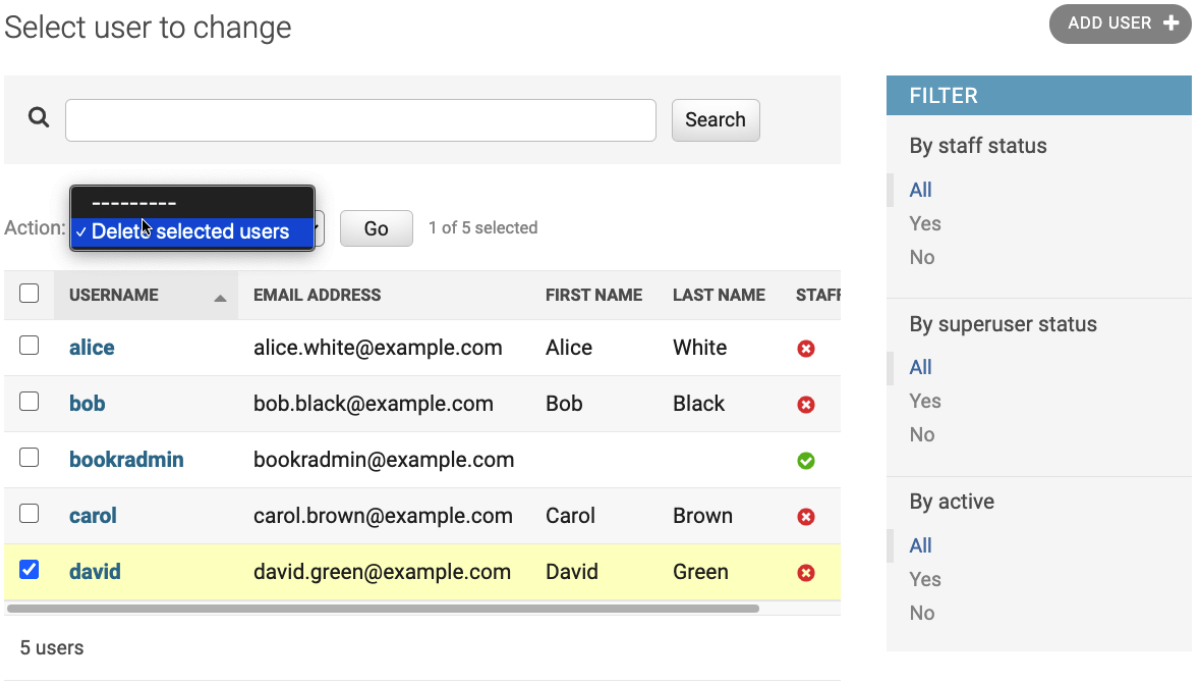
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

☐ **Staff status**

Designates whether the user can log into this admin site.

☐ **Superuser status**

Designates that this user has all permissions without explicitly assigning them.



Are you sure?

Are you sure you want to delete the selected user? All of the following objects and their related items will be deleted:

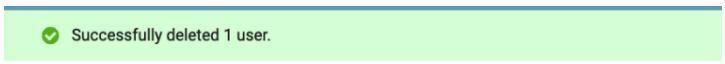
Summary

- Users: 1

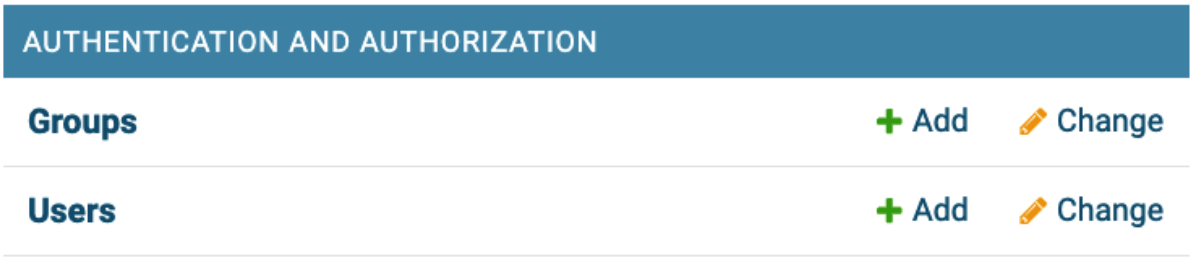
Objects

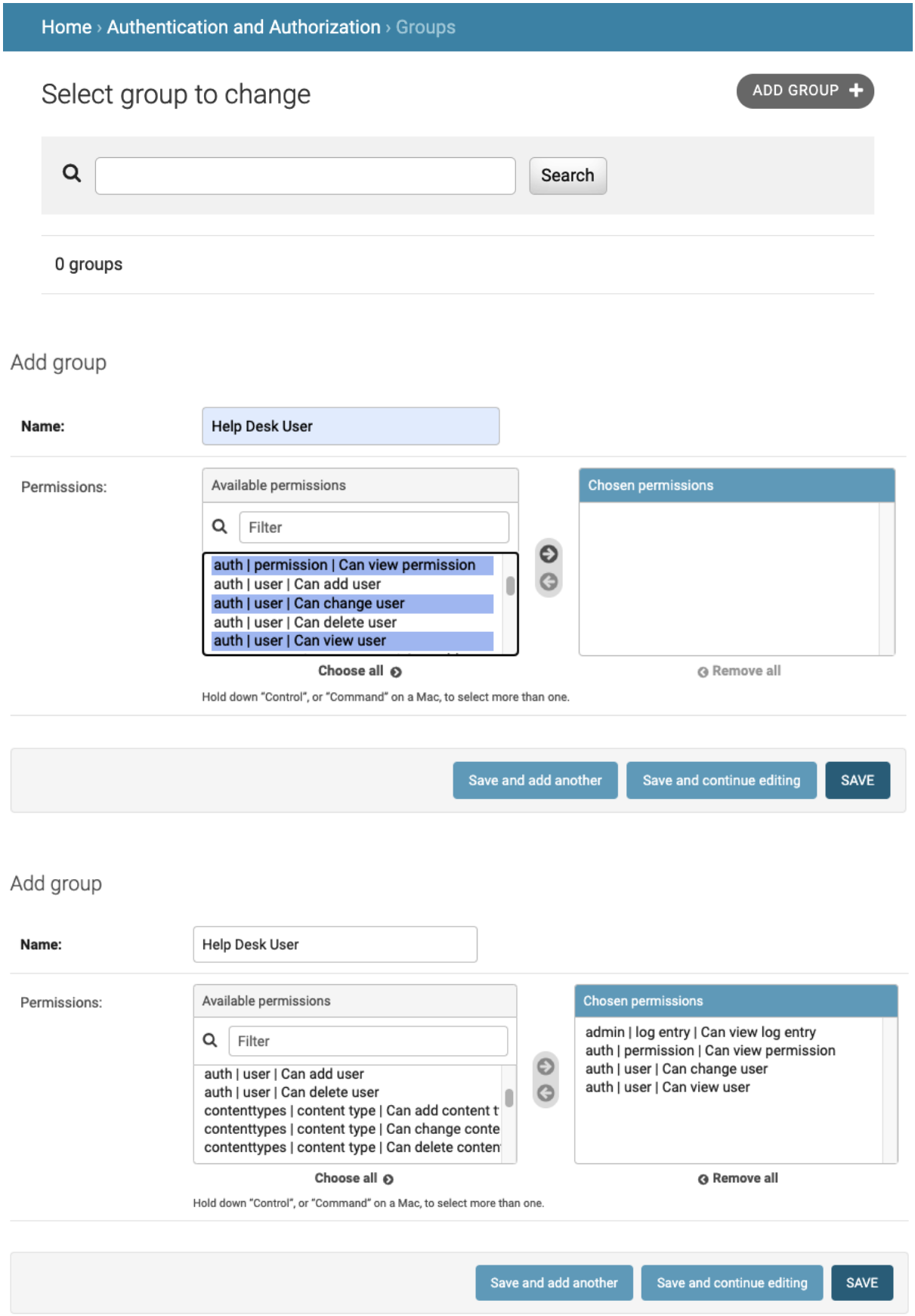
- User: david

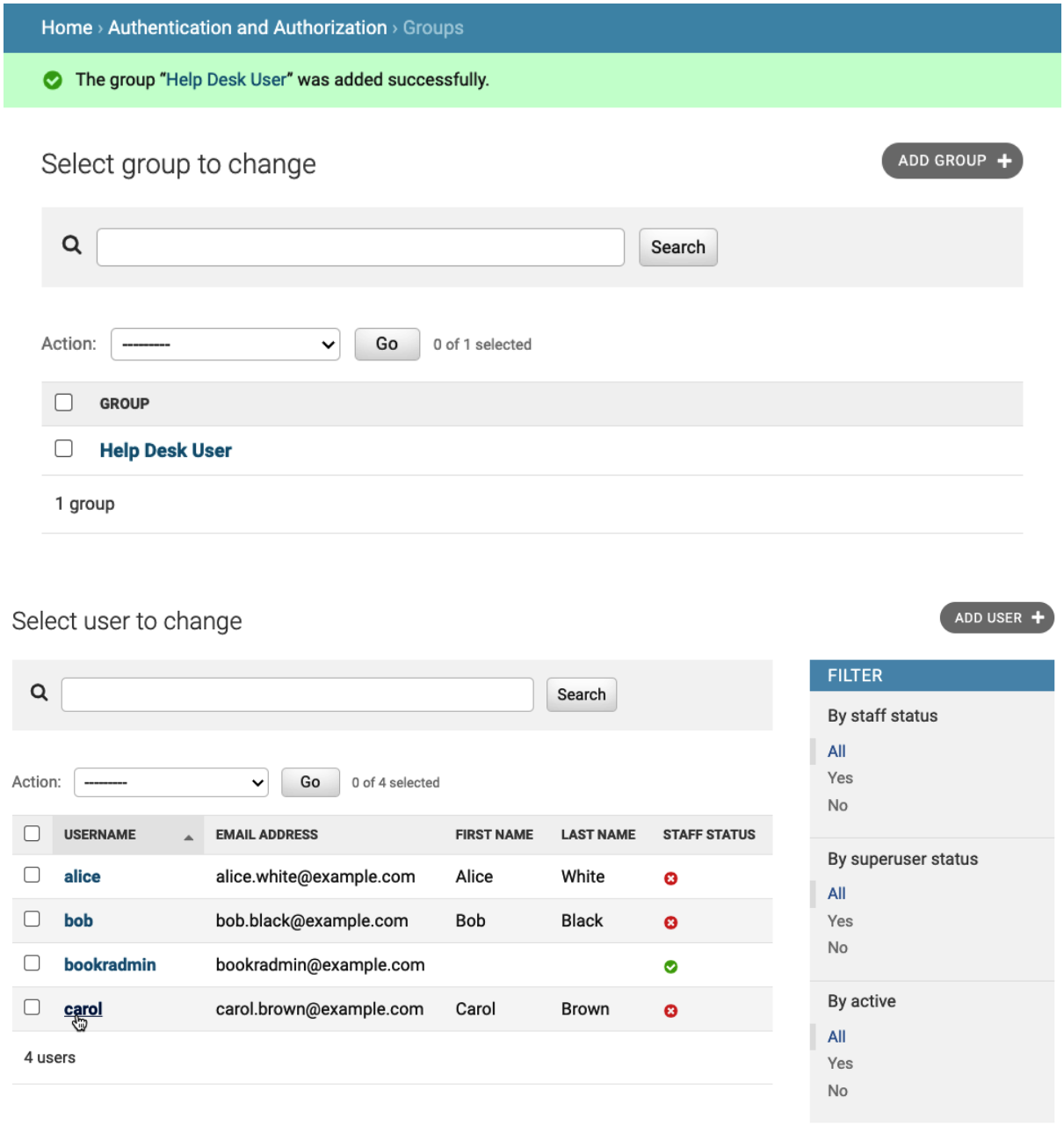
Yes, I'm sure | No, take me back

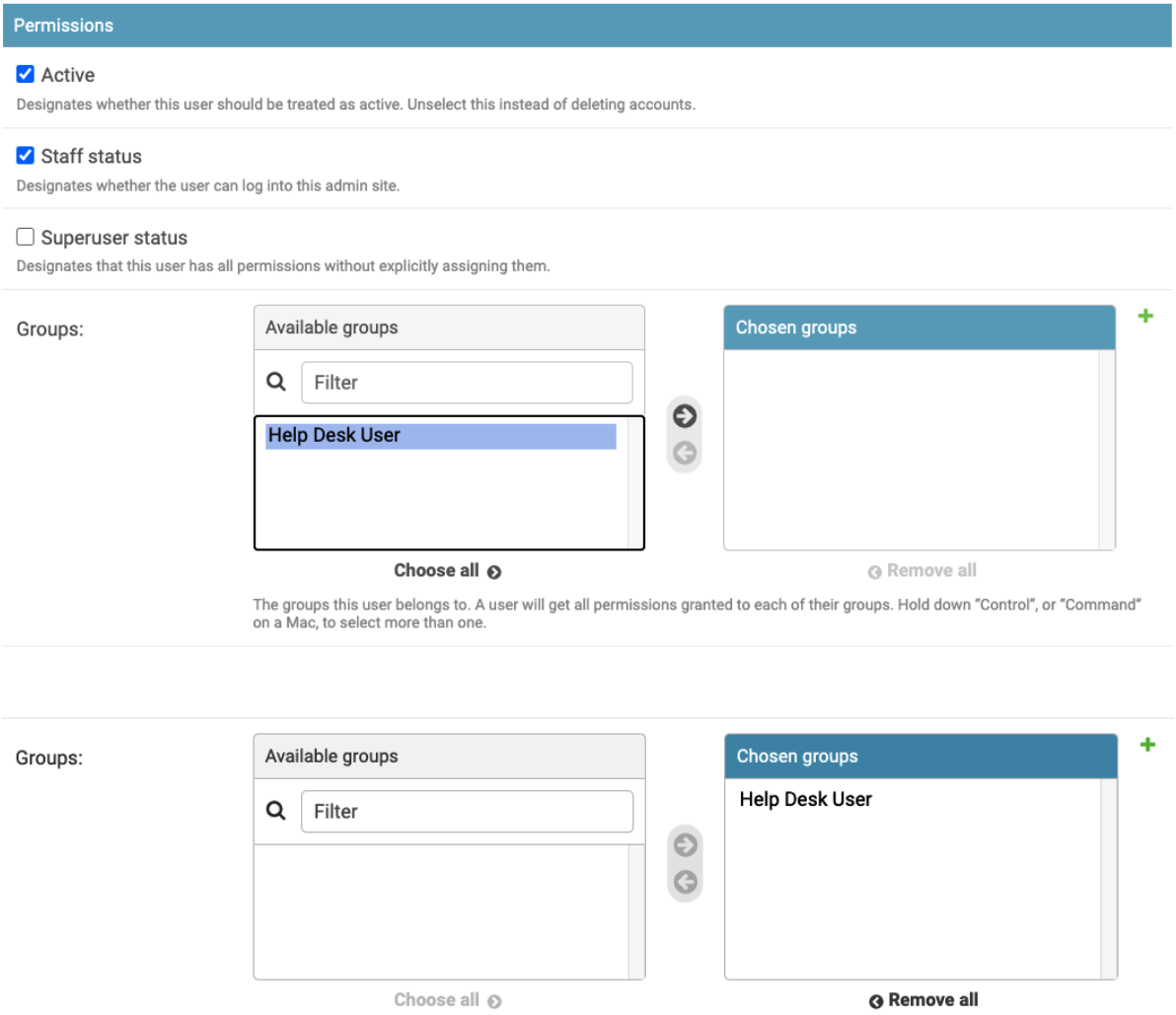


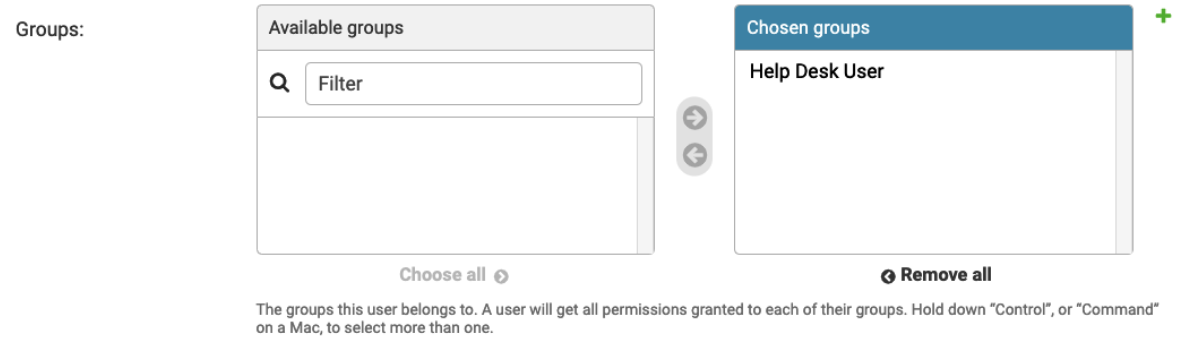
Site administration

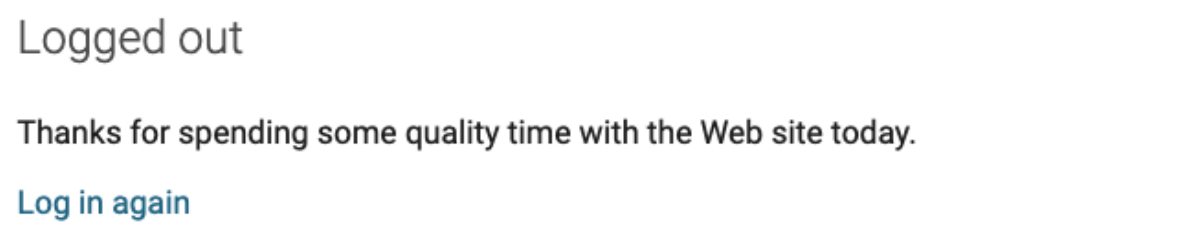


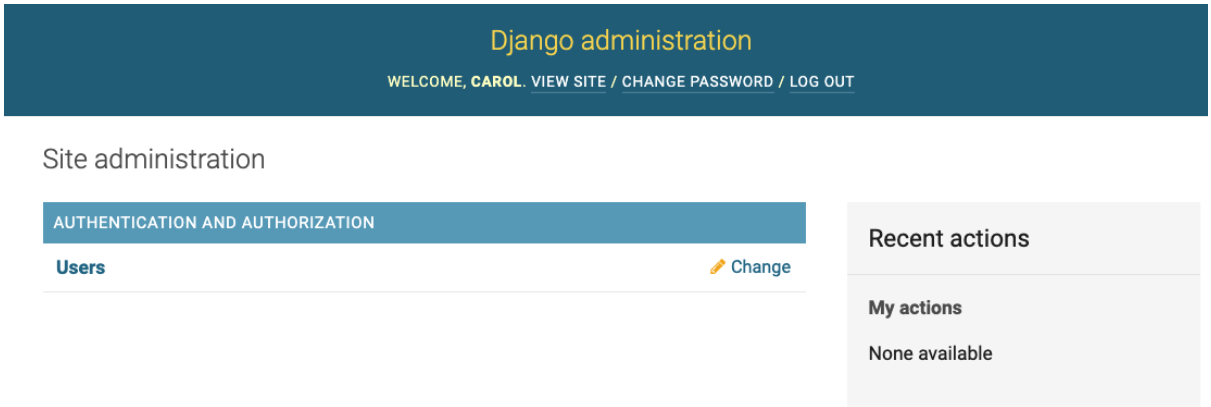

Home › Authentication and Authorization › Groups
Select group to change
ADD GROUP +
Search
0 groups
Add group
Name:
Help Desk User
Permissions:
Available permissions
Filter
auth | permission | Can view permission
auth | user | Can add user
auth | user | Can change user
auth | user | Can delete user
auth | user | Can view user
Choose all
Chosen permissions
Remove all
Hold down "Control", or "Command" on a Mac, to select more than one.
Save and add another
Save and continue editing
SAVE
Add group
Name:
Help Desk User
Permissions:
Available permissions
Filter
auth | user | Can add user
auth | user | Can delete user
contenttypes | content type | Can add content t
contenttypes | content type | Can change conte
contenttypes | content type | Can delete conten
Choose all
Chosen permissions
admin | log entry | Can view log entry
auth | permission | Can view permission
auth | user | Can change user
auth | user | Can view user
Remove all
Hold down "Control", or "Command" on a Mac, to select more than one.
Save and add another
Save and continue editing
SAVE


Home › Authentication and Authorization › Groups
The group "Help Desk User" was added successfully.
Select group to change
ADD GROUP +
Search
Action: --------- Go 0 of 1 selected
GROUP
Help Desk User
1 group
Select user to change
ADD USER +
Search
Action: --------- Go 0 of 4 selected
USERNAME
EMAIL ADDRESS
FIRST NAME
LAST NAME
STAFF STATUS
alice alice.white@example.com Alice White
bob bob.black@example.com Bob Black
bookradmin bookradmin@example.com
carol carol.brown@example.com Carol Brown
4 users
FILTER
By staff status
All
Yes
No
By superuser status
All
Yes
No
By active
All
Yes
No


Permissions
Active
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.
Staff status
Designates whether the user can log into this admin site.
Superuser status
Designates that this user has all permissions without explicitly assigning them.
Groups:
Available groups
Filter
Help Desk User
Choose all
Chosen groups
Remove all
The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.


Groups:
Available groups
Filter
Choose all
Chosen groups
Help Desk User
Remove all
The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.


Logged out
Thanks for spending some quality time with the Web site today.
Log in again



Site administration

AUTHENTICATION AND AUTHORIZATION		
Groups	+ Add	Change
Users	+ Add	Change

REVIEWS		
Book contributors	+ Add	Change
Books	+ Add	Change
Contributors	+ Add	Change
Publishers	+ Add	Change
Reviews	+ Add	Change

Select publisher to change

ADD PUBLISHER +

Action: --------- Go 0 of 9 selected

	PUBLISHER
☐	Pocket Books
☐	CreateSpace Independent Publishing Platform
☐	Houghton Mifflin Harcourt
☐	Simon and Schuster
☐	Bay Back Books
☐	Scribner
☐	Penguin Classics
☐	Harper Collins
☐	Packt Publishing

9 publishers

Change publisher

HISTORY

Name: Packt Publishing

The name of the Publisher.

Website: **Currently:** https://www.packtpub.com/

Change: https://www.packtpub.com/

The Publisher's website.

Email: info@packtpub.com

The Publisher's email address.

Delete | Save and add another | Save and continue editing | SAVE

Add publisher

Please correct the errors below.

Name: This field is required.

The name of the Publisher.

Website: Enter a valid URL.

packtcom

The Publisher's website.

Email: Enter a valid email address.

infoatpackt.com

The Publisher's email address.

Save and add another | Save and continue editing | SAVE

Site administration

AUTHENTICATION AND AUTHORIZATION		
Groups	+ Add	Change
Users	+ Add	Change

REVIEWS		
Book contributors	+ Add	Change
Books	+ Add	Change
Contributors	+ Add	Change
Publishers	+ Add	Change
Reviews	+ Add	Change

Recent actions

My actions

- carol
  User
- + Help Desk User
  Group
- ✖ david
  User
- carol
  User
- bob
  User
- bob
  User

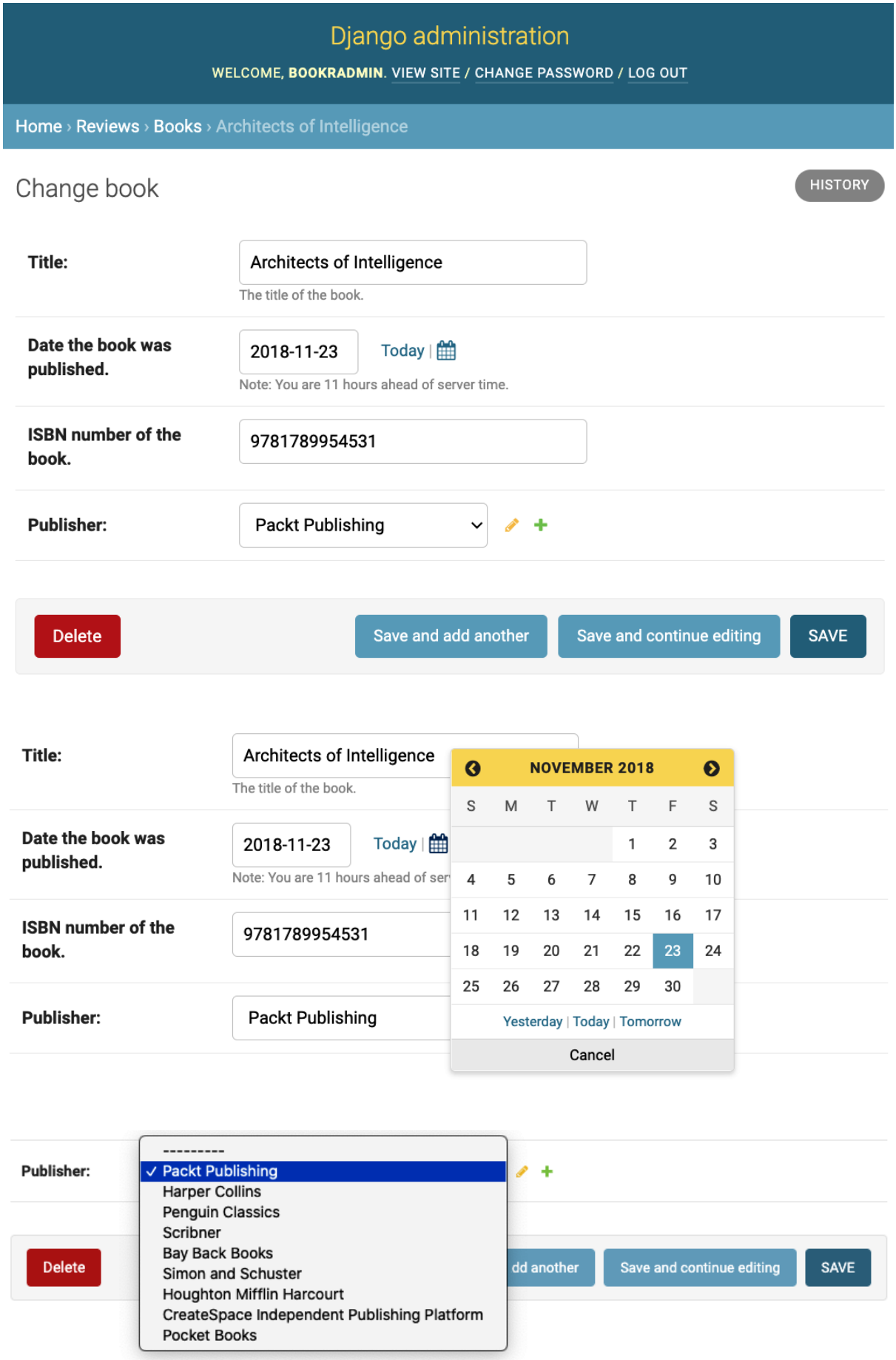
Select book to change

ADD BOOK +

Action: -------- Go 0 of 18 selected

	BOOK
☐	The Talisman
☐	Paul Clifford
☐	Animal Farm: A Fairy Story
☐	1984
☐	Pride and Prejudice
☐	Farenheit 451
☐	The Catcher in the Rye
☐	The Great Gatsby
☐	To Kill A Mocking Bird
☐	For Whom The Bell Tolls
☐	The Grapes of Wrath
☐	Brave New World
☐	Hands-On Reinforcement Learning with Python
☐	Natural Language Processing with TensorFlow
☐	Deep Reinforcement Learning Hands-On
☐	Architects of Intelligence
☐	Hands-On Machine Learning for Algorithmic Trading
☐	Advanced Deep Learning with Keras

18 books


Django administration
WELCOME, BOOKRADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Reviews › Books › Architects of Intelligence
Change book
HISTORY
Title:
Architects of Intelligence
The title of the book.
Date the book was published.
2018-11-23
Today |
Note: You are 11 hours ahead of server time.
ISBN number of the book.
9781789954531
Publisher:
Packt Publishing
Delete
Save and add another
Save and continue editing
SAVE
NOVEMBER 2018
S M T W T F S
1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30
Yesterday | Today | Tomorrow
Cancel

Packt Publishing
Harper Collins
Penguin Classics
Scribner
Bay Back Books
Simon and Schuster
Houghton Mifflin Harcourt
CreateSpace Independent Publishing Platform
Pocket Books

Home › Reviews › Contributors › Rowel › Delete

Are you sure?

Are you sure you want to delete the contributor "Rowel"? All of the following related items will be deleted:

Summary

- Contributors: 1
- Book contributors: 1

Objects

- Contributor: Rowel
  - Book contributor: BookContributor object (19)

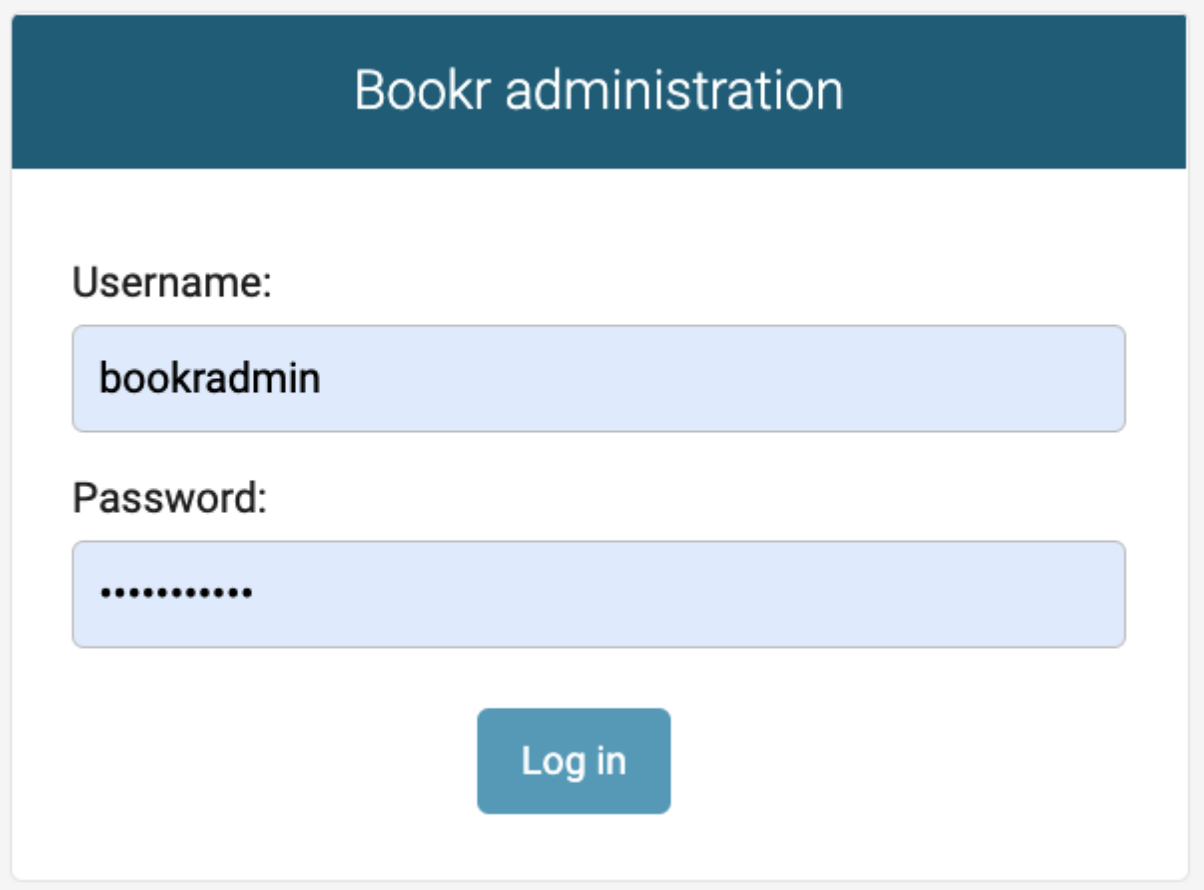
Yes, I'm sure | No, take me back

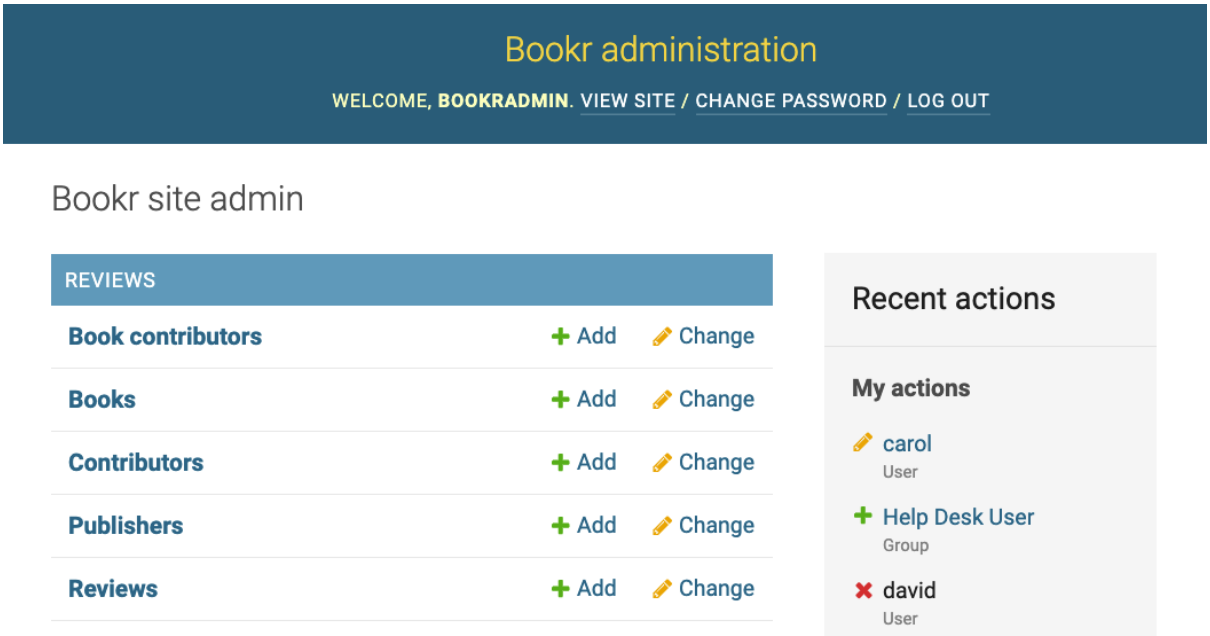
Home › Reviews › Contributors › Rowel › Delete

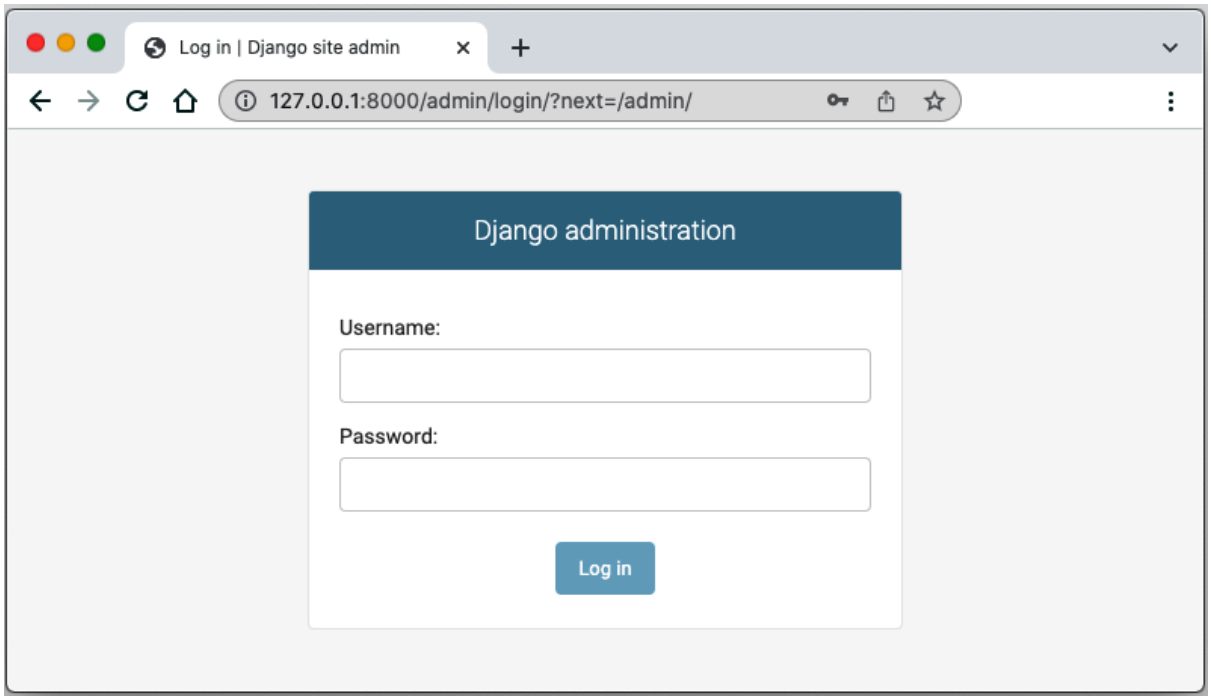
Cannot delete contributor

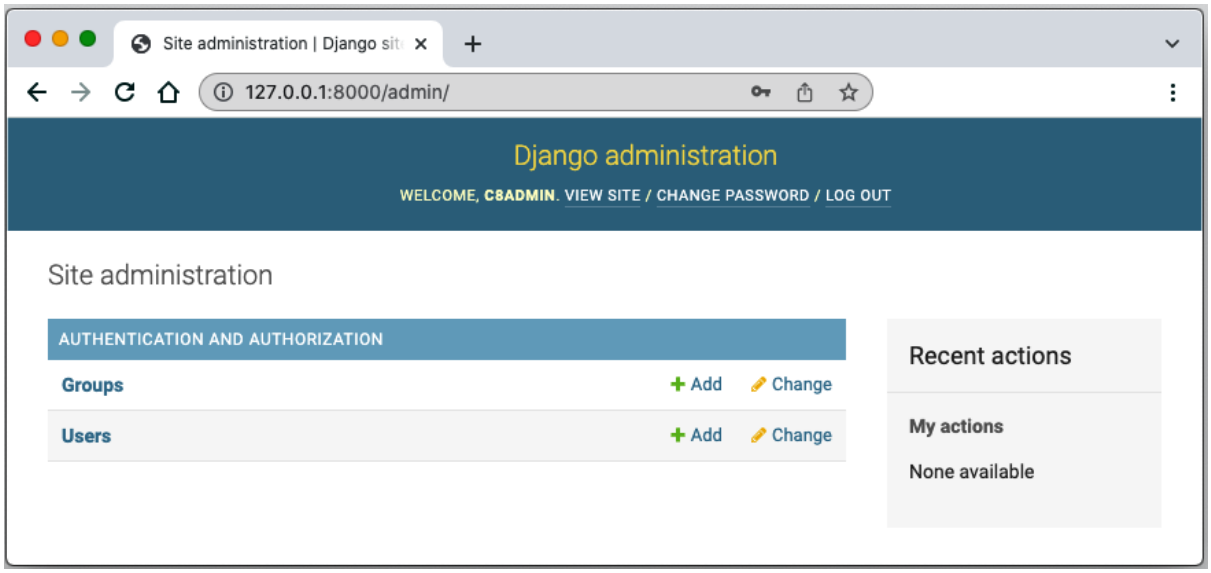
Deleting the contributor 'Rowel' would require deleting the following protected related objects:

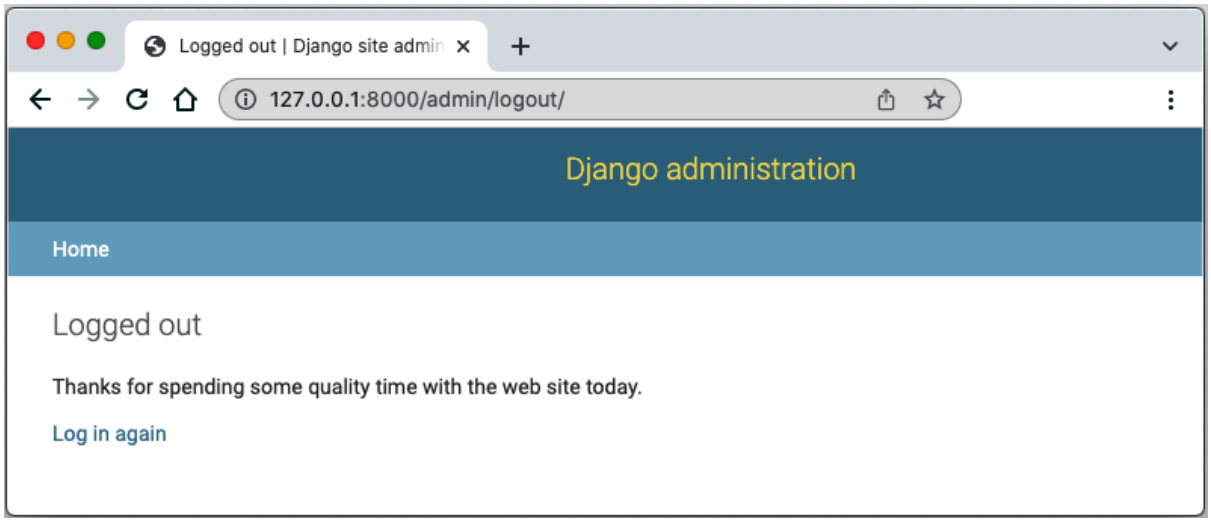
- Book contributor: BookContributor object (19)

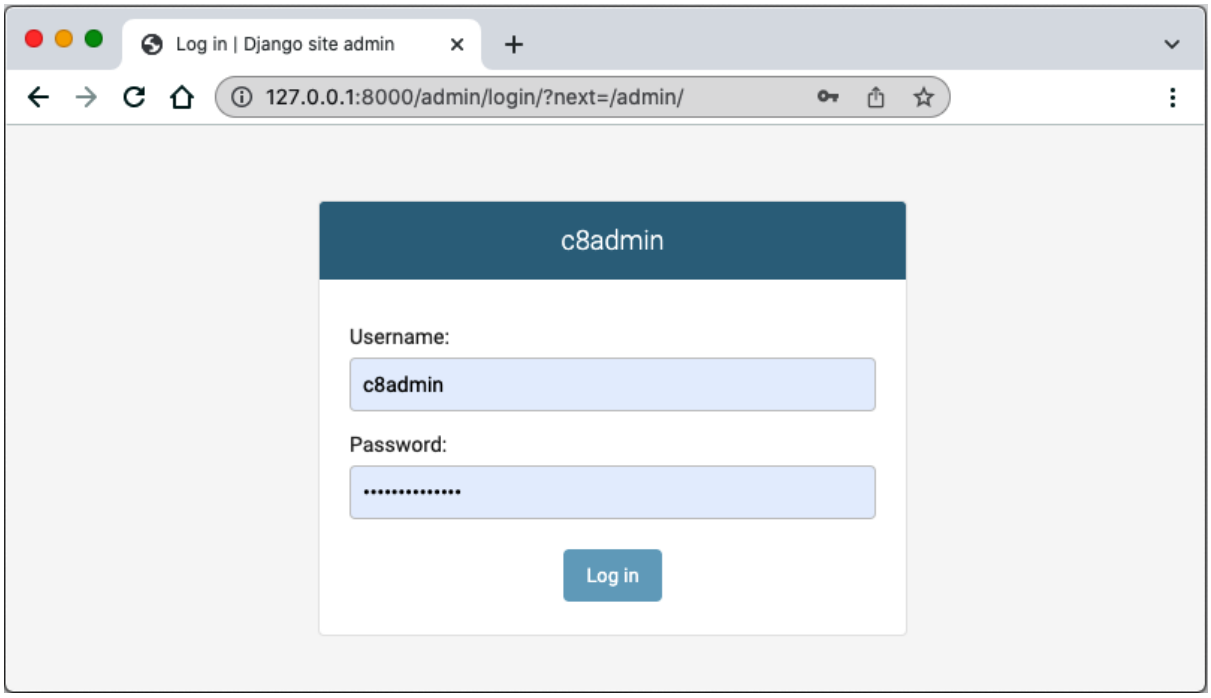

Bookr administration
Username:
bookradmin
Password:
••••••••••
Log in

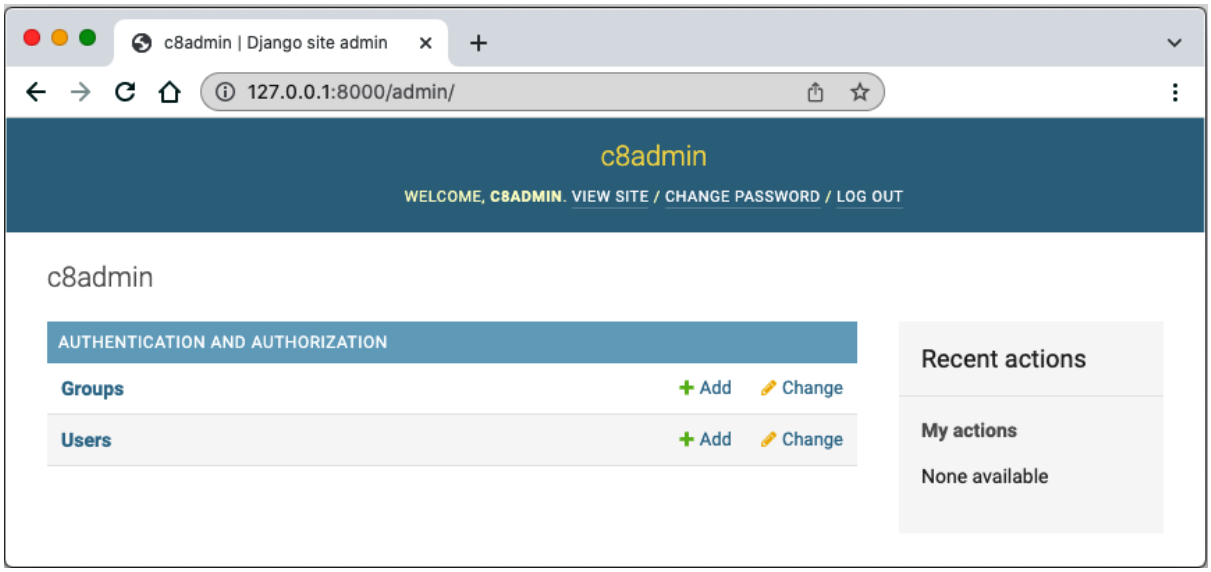

Bookr administration
WELCOME, BOOKRADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT
Bookr site admin
REVIEWS
Book contributors + Add Change
Books + Add Change
Contributors + Add Change
Publishers + Add Change
Reviews + Add Change
Recent actions
My actions
carol
User
Help Desk User
Group
david
User

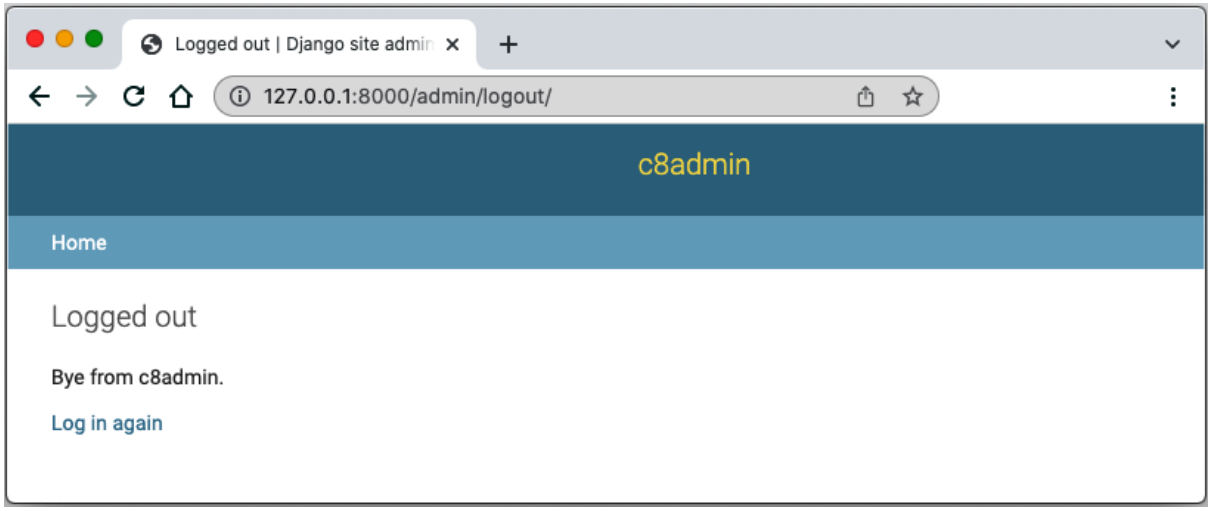

Log in | Django site admin
127.0.0.1:8000/admin/login/?next=/admin/
Django administration
Username:
Password:
Log in


Site administration | Django sit
127.0.0.1:8000/admin/
Django administration
WELCOME, C8ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT
Site administration
AUTHENTICATION AND AUTHORIZATION
Groups + Add Change
Users + Add Change
Recent actions
My actions
None available


Logged out | Django site admin
127.0.0.1:8000/admin/logout/
Django administration
Home
Logged out
Thanks for spending some quality time with the web site today.
Log in again


Log in | Django site admin
127.0.0.1:8000/admin/login/?next=/admin/
c8admin
Username:
c8admin
Password:
Log in


c8admin | Django site admin
127.0.0.1:8000/admin/
c8admin
WELCOME, C8ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT
c8admin
AUTHENTICATION AND AUTHORIZATION
Groups
+ Add
Change
Users
+ Add
Change
Recent actions
My actions
None available


Logged out | Django site admin
127.0.0.1:8000/admin/logout/
c8admin
Home
Logged out
Bye from c8admin.
Log in again

Home › Authentication and Authorization › Users

Select user to change

ADD USER +

Search

Action: -------- Go 0 of 4 selected

	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
☐	alice	alice.white@example.com	Alice	White	✗
☐	bob	bob.black@example.com	Bob	Black	✗
☐	bookradmin	bookradmin@example.com			✓
☐	carol	carol.brown@example.com	Carol	Brown	✓

4 users

FILTER

By staff status

All
Yes
No

By superuser status

All
Yes
No

By active

All
Yes
No

By groups

All
Help Desk User
-

Select book to change

ADD BOOK +

Action: --------- Go 0 of 17 selected

BOOK
Paul Clifford
Animal Farm: A Fairy Story
1984
Pride and Prejudice
Farenheit 451
The Catcher in the Rye
The Great Gatsby
To Kill A Mockingbird
For Whom The Bell Tolls
The Grapes of Wrath
Brave New World
Hands-On Reinforcement Learning with Python
Natural Language Processing with TensorFlow
Deep Reinforcement Learning Hands-On
Architects of Intelligence
Hands-On Machine Learning for Algorithmic Trading
Advanced Deep Learning with Keras

17 books

Action: -------- Go 0 of 18 selected

BOOK
Book object (18)
Book object (17)
Book object (16)
Book object (15)
Book object (14)

Action: -------- Go 0 of 18 selected

BOOK
The Talisman (9781451697216)
Paul Clifford (9781719053167)
Animal Farm: A Fairy Story (9780151002177)
1984 (9781328869333)
Pride and Prejudice (9780141439518)

Action: -------- Go 0 of 18 selected

TITLE	ISBN NUMBER OF THE BOOK.
The Talisman	9781451697216
Paul Clifford	9781719053167
Animal Farm: A Fairy Story	9780151002177
1984	9781328869333
Pride and Prejudice	9780141439518

TITLE	ISBN13
The Talisman	978-1-45-169721-6
Paul Clifford	978-1-71-905316-7
Animal Farm: A Fairy Story	978-0-15-100217-7
1984	978-1-32-886933-3
Pride and Prejudice	978-0-14-143951-8

TITLE	ISBN-13	HAS ISBN
To Kill A Mocking Bird	---	✗
Brave New World	978-0-06-085052-4	✓
Pride and Prejudice	978-0-14-143951-8	✓
The Grapes of Wrath	978-0-14-303943-3	✓
Animal Farm: A Fairy Story	978-0-15-100217-7	✓

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Action: -------- Go 0 of 6 selected

TITLE	ISBN NUMBER OF THE BOOK.
Hands-On Reinforcement Learning with Python	9781788836524
Natural Language Processing with TensorFlow	9781788478311
Deep Reinforcement Learning Hands-On	9781788834247
Architects of Intelligence	9781789954531
Hands-On Machine Learning for Algorithmic Trading	9781789346411
Advanced Deep Learning with Keras	9781788629416

6 books

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Harper Collins

Penguin Classics

Scribner

Bay Back Books

Simon and Schuster

Houghton Mifflin Harcourt

HardPress

By Date the book was published.

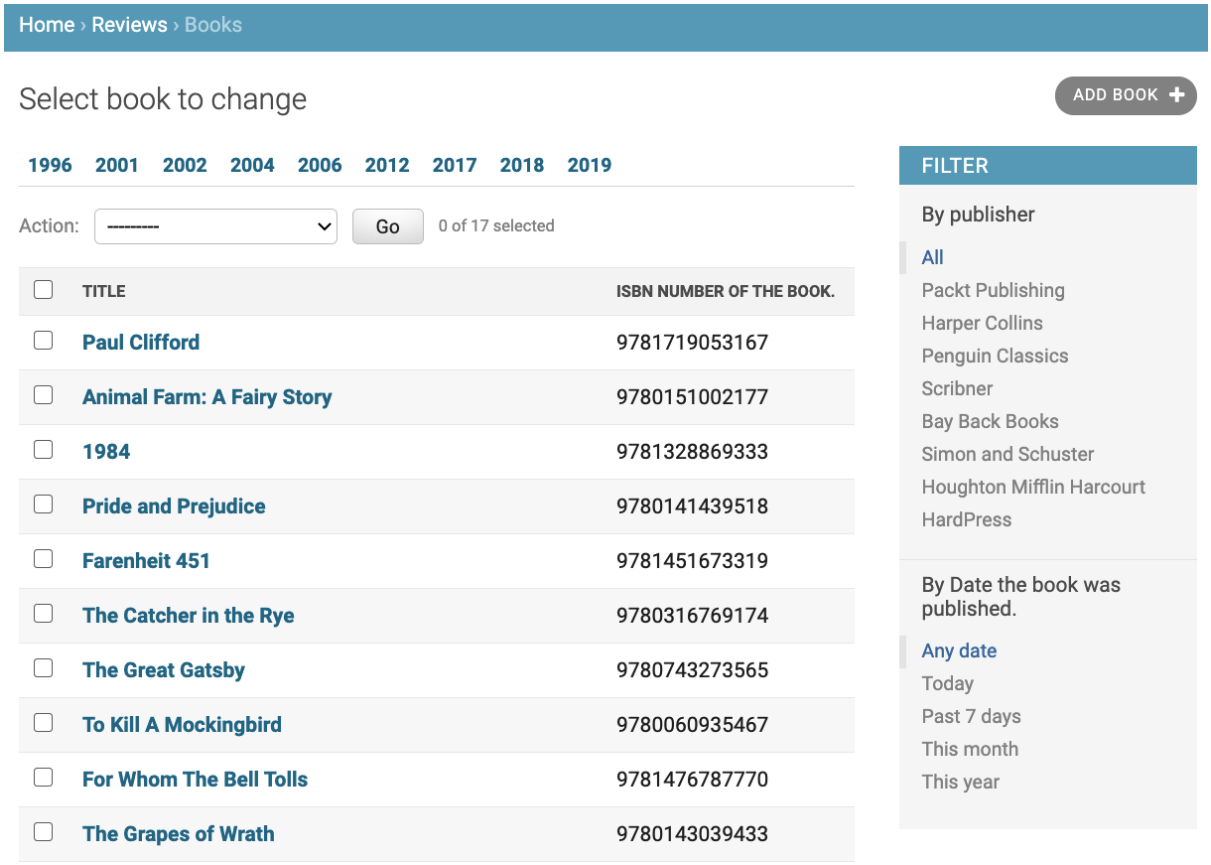
Any date

Today

Past 7 days

This month

This year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ADD BOOK +
1996 2001 2002 2004 2006 2012 2017 2018 2019
Action: --------- Go 0 of 17 selected
TITLE
ISBN NUMBER OF THE BOOK.
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Pride and Prejudice 9780141439518
Farenheit 451 9781451673319
The Catcher in the Rye 9780316769174
The Great Gatsby 9780743273565
To Kill A Mockingbird 9780060935467
For Whom The Bell Tolls 9781476787770
The Grapes of Wrath 9780143039433
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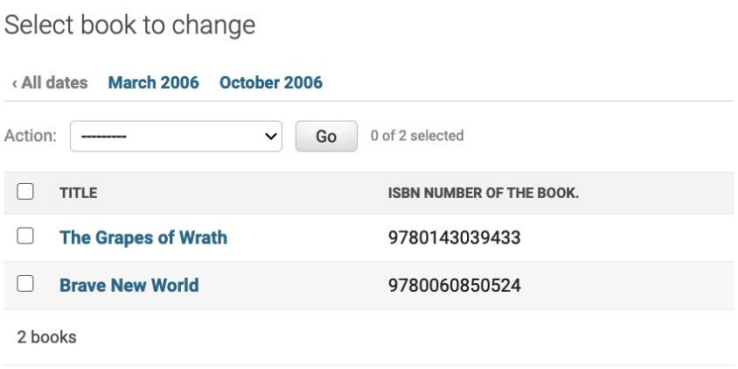
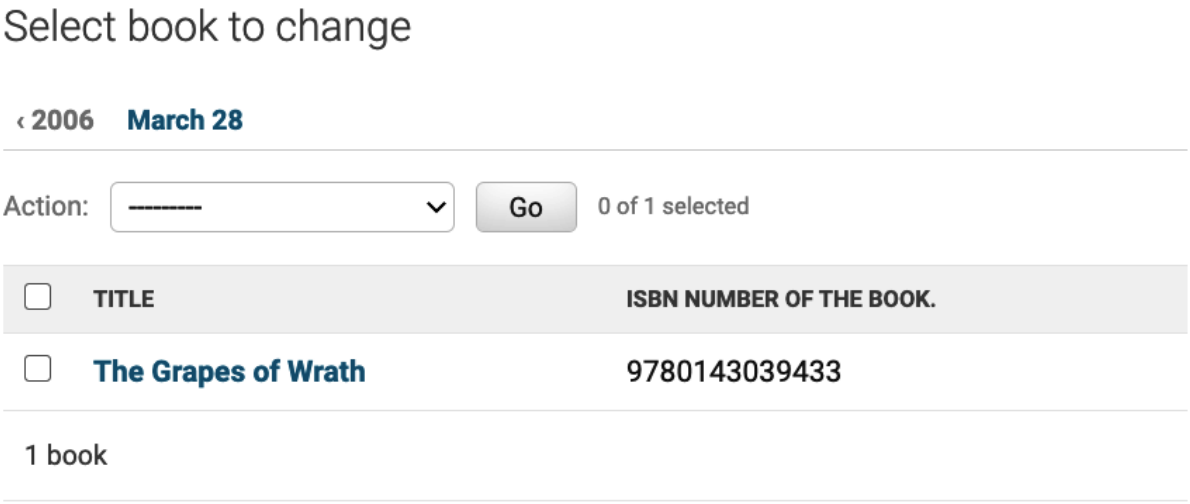

Select book to change
‹ All dates March 2006 October 2006
Action: --------- Go 0 of 2 selected
TITLE
ISBN NUMBER OF THE BOOK.
The Grapes of Wrath 9780143039433
Brave New World 9780060850524
2 books


Select book to change
‹ 2006 March 28
Action: --------- Go 0 of 1 selected
TITLE
ISBN NUMBER OF THE BOOK.
The Grapes of Wrath 9780143039433
1 book

Select book to change

ADD BOOK +

1996 2001 2002 2004 2006 2012 2017 2018 2019

Action: -------- Go 0 of 17 selected

	TITLE	ISBN NUMBER OF THE BOOK.
☐	Paul Clifford	9781719053167
☐	Animal Farm: A Fairy Story	9780151002177
☐	1984	9781328869333
☐	Pride and Prejudice	9780141439518
☐	Farenheit 451	9781451673319
☐	The Catcher in the Rye	9780316769174
☐	The Great Gatsby	9780743273565
☐	To Kill A Mockingbird	9780060935467
☐	For Whom The Bell Tolls	9781476787770
☐	The Grapes of Wrath	9780143039433

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	TITLE	ISBN NUMBER OF THE BOOK.
☐	Paul Clifford	9781719053167
☐	Animal Farm: A Fairy Story	9780151002177
☐	1984	9781328869333
☐	Pride and Prejudice	9780141439518
☐	Farenheit 451	9781451673319
☐	The Catcher in the Rye	9780316769174
☐	The Great Gatsby	9780743273565
☐	To Kill A Mockingbird	9780060935467
☐	For Whom The Bell Tolls	9781476787770
☐	The Grapes of Wrath	9780143039433

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Content: An excellent introduction to the topic.

The Review text.

Rating: 5

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Content: An excellent introduction to the topic.

The Review text.

Rating:

The rating the reviewer has given.

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Book: ---------

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Review content

Content: An excellent introduction to the topic.

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Rating: 5

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Book: Hands-On Machine Learning for Algorithmic Trading

The Book that this review is for.

Review content

Content: An excellent introduction to the topic.

The Review text.

Rating:

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☐	Bradbury, R
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☐	Austen	Jane
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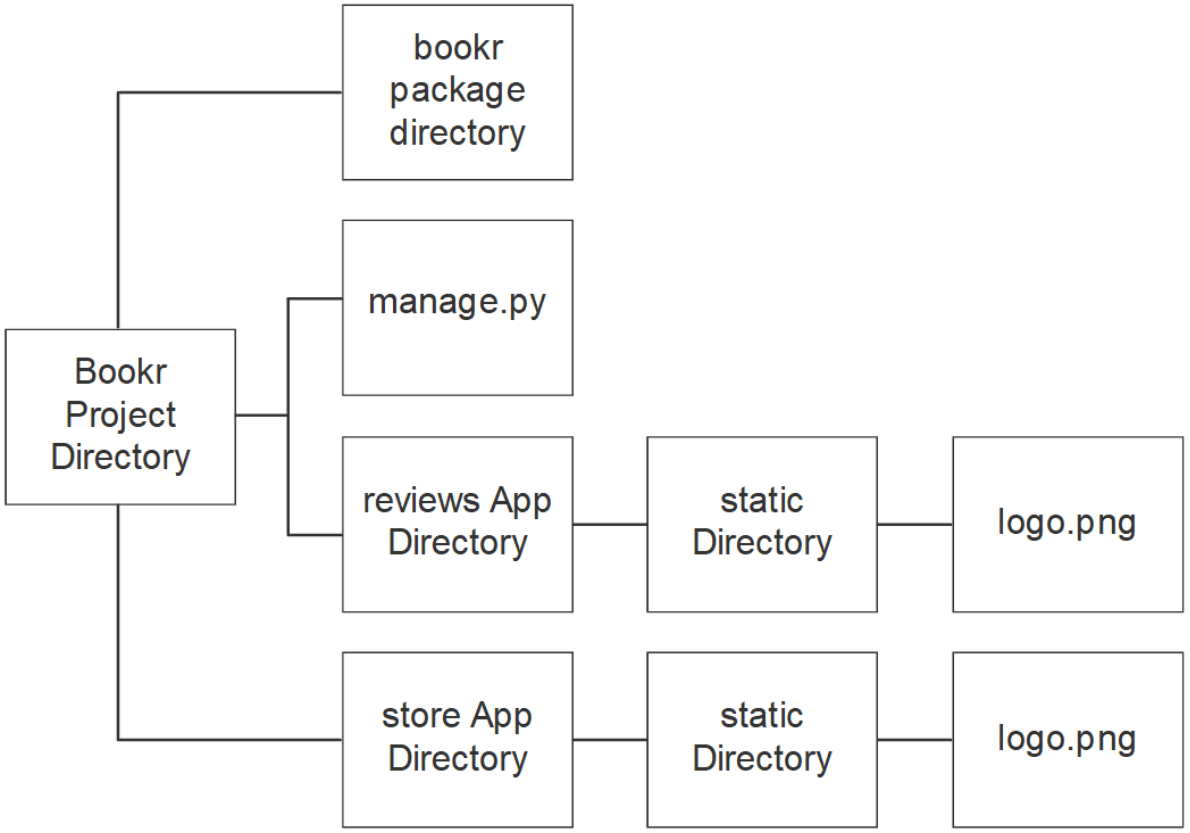
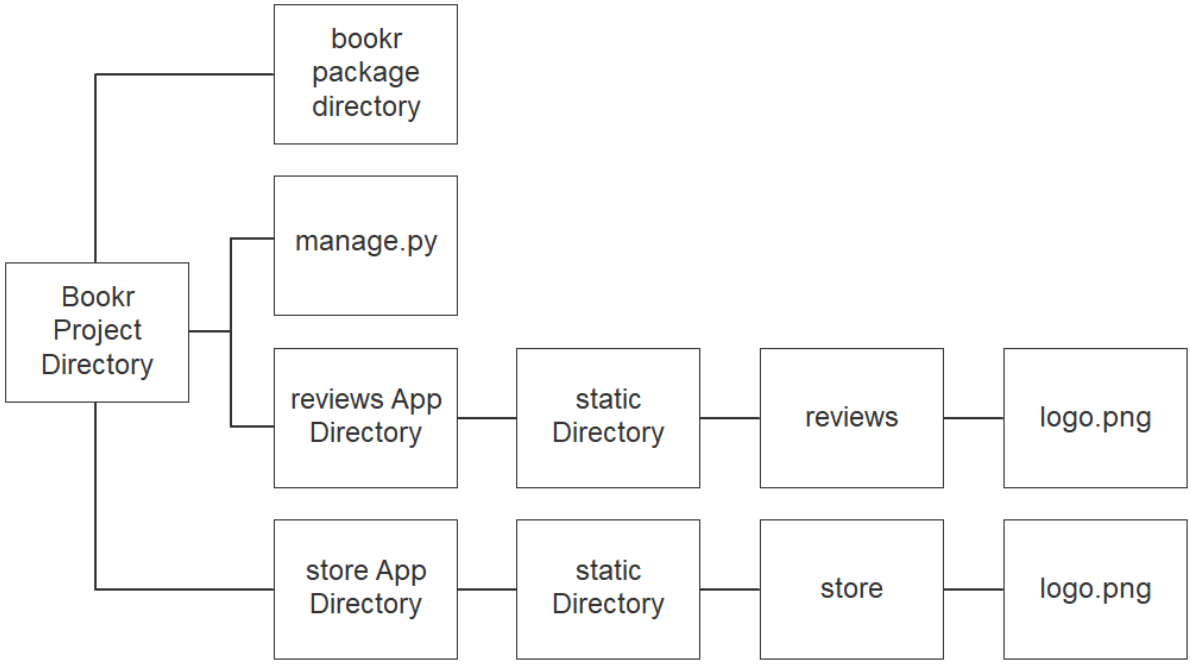
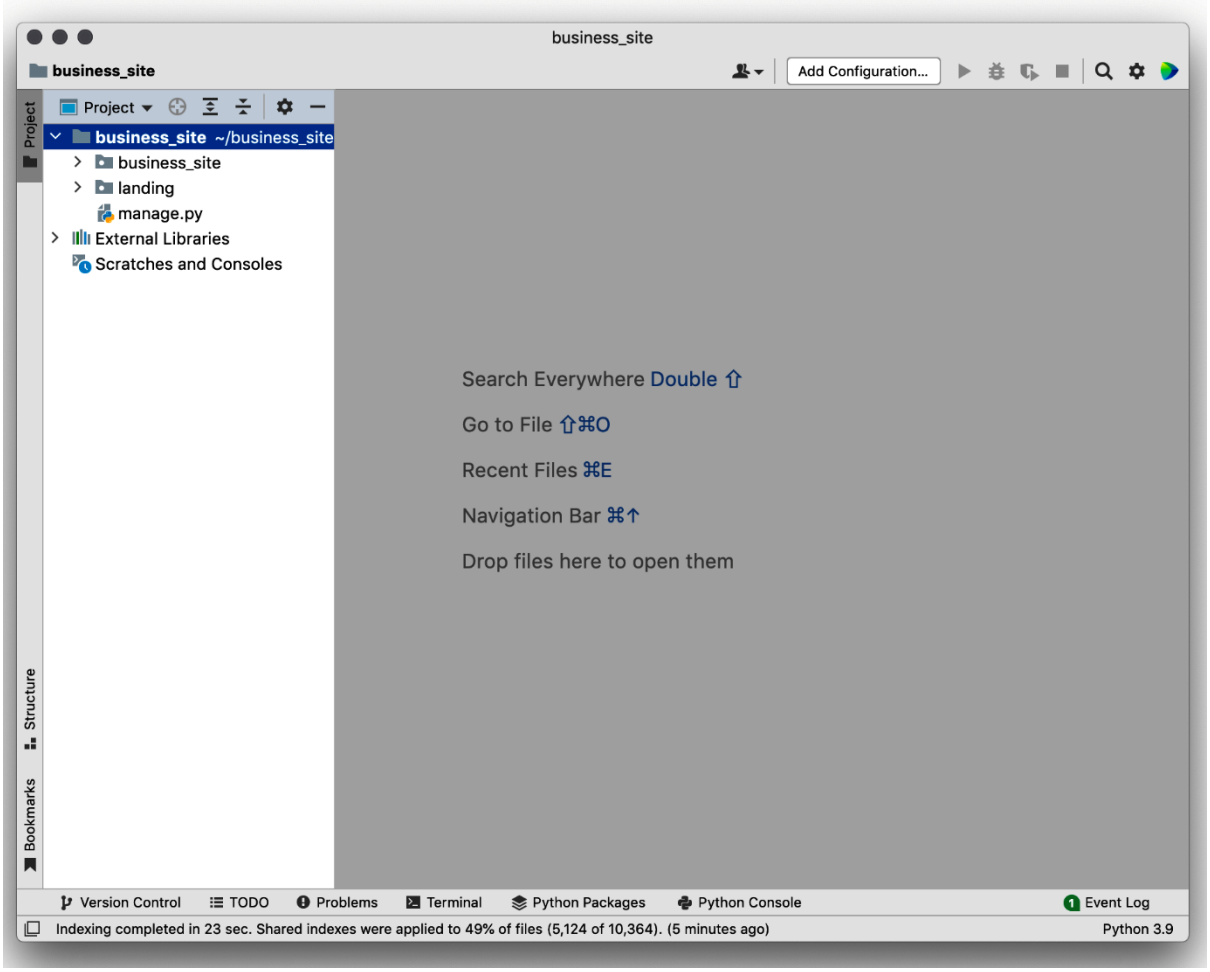
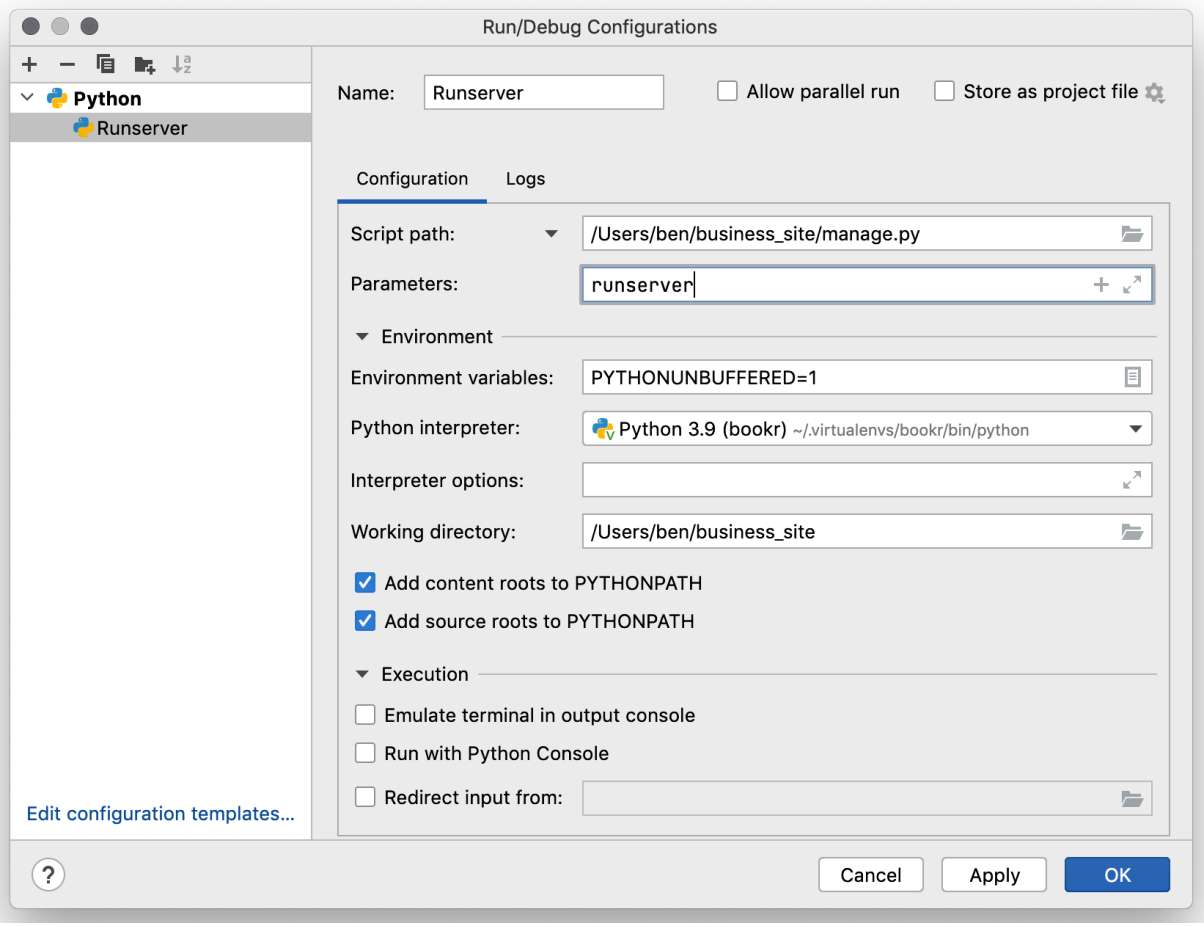
Lee
Orwell
Ravichandiran
Salinger
Stefan
Steinbeck
Straub
Tanner

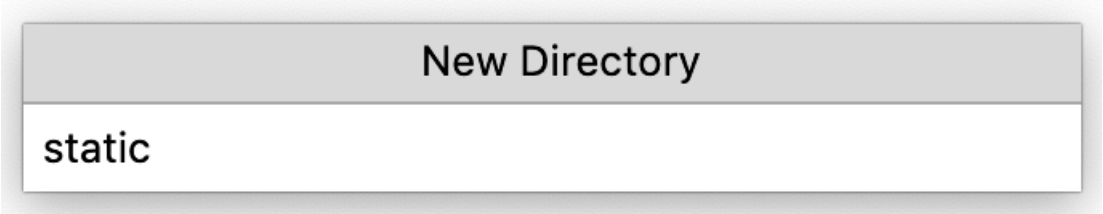
Chapter 05: Serving Static Files

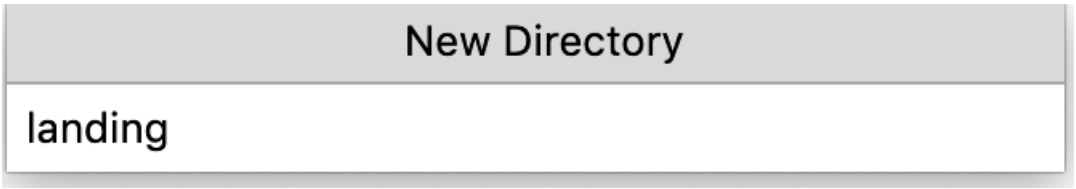


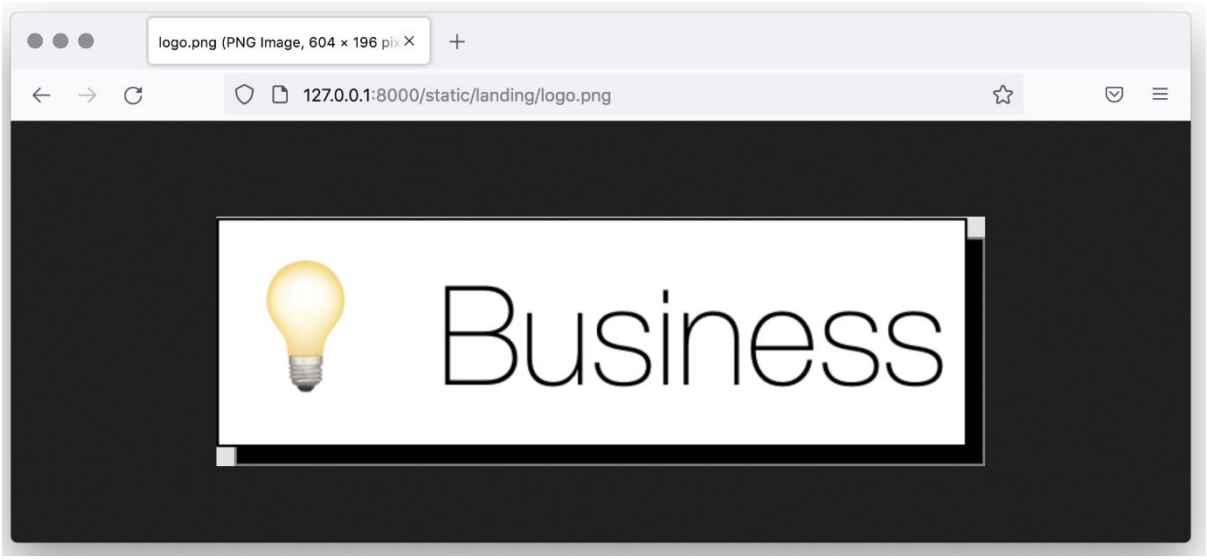


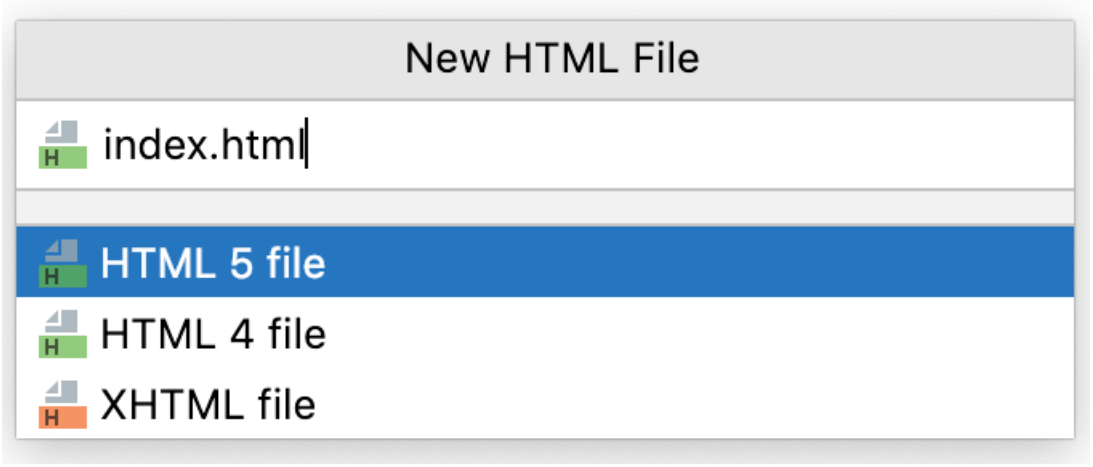

business_site
business_site
Add Configuration...
Project
business_site ~/business_site
business_site
landing
manage.py
External Libraries
Scratches and Consoles
Search Everywhere Double ⇧
Go to File ⇧⌘O
Recent Files ⌘E
Navigation Bar ⌘↑
Drop files here to open them
Project
Structure
Bookmarks
Version Control
TODO
Problems
Terminal
Python Packages
Python Console
Event Log
Indexing completed in 23 sec. Shared indexes were applied to 49% of files (5,124 of 10,364). (5 minutes ago)
Python 3.9

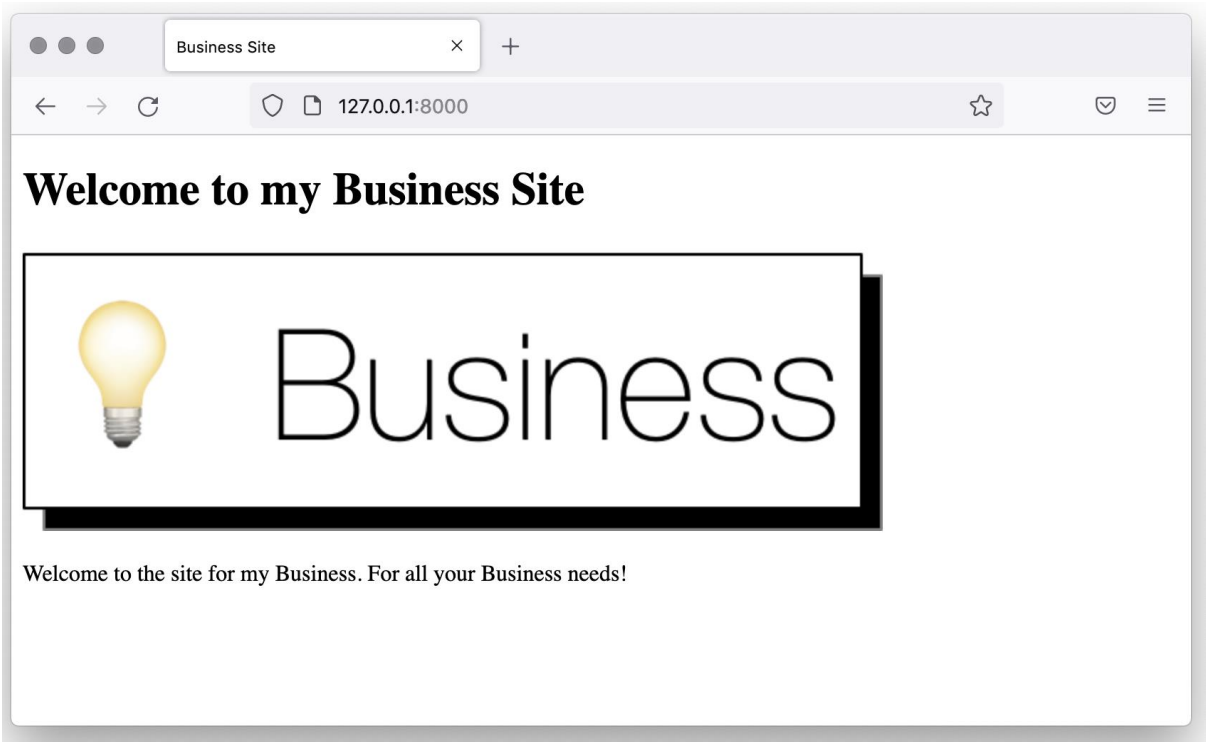

Run/Debug Configurations
Python
Runserver
Name: Runserver
Allow parallel run
Store as project file
Configuration
Logs
Script path: /Users/ben/business_site/manage.py
Parameters: runserver
Environment
Environment variables: PYTHONUNBUFFERED=1
Python interpreter: Python 3.9 (bookr) ~/.virtualenvs/bookr/bin/python
Interpreter options:
Working directory: /Users/ben/business_site
Add content roots to PYTHONPATH
Add source roots to PYTHONPATH
Execution
Emulate terminal in output console
Run with Python Console
Redirect input from:
Edit configuration templates...
Cancel
Apply
OK


New Directory
static

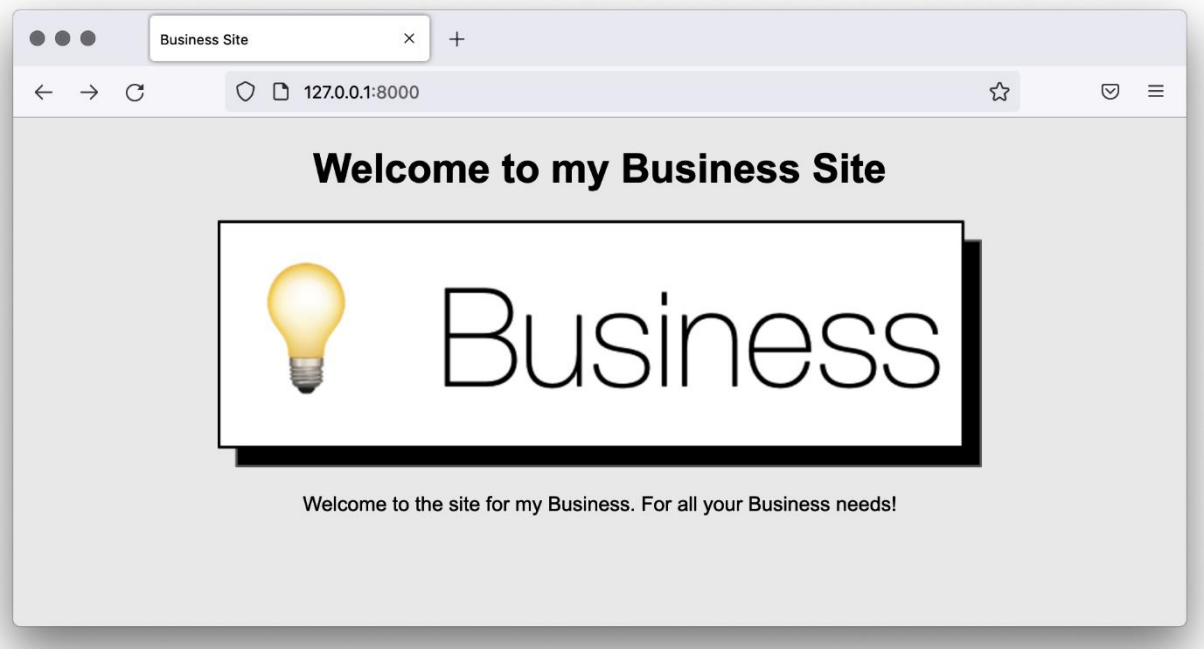

New Directory
landing


logo.png (PNG Image, 604 × 196 pi
127.0.0.1:8000/static/landing/logo.png
Business

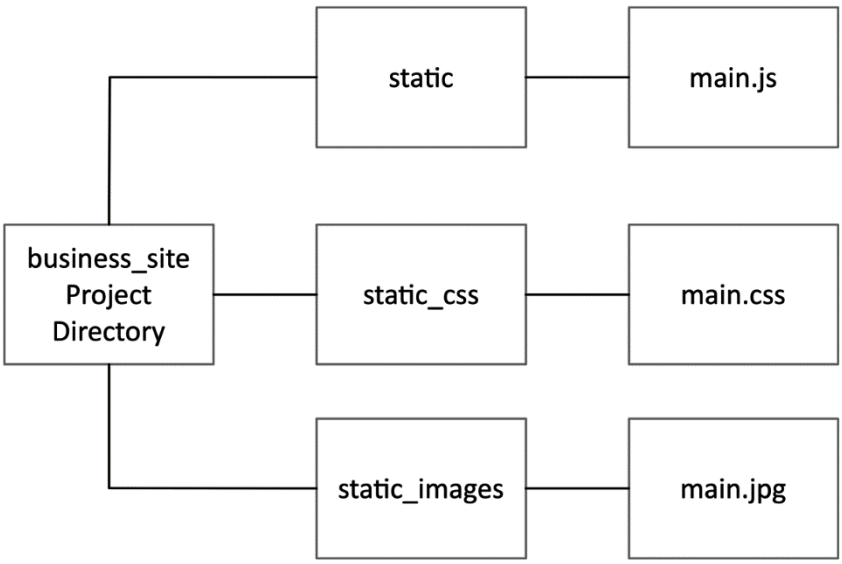

New HTML File
index.html
HTML 5 file
HTML 4 file
XHTML file

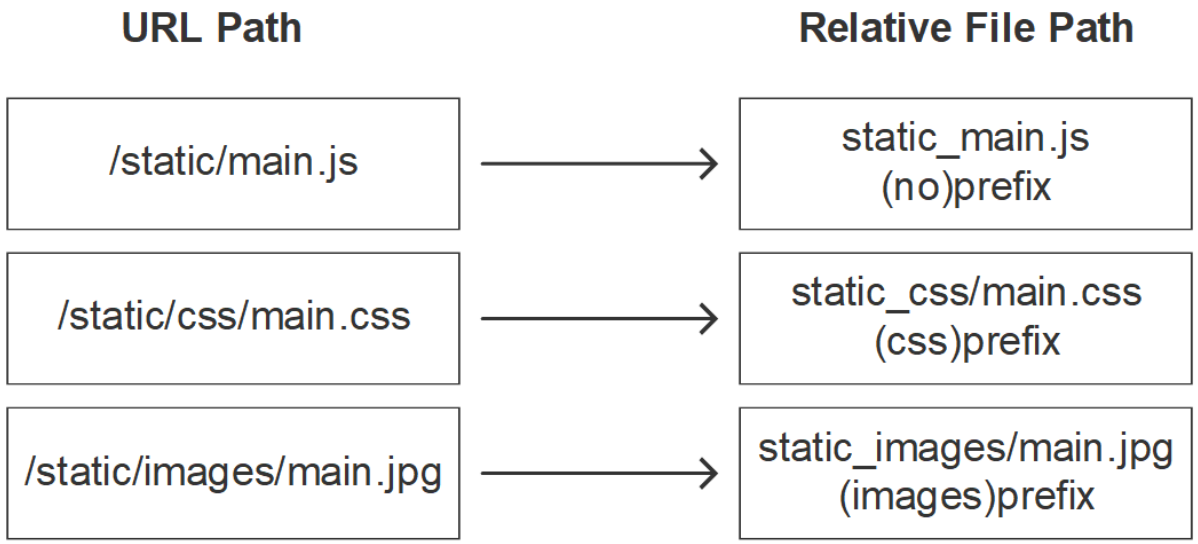

Business Site
127.0.0.1:8000
Welcome to my Business Site
Business
Welcome to the site for my Business. For all your Business needs!

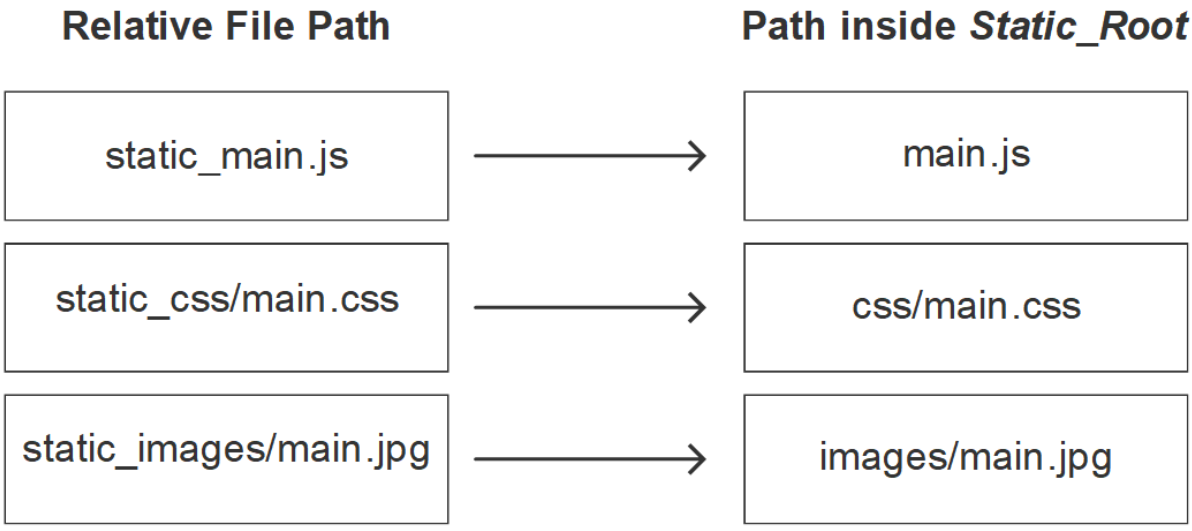
127.0.0.1:8000/static/main.css
127.0.0.1:8000/static/main.css
body {
font-family: Arial, sans-serif;
text-align: center;
background-color: #f0f0f0;
}


Business Site
127.0.0.1:8000
Welcome to my Business Site
Business
Welcome to the site for my Business. For all your Business needs!

static_production_test
admin
landing
logo.png
main.css


business_site Project Directory
static
main.js
static_css
main.css
static_images
main.jpg


URL Path
Relative File Path
/static/main.js
static_main.js
(no)prefix
/static/css/main.css
static_css/main.css
(css)prefix
/static/images/main.jpg
static_images/main.jpg
(images)prefix


Relative File Path
Path inside *Static_Root*
static_main.js
main.js
static_css/main.css
css/main.css
static_images/main.jpg
images/main.jpg

```
(bookr) ➜  business_site python3 manage.py findstatic -v2 landing/logo.png missing-file.js main.css
No matching file found for 'missing-file.js'.

Looking in the following locations:
  /Users/ben/business_site/static
  /Users/ben/.virtualenvs/bookr/lib/python3.9/site-packages/django/contrib/admin/static
  /Users/ben/business_site/landing/static
Found 'landing/logo.png' here:
  /Users/ben/business_site/landing/static/landing/logo.png
Looking in the following locations:
  /Users/ben/business_site/static
  /Users/ben/.virtualenvs/bookr/lib/python3.9/site-packages/django/contrib/admin/static
  /Users/ben/business_site/landing/static
Found 'main.css' here:
  /Users/ben/business_site/static/main.css
Looking in the following locations:
  /Users/ben/business_site/static
  /Users/ben/.virtualenvs/bookr/lib/python3.9/site-packages/django/contrib/admin/static
  /Users/ben/business_site/landing/static
```

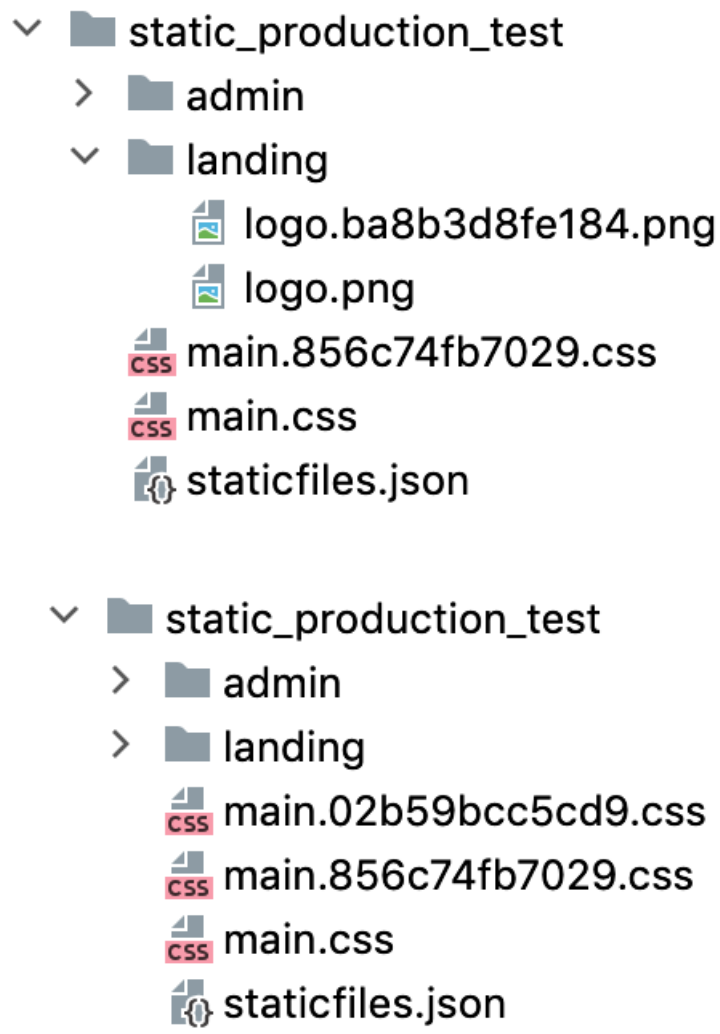
```
(bookr) ➜  business_site python3 manage.py collectstatic

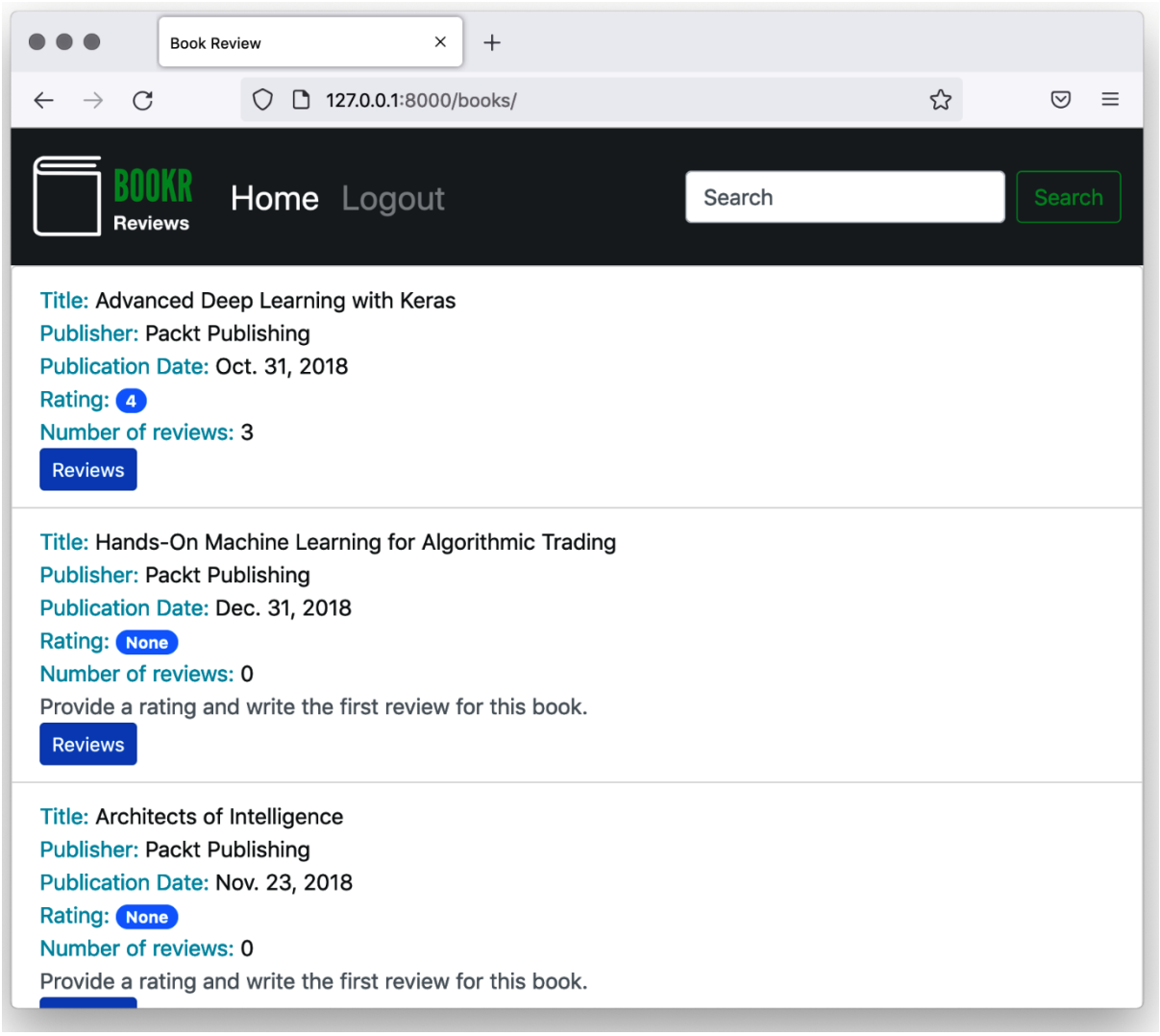
You have requested to collect static files at the destination
location as specified in your settings:

    /Users/ben/business_site/static_production_test

This will overwrite existing files!
Are you sure you want to do this?

Type 'yes' to continue, or 'no' to cancel:
```


static_production_test
admin
landing
logo.ba8b3d8fe184.png
logo.png
main.856c74fb7029.css
main.css
staticfiles.json
static_production_test
admin
landing
main.02b59bcc5cd9.css
main.856c74fb7029.css
main.css
staticfiles.json


Book Review
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BOOKR
Reviews
Home
Logout
Search
Search
Title: Advanced Deep Learning with Keras
Publisher: Packt Publishing
Publication Date: Oct. 31, 2018
Rating: 4
Number of reviews: 3
Reviews
Title: Hands-On Machine Learning for Algorithmic Trading
Publisher: Packt Publishing
Publication Date: Dec. 31, 2018
Rating: None
Number of reviews: 0
Provide a rating and write the first review for this book.
Reviews
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Publisher: Packt Publishing
Publication Date: Nov. 23, 2018
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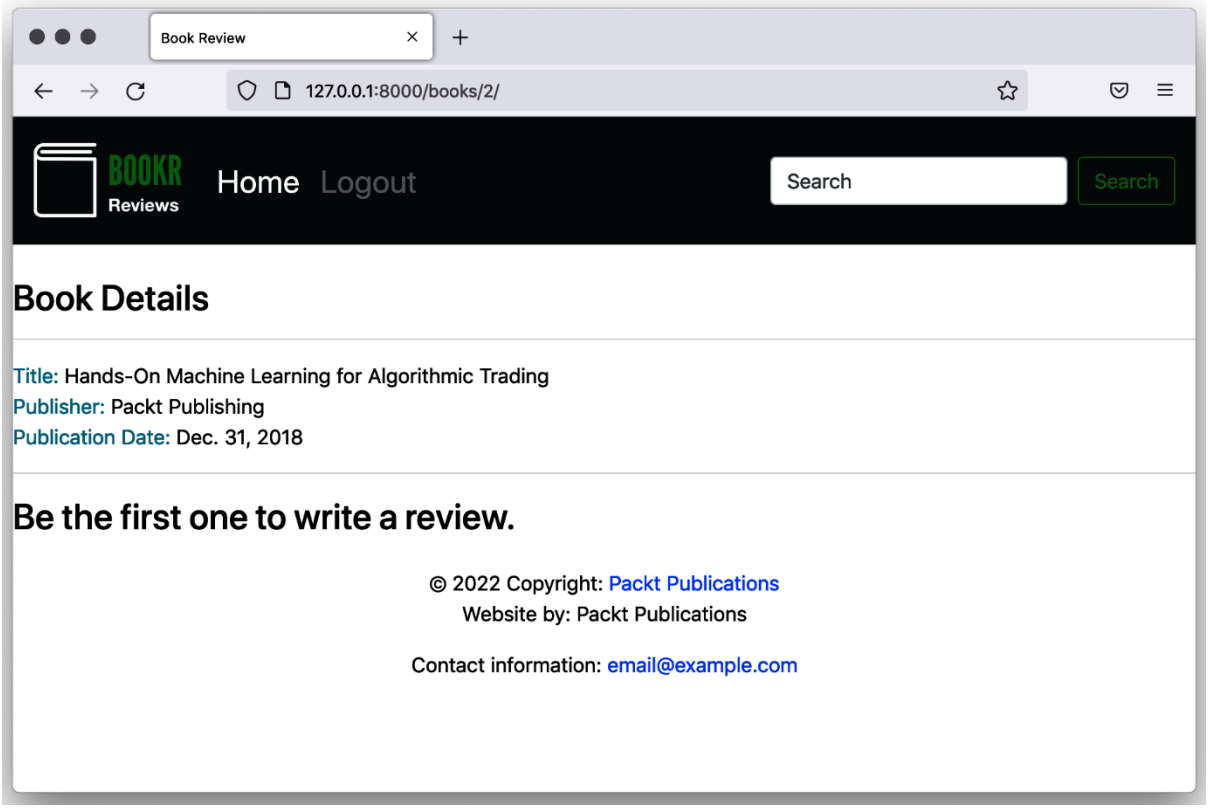
Number of reviews: 0
Provide a rating and write the first review for this book.


Book Review
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BOOKR
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Title: Hands-On Machine Learning for Algorithmic Trading
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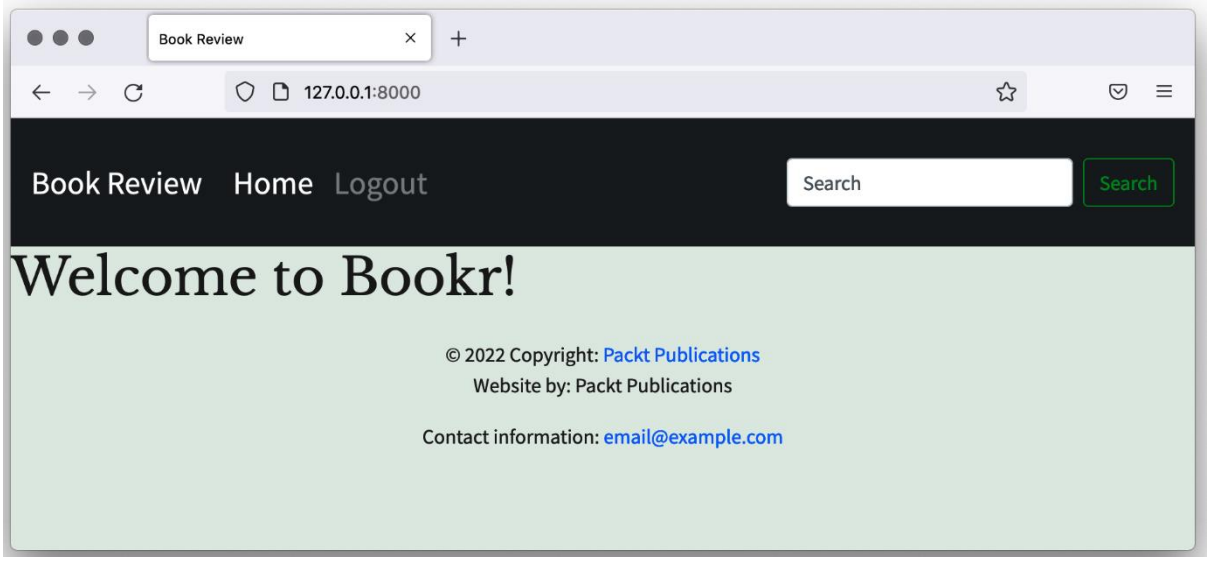
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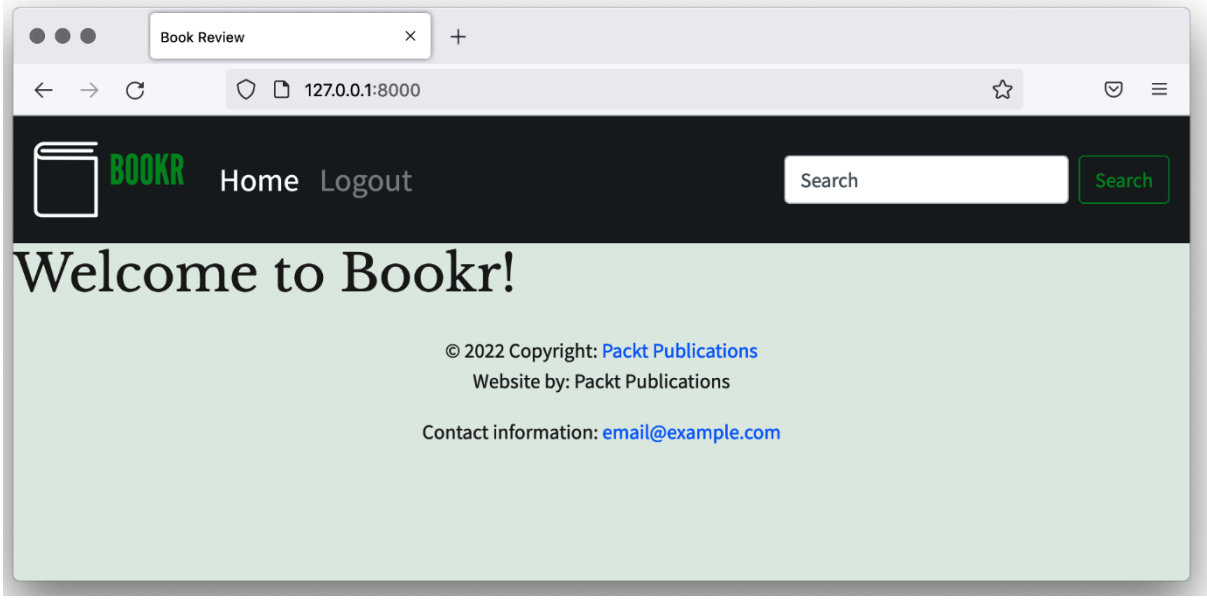
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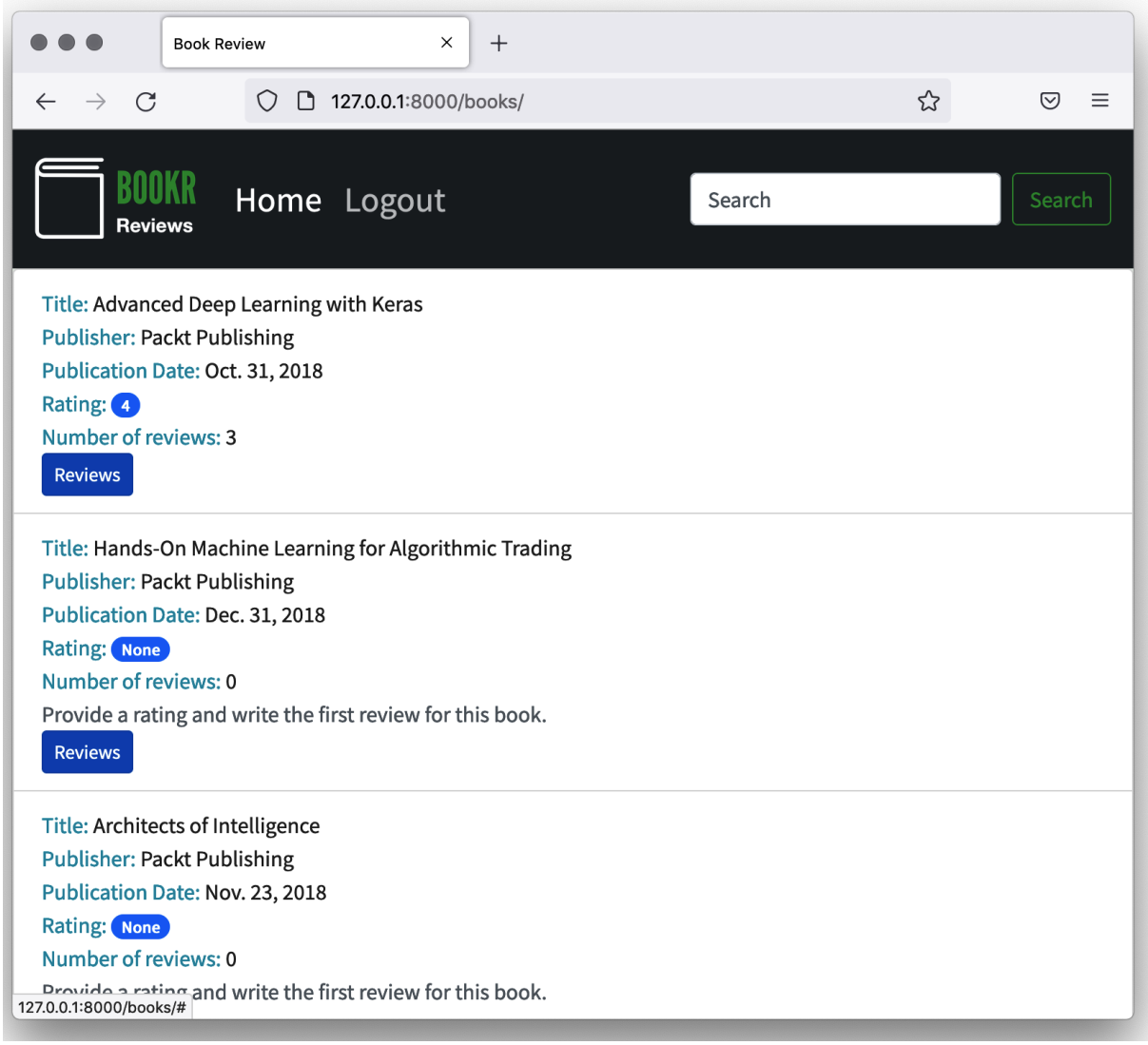
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Title: Advanced Deep Learning with Keras
Publisher: Packt Publishing
Publication Date: Oct. 31, 2018
Rating: 4
Number of reviews: 3
Reviews
Title: Hands-On Machine Learning for Algorithmic Trading
Publisher: Packt Publishing
Publication Date: Dec. 31, 2018
Rating: None
Number of reviews: 0
Provide a rating and write the first review for this book.
Reviews
Title: Architects of Intelligence
Publisher: Packt Publishing
Publication Date: Nov. 23, 2018
Rating: None
Number of reviews: 0
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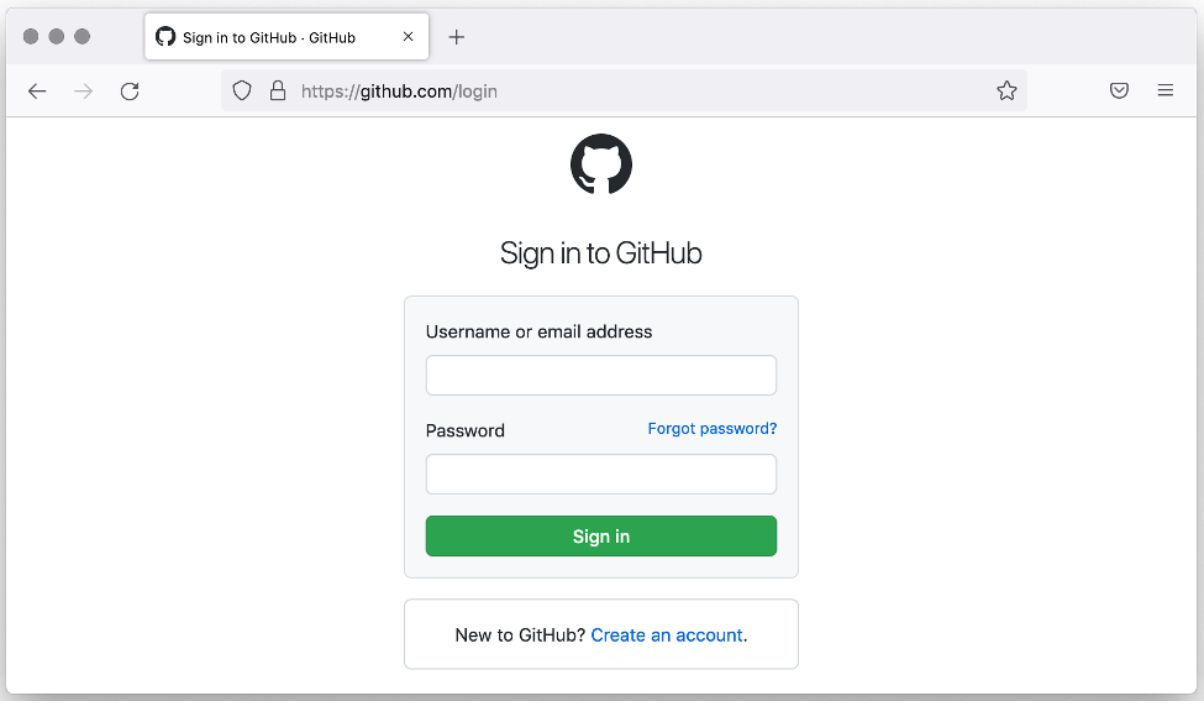
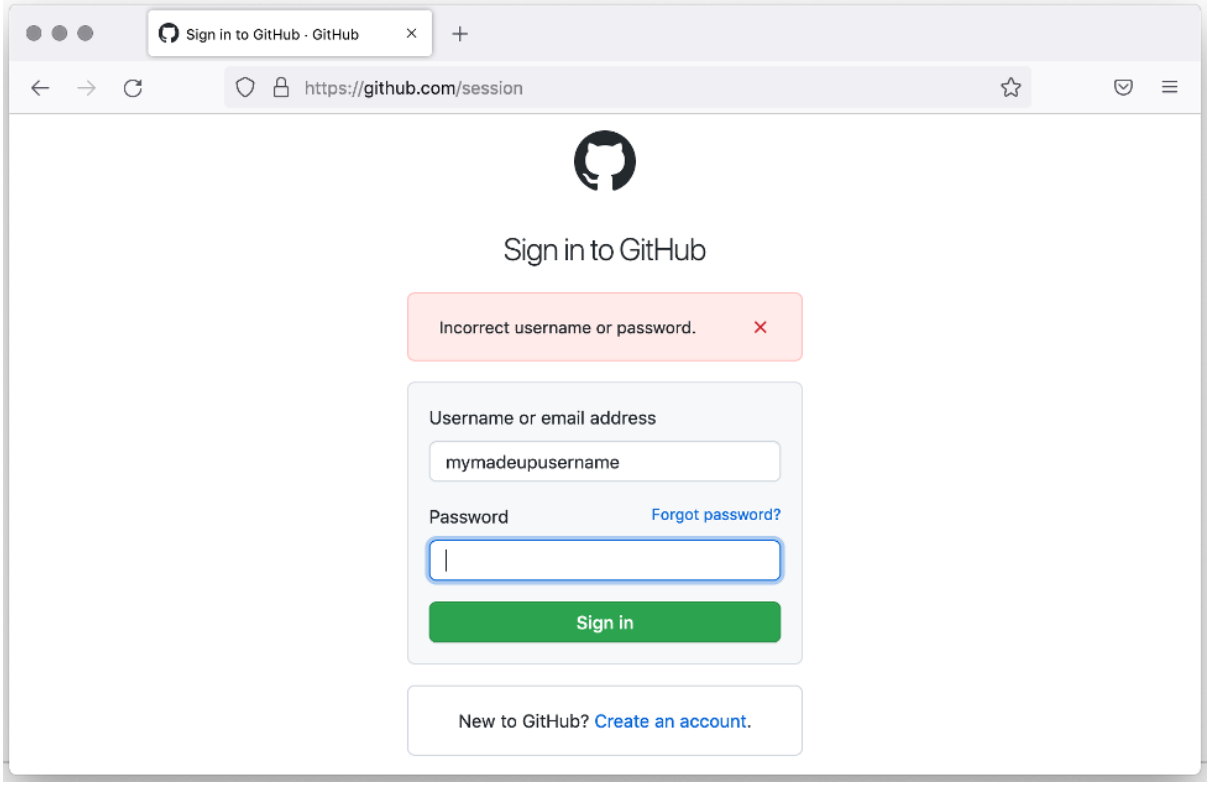
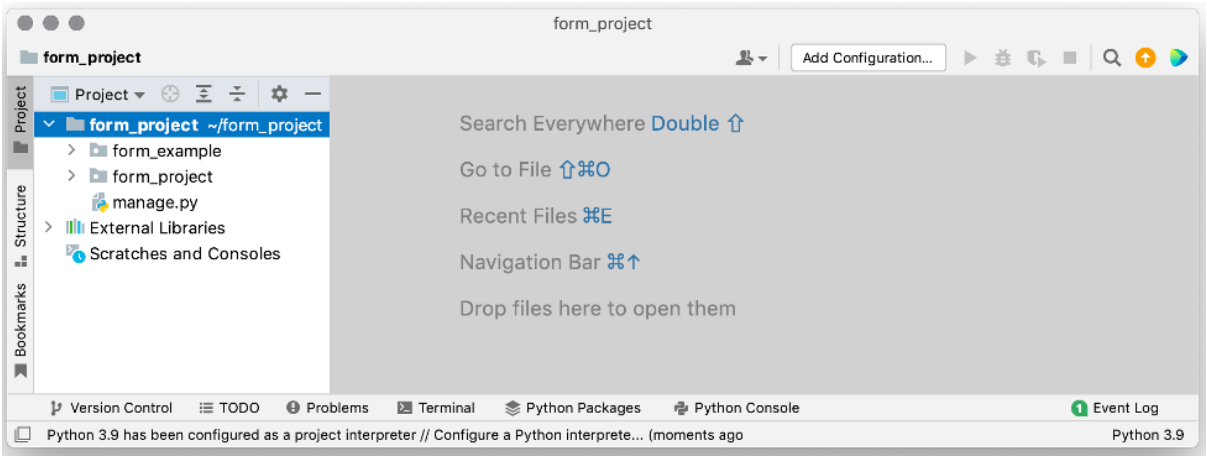
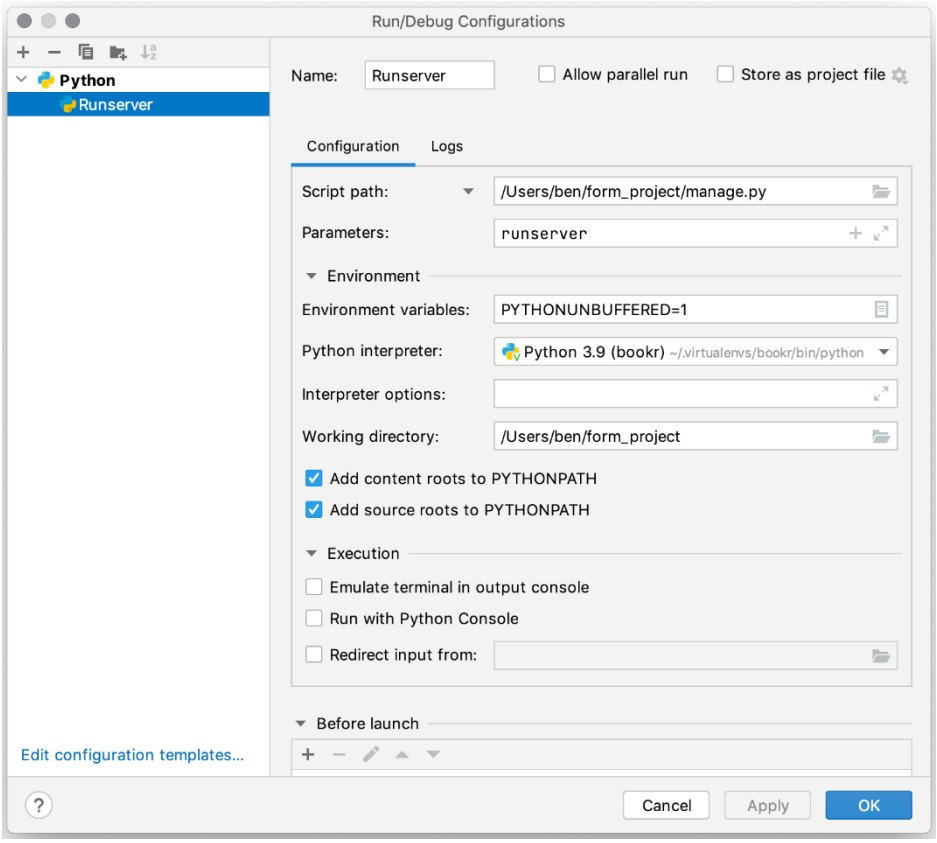
127.0.0.1:8000/books/#

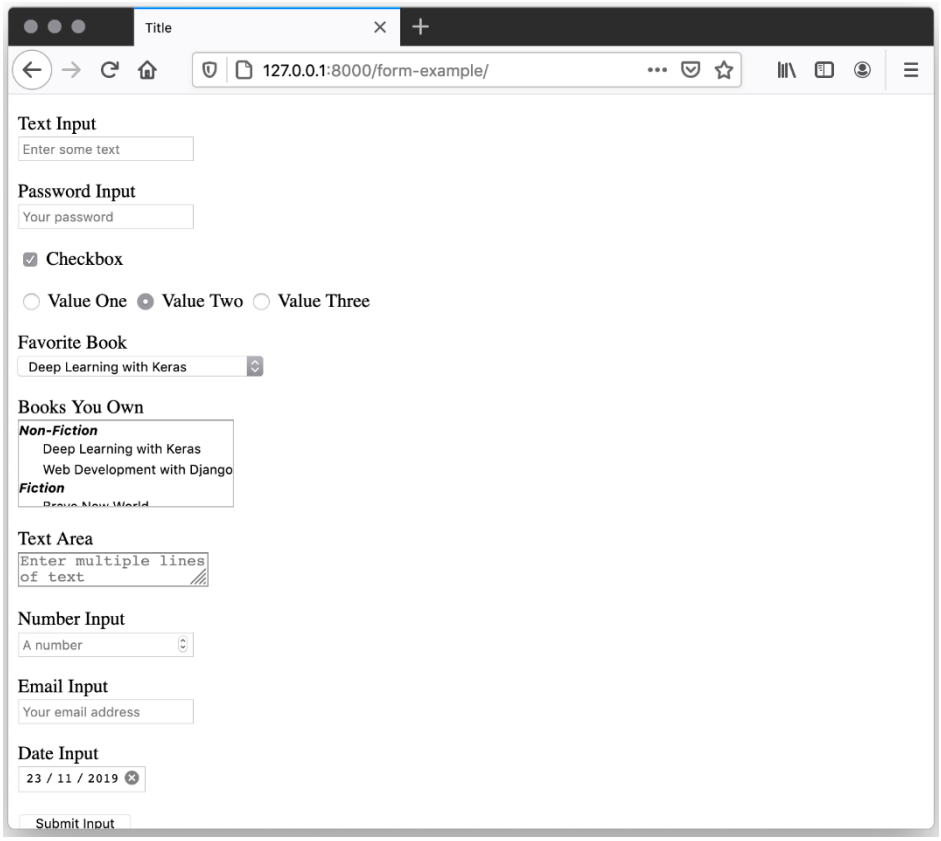
Chapter 06: Forms



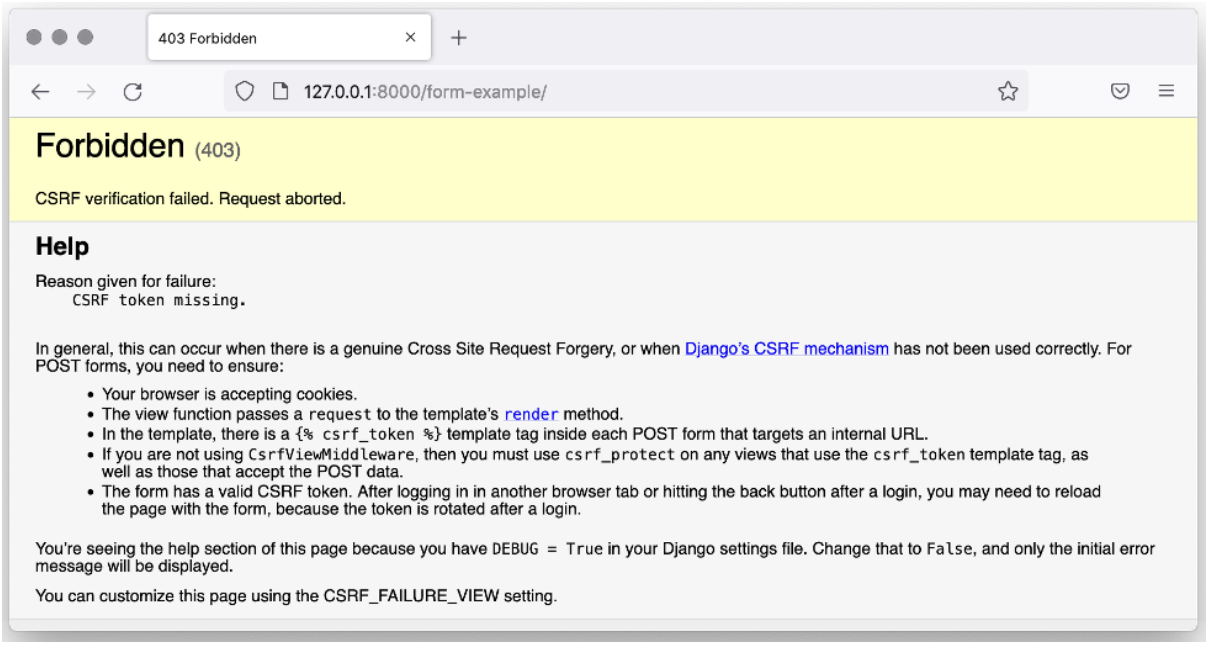


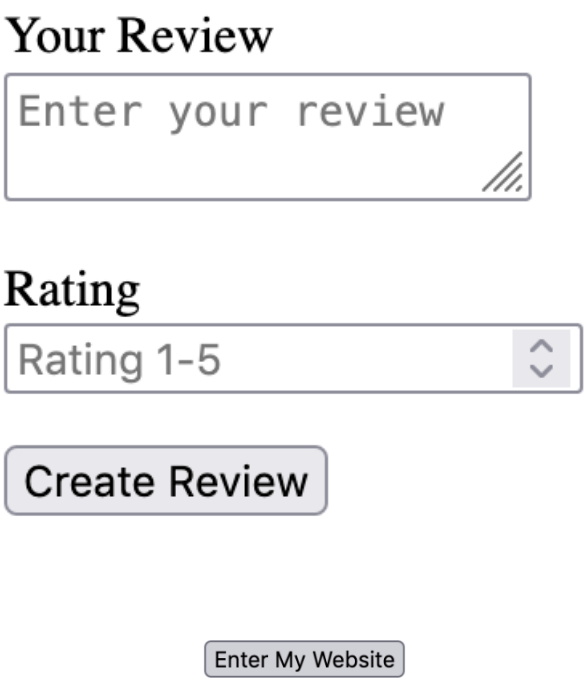

form_project
form_project
Add Configuration...
Project
form_project ~/form_project
form_example
form_project
manage.py
External Libraries
Scratches and Consoles
Search Everywhere Double ⇧
Go to File ⇧⌘O
Recent Files ⌘E
Navigation Bar ⌘↑
Drop files here to open them
Structure
Bookmarks
Version Control
TODO
Problems
Terminal
Python Packages
Python Console
Event Log
Python 3.9 has been configured as a project interpreter // Configure a Python interprete... (moments ago
Python 3.9


Run/Debug Configurations
Python
Runserver
Name:
Runserver
Allow parallel run
Store as project file
Configuration
Logs
Script path:
/Users/ben/form_project/manage.py
Parameters:
runserver
Environment
Environment variables:
PYTHONUNBUFFERED=1
Python interpreter:
Python 3.9 (bookr) ~/.virtualenvs/bookr/bin/python
Interpreter options:
Working directory:
/Users/ben/form_project
Add content roots to PYTHONPATH
Add source roots to PYTHONPATH
Execution
Emulate terminal in output console
Run with Python Console
Redirect input from:
Before launch
Edit configuration templates...
Cancel
Apply
OK


Title
127.0.0.1:8000/form-example/
Text Input
Enter some text
Password Input
Your password
Checkbox
Value One
Value Two
Value Three
Favorite Book
Deep Learning with Keras
Books You Own
Non-Fiction
Deep Learning with Keras
Web Development with Django
Fiction
Text Area
Enter multiple lines of text
Number Input
A number
Email Input
Your email address
Date Input
23 / 11 / 2019
Submit Input

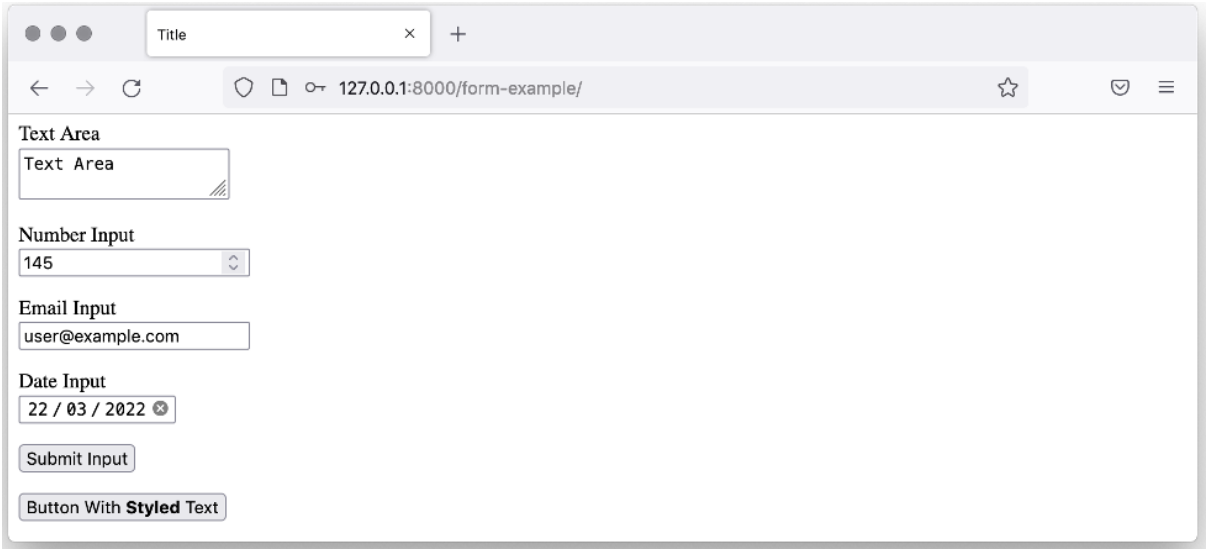
Number Input
4+5+6+7
Please enter a number.

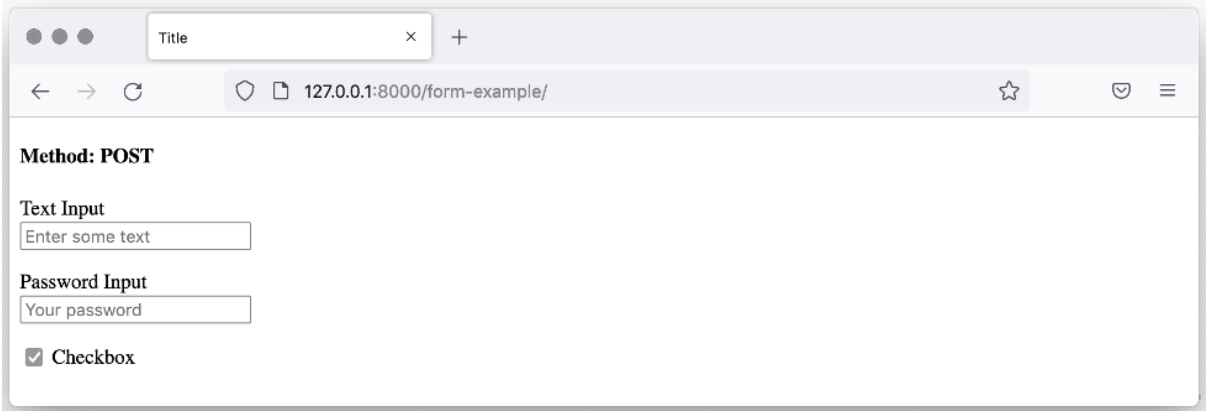


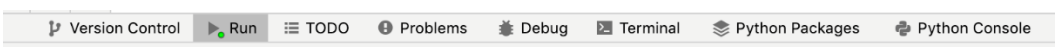


Enter My Website

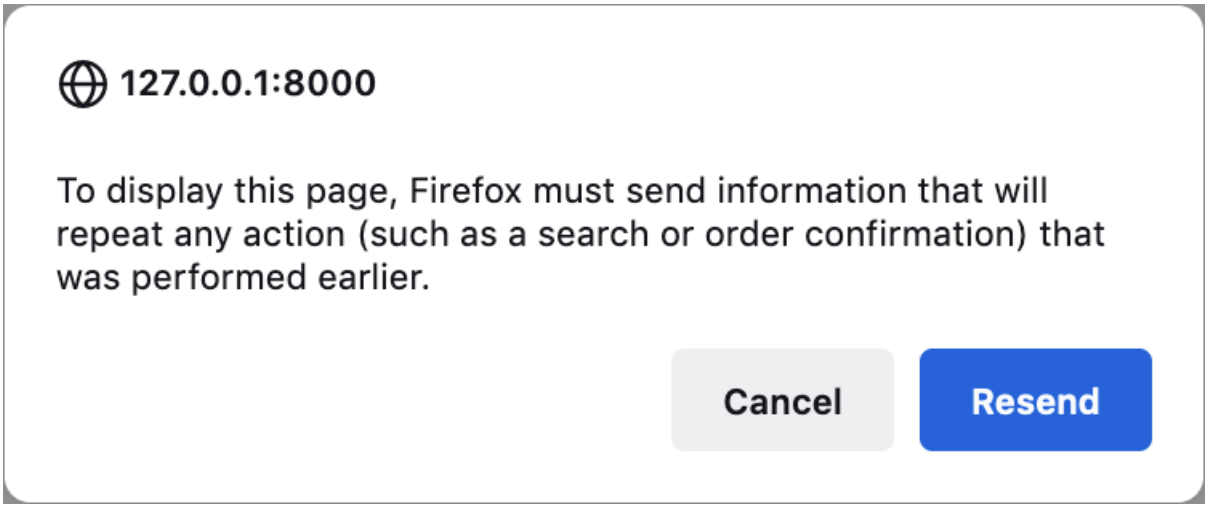
Title
127.0.0.1:8000/form-example/
Method: GET
Text Input
Enter some text
Password Input
Your password
Checkbox


Title
127.0.0.1:8000/form-example/
Text Area
Text Area
Number Input
145
Email Input
user@example.com
Date Input
22 / 03 / 2022
Submit Input
Button With Styled Text


Title
127.0.0.1:8000/form-example/
Method: POST
Text Input
Enter some text
Password Input
Your password
Checkbox


Version Control
Run
TODO
Problems
Debug
Terminal
Python Packages
Python Console

```
csrfmiddlewaretoken: ['HmMPTL0lXLRT
text_input: ['Text']
password_input: ['']
checkbox_on: ['Checkbox Checked']
radio_input: ['Value Two']
favorite_book: ['1']
books_you_own: ['1', '3']
text_area: ['Text Area']
number_input: ['154']
email_input: ['email@example.com']
date_input: ['2022-03-22']
button_element: ['Button Element']
hidden_input: ['Hidden Value']
```

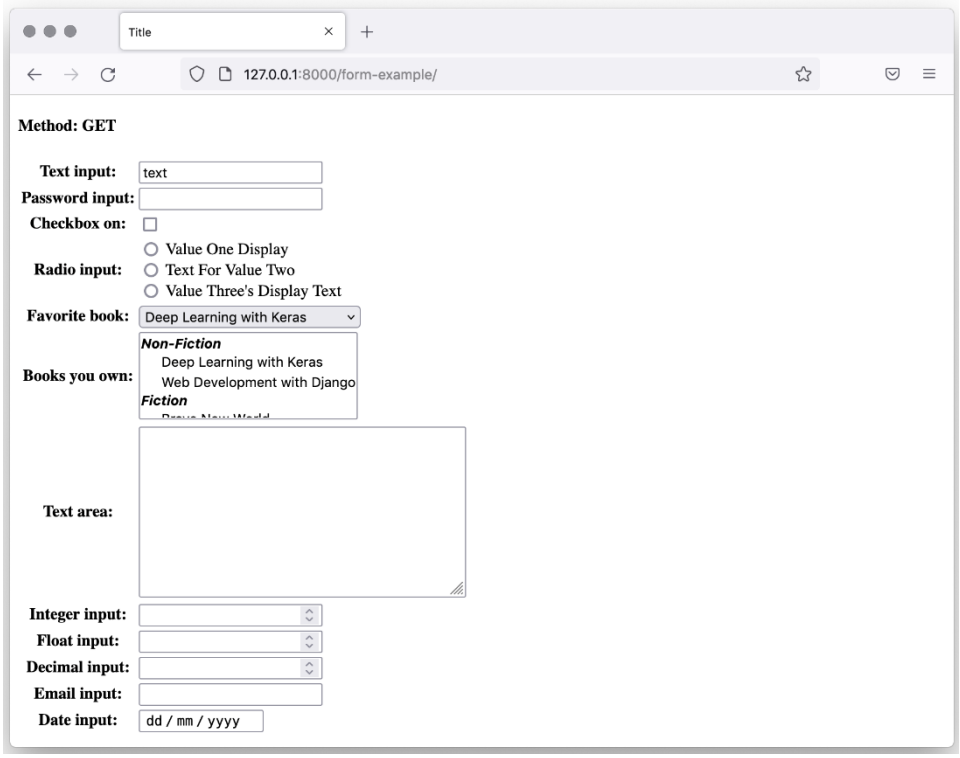


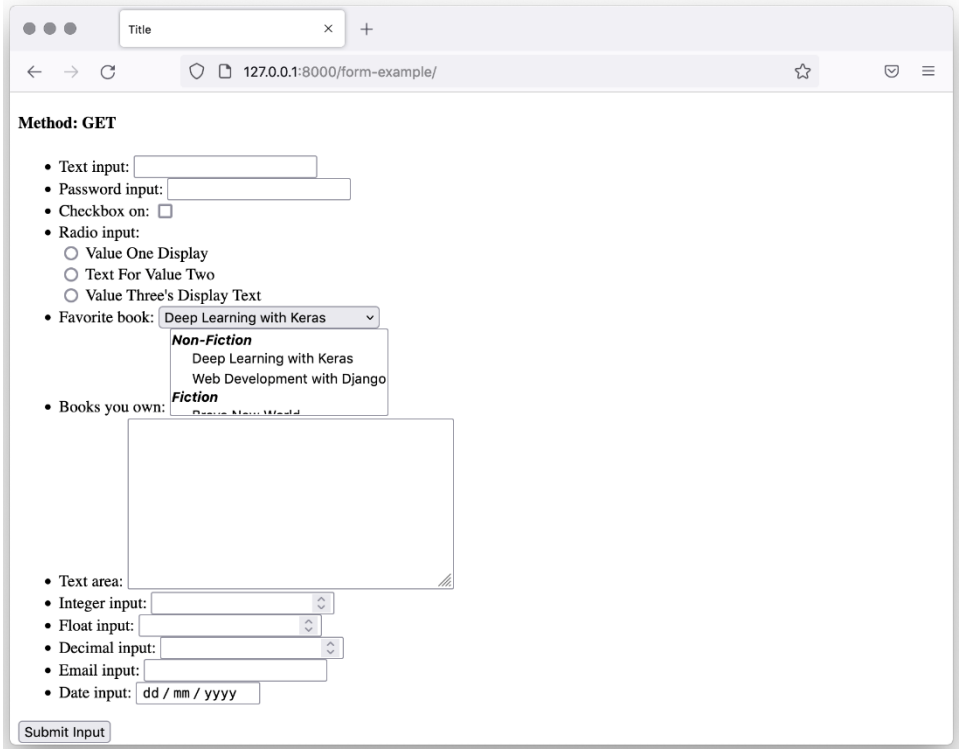
Text input: text

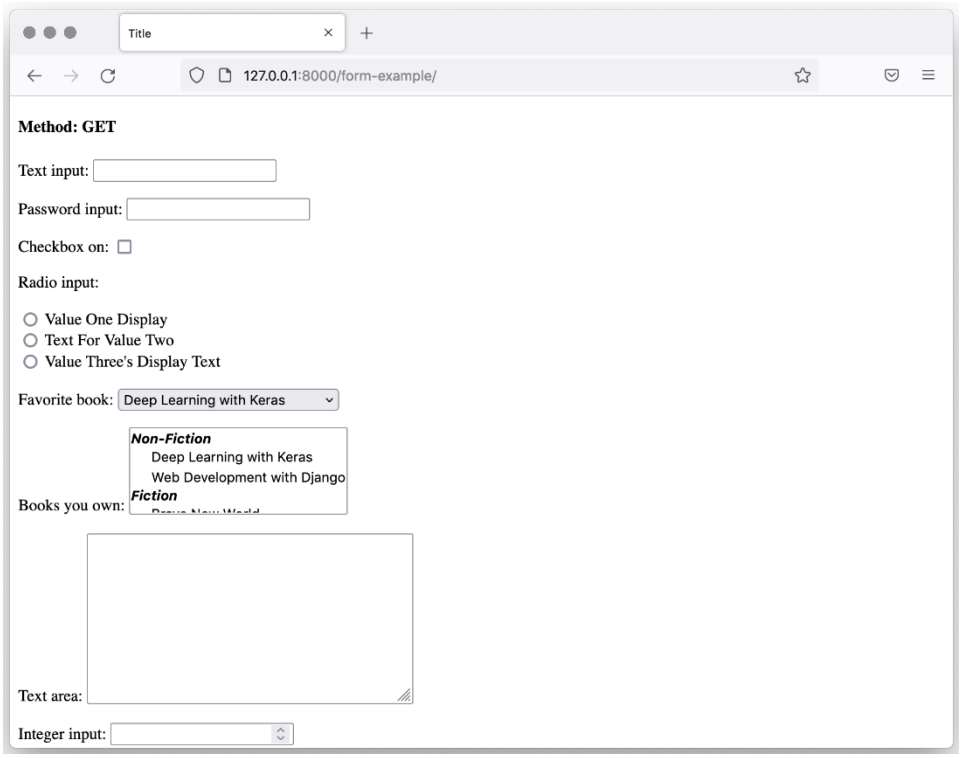
Password input: ••••••••

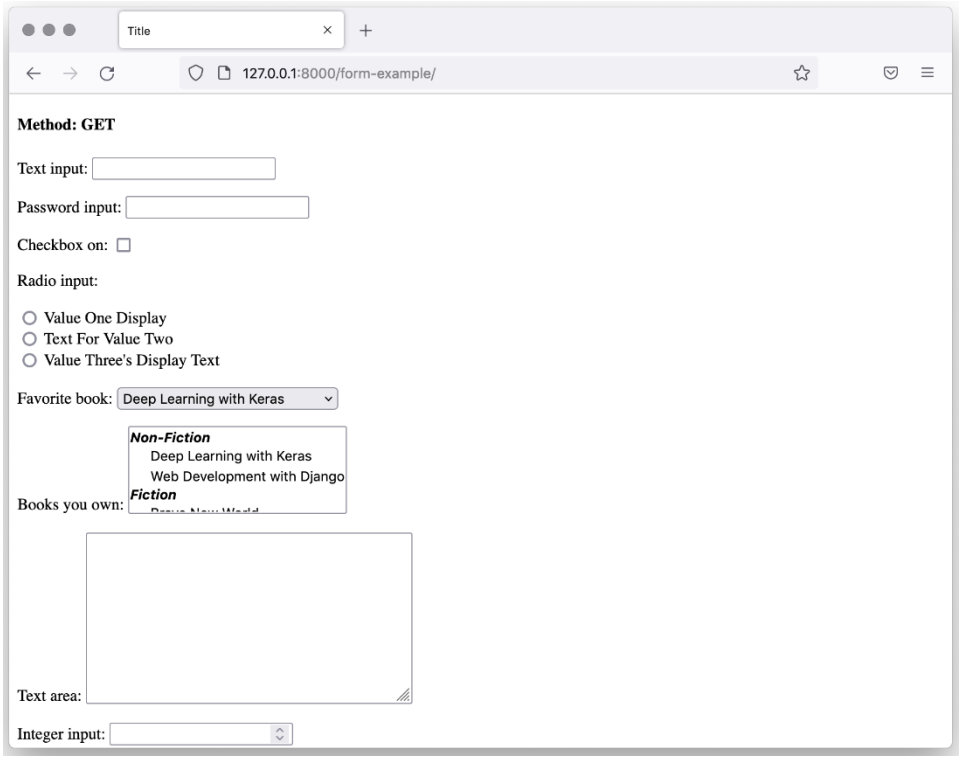
Date input:

Date input: dd / mm / yyyy

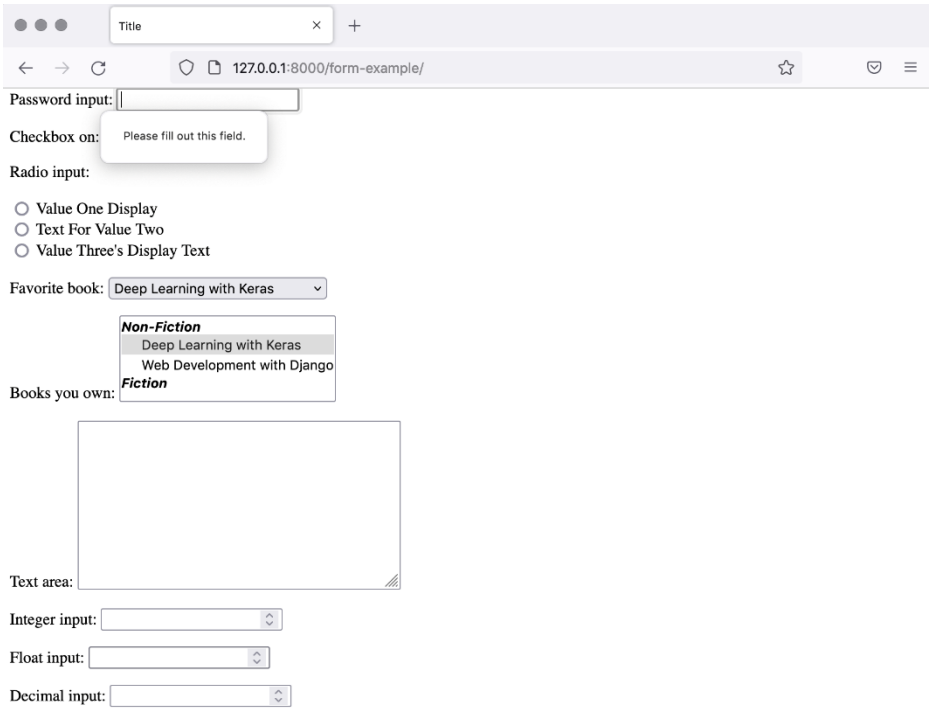

Title
127.0.0.1:8000/form-example/
Method: GET
Text input:
text
Password input:
Checkbox on:
Radio input:
Value One Display
Text For Value Two
Value Three's Display Text
Favorite book:
Deep Learning with Keras
Books you own:
Non-Fiction
Deep Learning with Keras
Web Development with Django
Fiction
Text area:
Integer input:
Float input:
Decimal input:
Email input:
Date input:
dd / mm / yyyy


Title
127.0.0.1:8000/form-example/
Method: GET
Text input:
Password input:
Checkbox on:
Radio input:
Value One Display
Text For Value Two
Value Three's Display Text
Favorite book:
Deep Learning with Keras
Non-Fiction
Deep Learning with Keras
Web Development with Django
Fiction
Books you own:
Text area:
Integer input:
Float input:
Decimal input:
Email input:
Date input:
dd / mm / yyyy
Submit Input

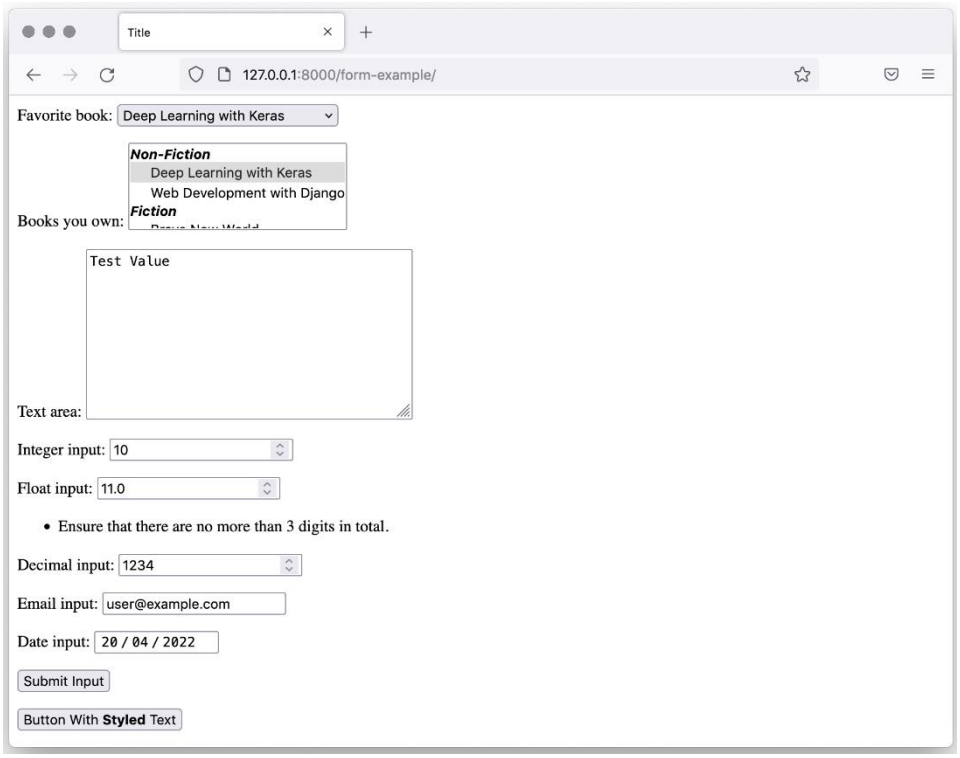

Title
127.0.0.1:8000/form-example/
Method: GET
Text input:
Password input:
Checkbox on:
Radio input:
Value One Display
Text For Value Two
Value Three's Display Text
Favorite book: Deep Learning with Keras
Books you own:
Non-Fiction
Deep Learning with Keras
Web Development with Django
Fiction
Text area:
Integer input:


Title
127.0.0.1:8000/form-example/
Method: GET
Text input:
Password input:
Checkbox on:
Radio input:
Value One Display
Text For Value Two
Value Three's Display Text
Favorite book: Deep Learning with Keras
Books you own:
Non-Fiction
Deep Learning with Keras
Web Development with Django
Fiction
Text area:
Integer input:

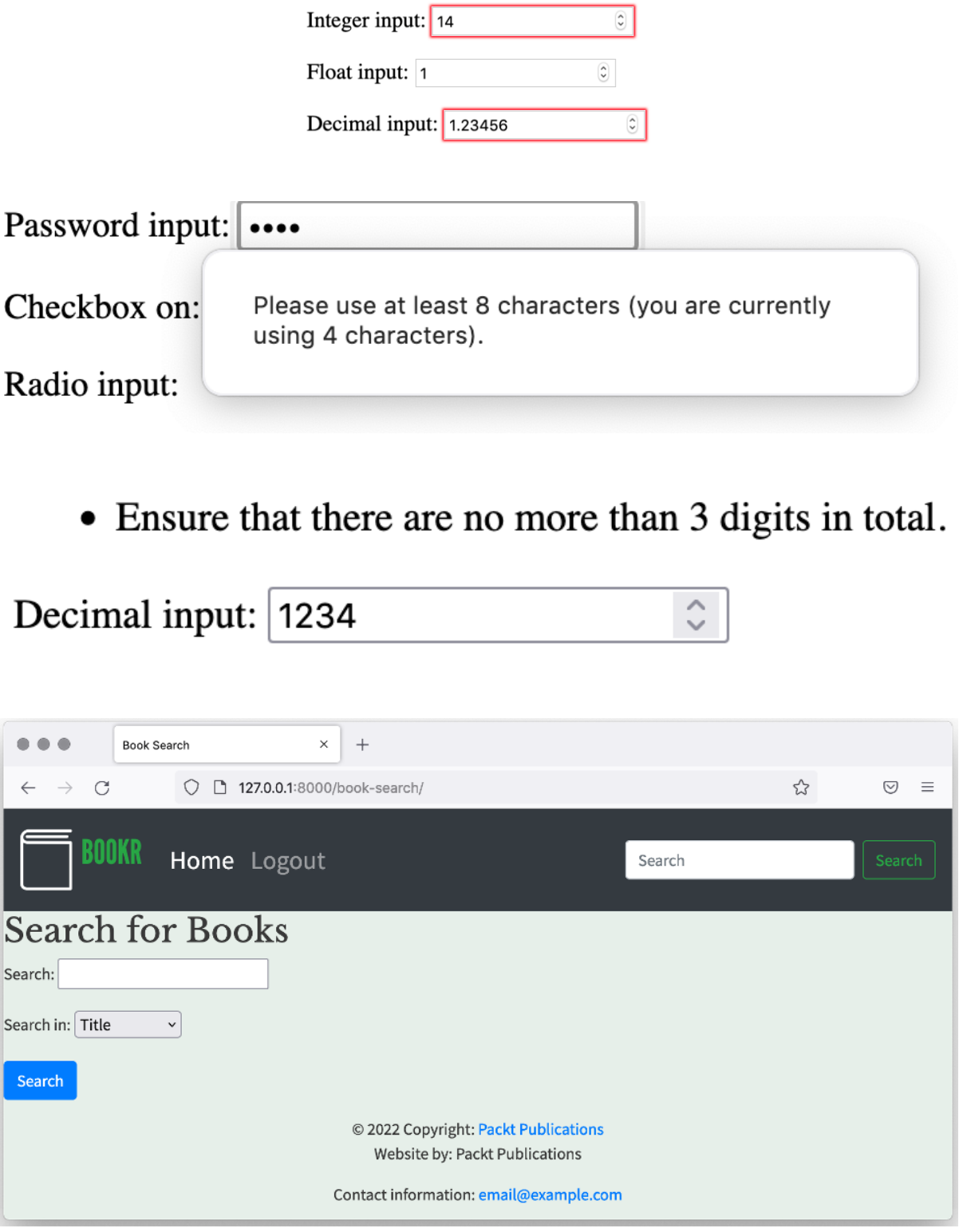
```
csrfmiddlewaretoken: ['aozp1KTShy7e0SbHiig41Qytcfd57BpwpDR3MgyaT1gd9GjOuT5U1sOTVr6JeTIc']
text_input: ['Text']
password_input: ['password']
checkbox_on: ['on']
radio_input: ['Value Two']
favorite_book: ['1']
books_you_own: ['1', '2']
text_area: ['Some text in the text area.']
integer_input: ['10']
float_input: ['10.5']
decimal_input: ['11.5']
email_input: ['user@example.com']
date_input: ['2022-04-20']
hidden_input: ['Hidden Value']
submit_input: ['Submit Input']
```

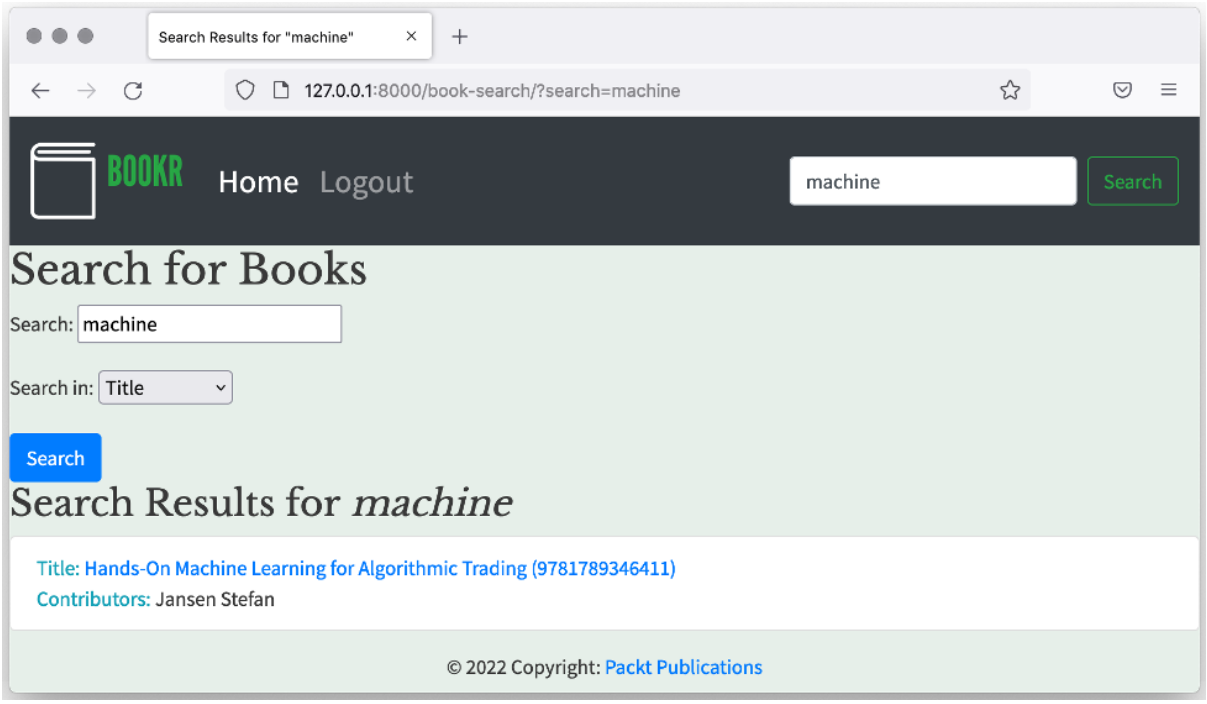


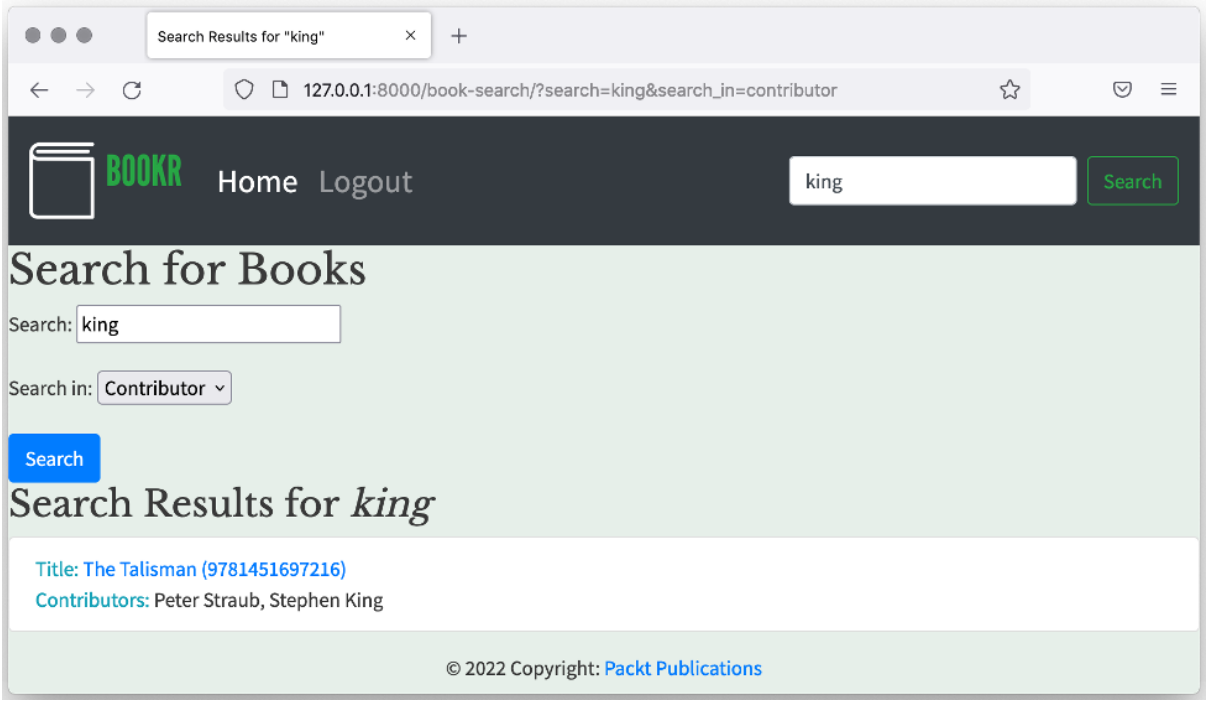
- Ensure that there are no more than 3 digits in total.




```
text_input: (<class 'str'>) Text
password_input: (<class 'str'>) password
checkbox_on: (<class 'bool'>) True
radio_input: (<class 'str'>) Value One
favorite_book: (<class 'str'>) 1
books_you_own: (<class 'list'>) ['1']
text_area: (<class 'str'>) Test Value
integer_input: (<class 'int'>) 10
float_input: (<class 'float'>) 11.0
decimal_input: (<class 'decimal.Decimal'>) 123
email_input: (<class 'str'>) user@example.com
date_input: (<class 'datetime.date'>) 2022-04-20
hidden_input: (<class 'str'>) Hidden Value
```


Integer input: 14
Float input: 1
Decimal input: 1.23456
Password input:
Checkbox on:
Radio input:
Please use at least 8 characters (you are currently using 4 characters).
Ensure that there are no more than 3 digits in total.
Decimal input: 1234
Book Search
127.0.0.1:8000/book-search/
BOOKR
Home
Logout
Search
Search
Search for Books
Search:
Search in: Title
Search
© 2022 Copyright: Packt Publications
Website by: Packt Publications
Contact information: email@example.com


Search Results for "machine"
127.0.0.1:8000/book-search/?search=machine
BOOKR
Home
Logout
machine
Search
Search for Books
Search: machine
Search in: Title
Search
Search Results for machine
Title: Hands-On Machine Learning for Algorithmic Trading (9781789346411)
Contributors: Jansen Stefan
© 2022 Copyright: Packt Publications


Search Results for "king"
127.0.0.1:8000/book-search/?search=king&search_in=contributor
BOOKR
Home
Logout
king
Search
Search for Books
Search: king
Search in: Contributor
Search
Search Results for king
Title: The Talisman (9781451697216)
Contributors: Peter Straub, Stephen King
© 2022 Copyright: Packt Publications

- Text is not lowercase.

Text input: Text

Text input: ALL UPPERCASE

```
text_input: (<class 'str'>) all uppercase
```

Sign up to newsletter? ☐

Email: Enter your email address to subscribe

Submit Input

Sign up to newsletter? ☑

- Enter your email address to subscribe

Email: Enter your email address to subscribe

Submit Input

Item a: 105

Item

Please select a value that is no more than 100.

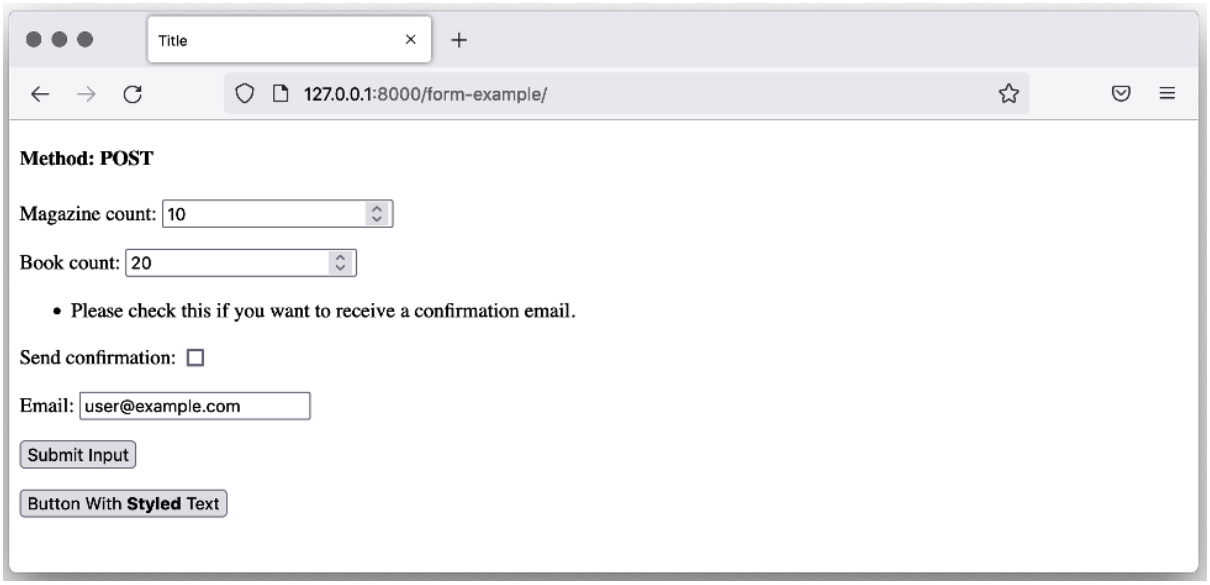
Submit Input

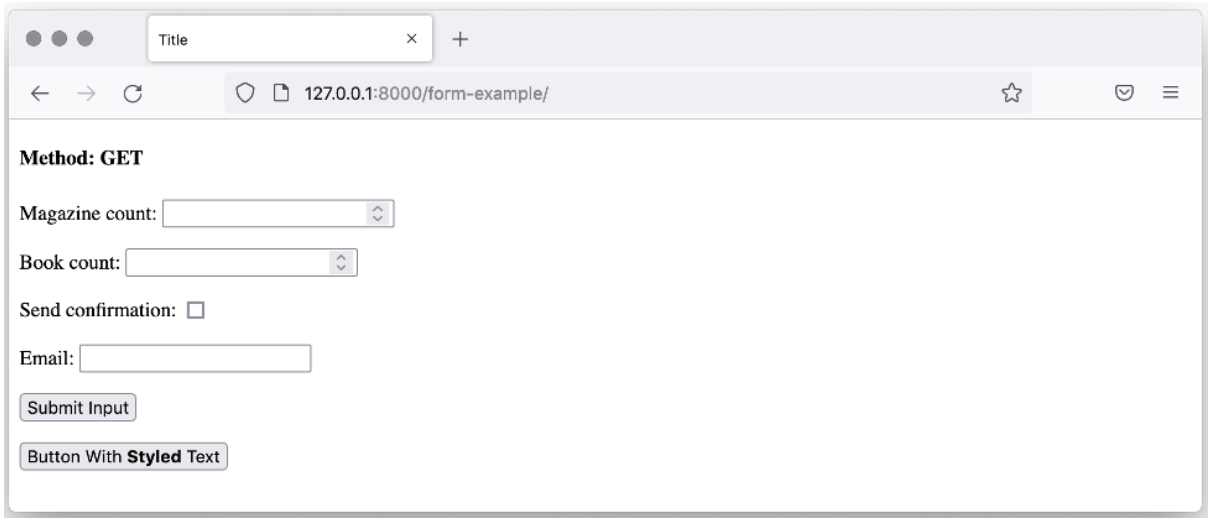
- The total number of items must be 100 or less.

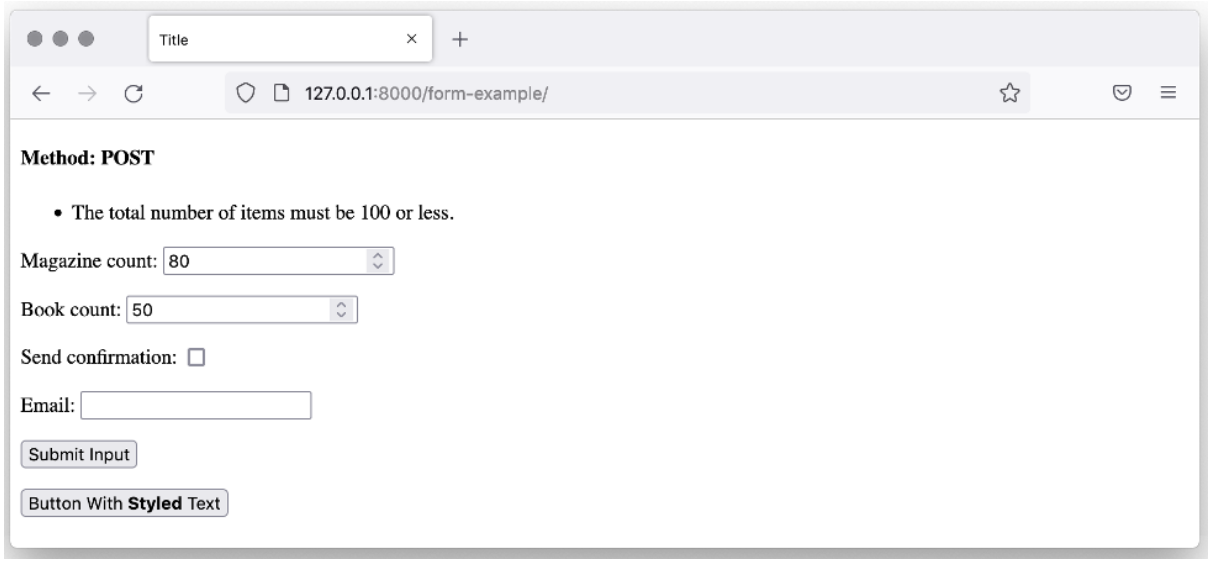
Item a: 90

Item b: 90

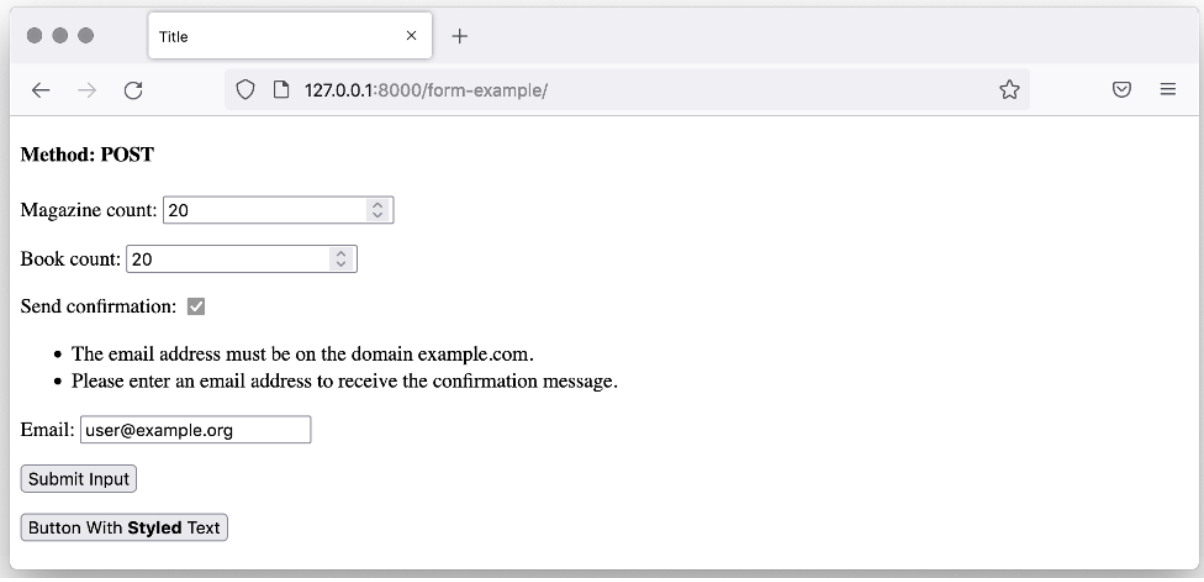
Submit Input

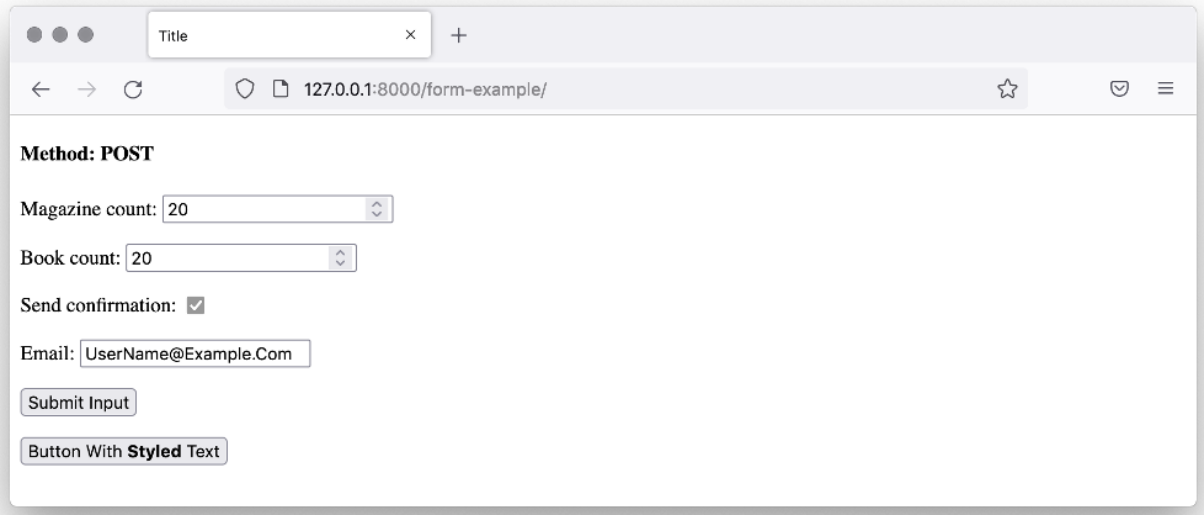



Title
127.0.0.1:8000/form-example/
Method: GET
Magazine count:
Book count:
Send confirmation:
Email:
Submit Input
Button With Styled Text


Title
127.0.0.1:8000/form-example/
Method: POST
The total number of items must be 100 or less.
Magazine count: 80
Book count: 50
Send confirmation:
Email:
Submit Input
Button With Styled Text

Title
127.0.0.1:8000/form-example/
Method: POST
Magazine count: 20
Book count: 20
Send confirmation:
Please enter an email address to receive the confirmation message.
Email:
Submit Input
Button With Styled Text





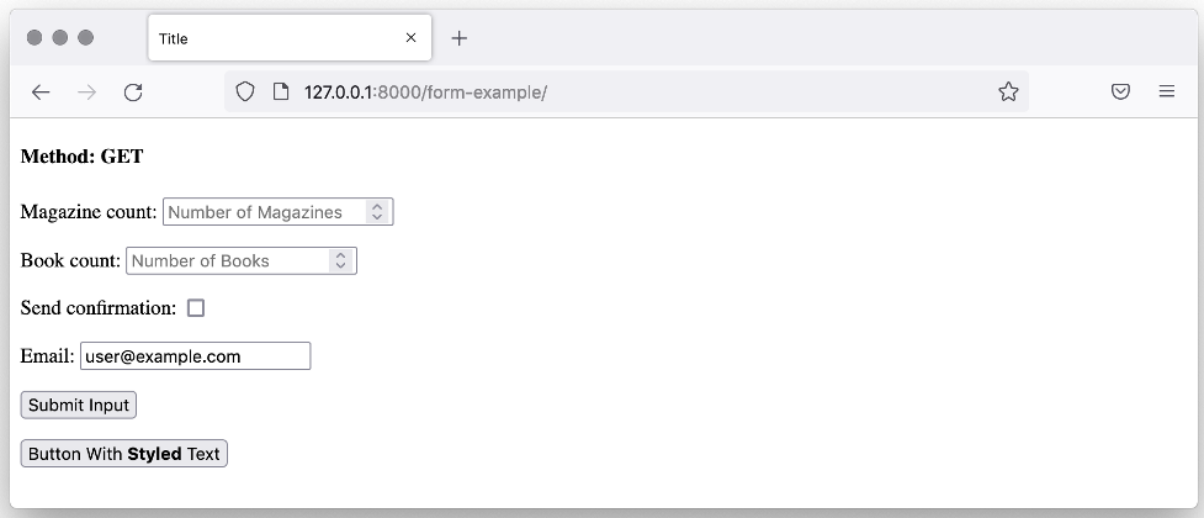

```
magazine_count: (<class 'int'>) 20
book_count: (<class 'int'>) 20
send_confirmation: (<class 'bool'>) True
email: (<class 'str'>) username@example.com
```

Text field: Text Placeholder

Password field: Password Placeholder

Email field: Email Placeholder

Text area: Text Area Placeholder



Name: The name of the Publisher.

Website: The Publisher's website.

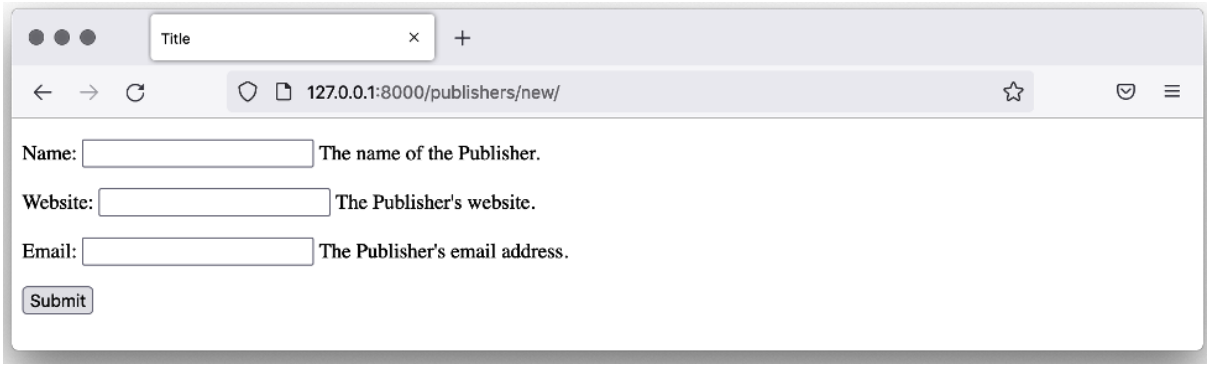
Email: The Publisher's email address.

Name: The name of the Publisher.

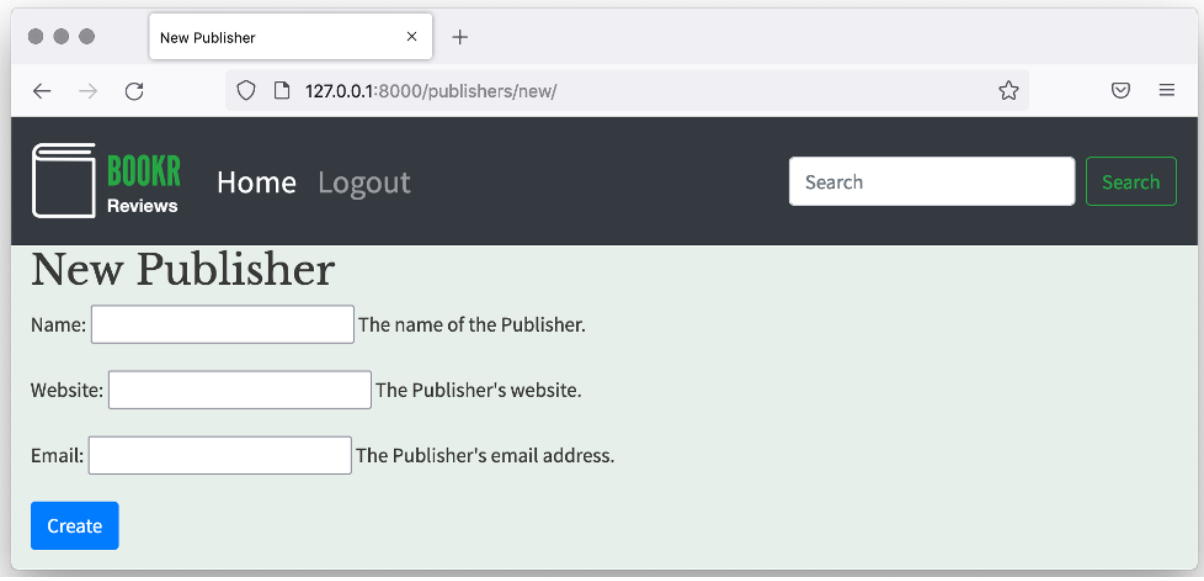
Website: The Publisher's website.

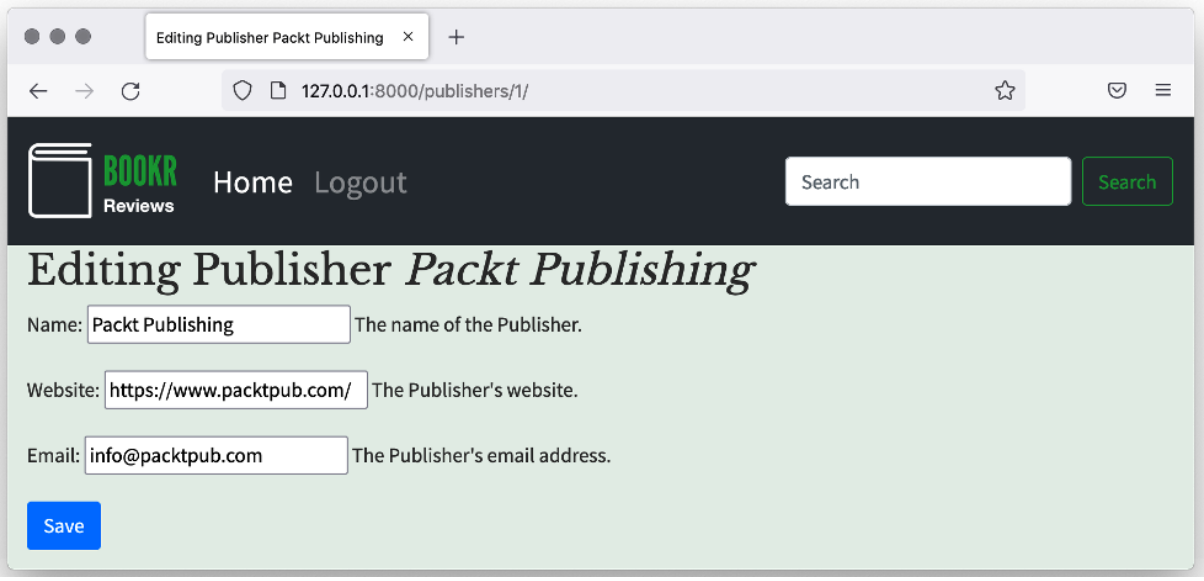
Email: The Publisher's email address.

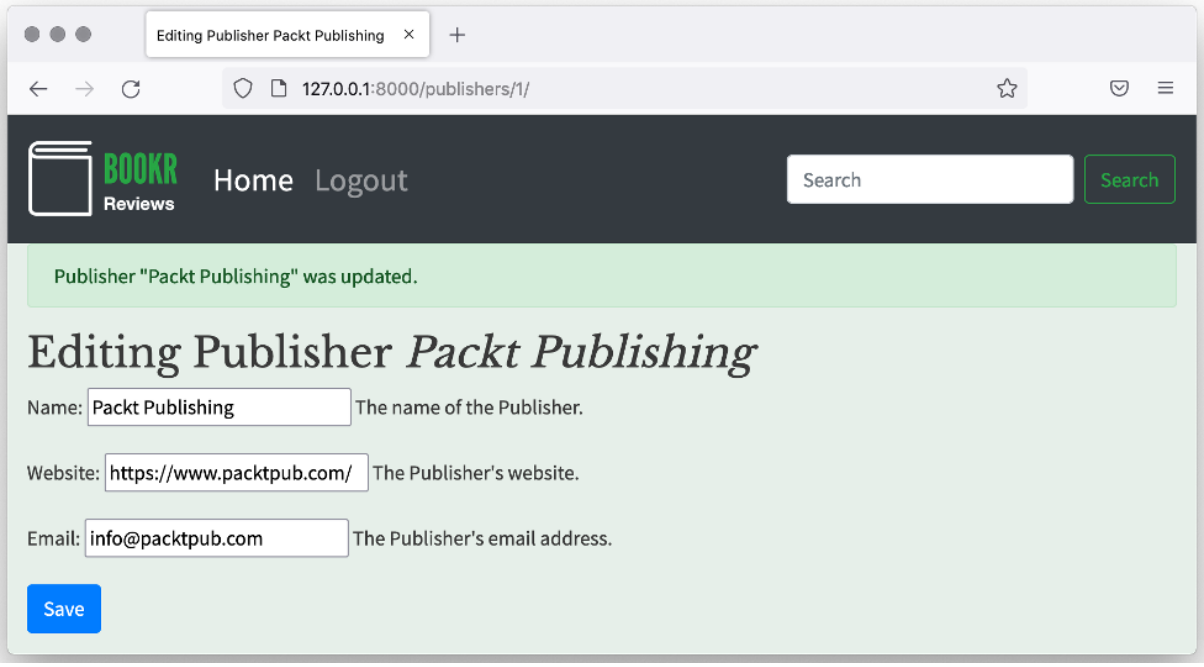
Email on save: Send notification email on save

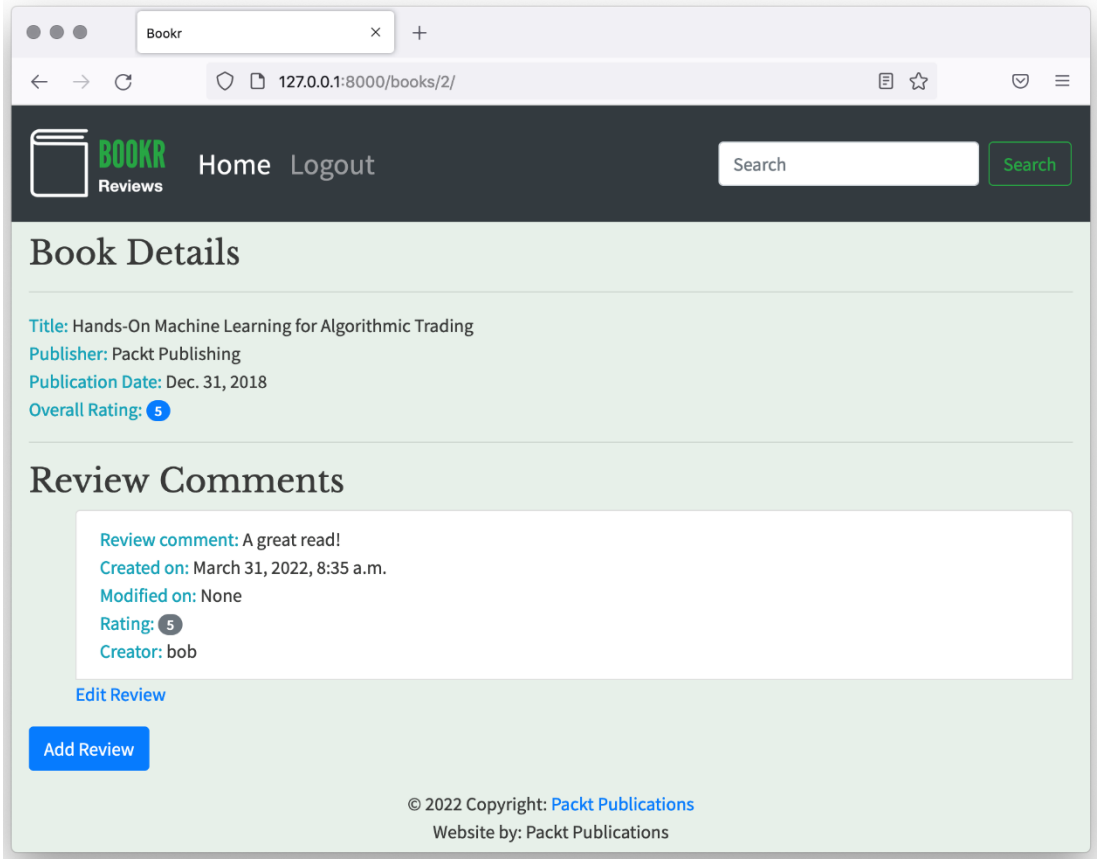


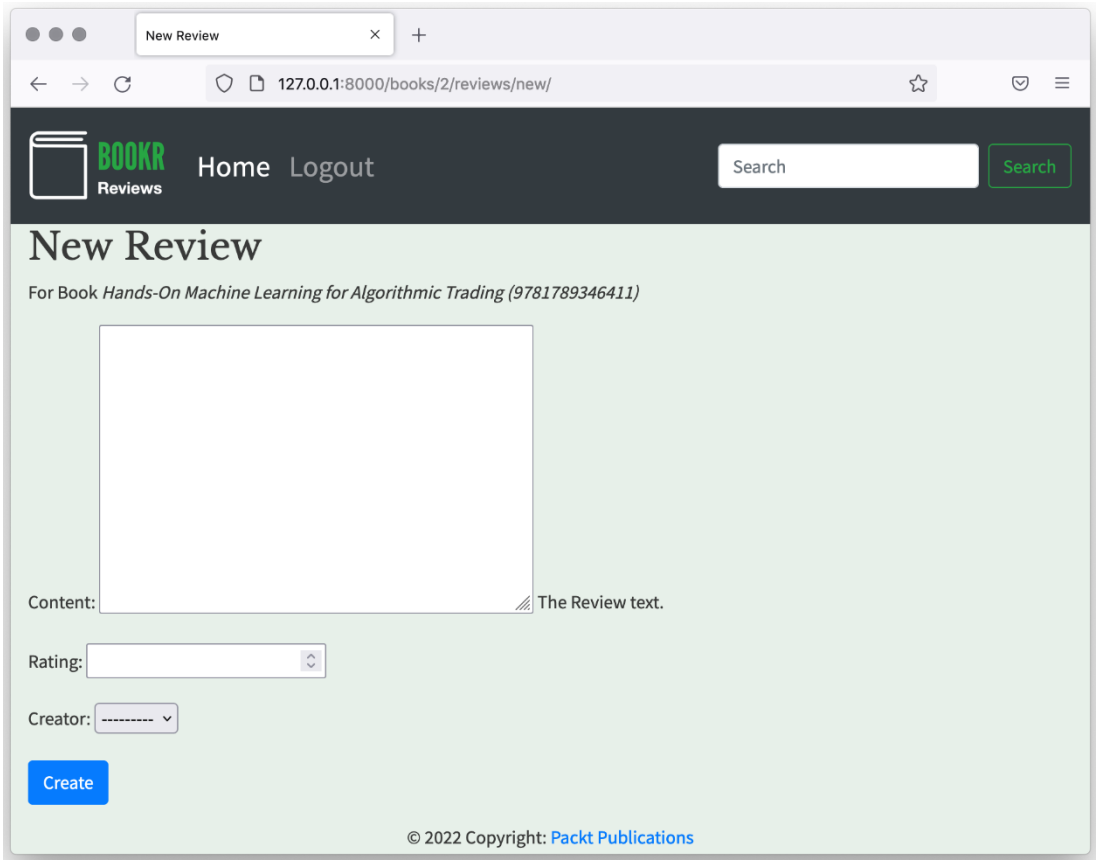
Title
127.0.0.1:8000/publishers/1/
Success: Publisher "Packt Publishing" was updated.
Name: Packt Publishing The name of the Publisher.
Website: https://www.packtpub.com/ The Publisher's website.
Email: info@packtpub.com The Publisher's email address.
Submit


New Publisher
127.0.0.1:8000/publishers/new/
BOOKR Reviews
Home Logout
Search
Search
New Publisher
Name: The name of the Publisher.
Website: The Publisher's website.
Email: The Publisher's email address.
Create

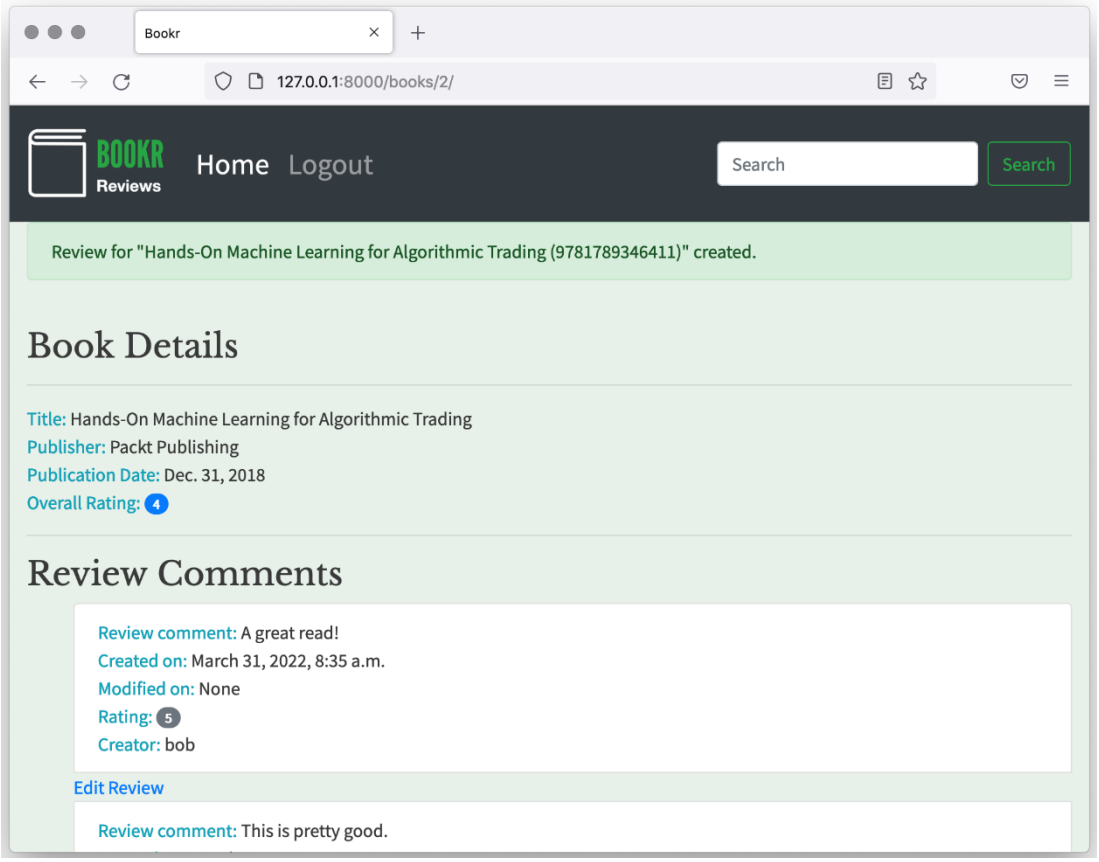

Editing Publisher Packt Publishing
127.0.0.1:8000/publishers/1/
BOOKR Reviews
Home Logout
Search
Search
Editing Publisher Packt Publishing
Name: Packt Publishing The name of the Publisher.
Website: https://www.packtpub.com/ The Publisher's website.
Email: info@packtpub.com The Publisher's email address.
Save

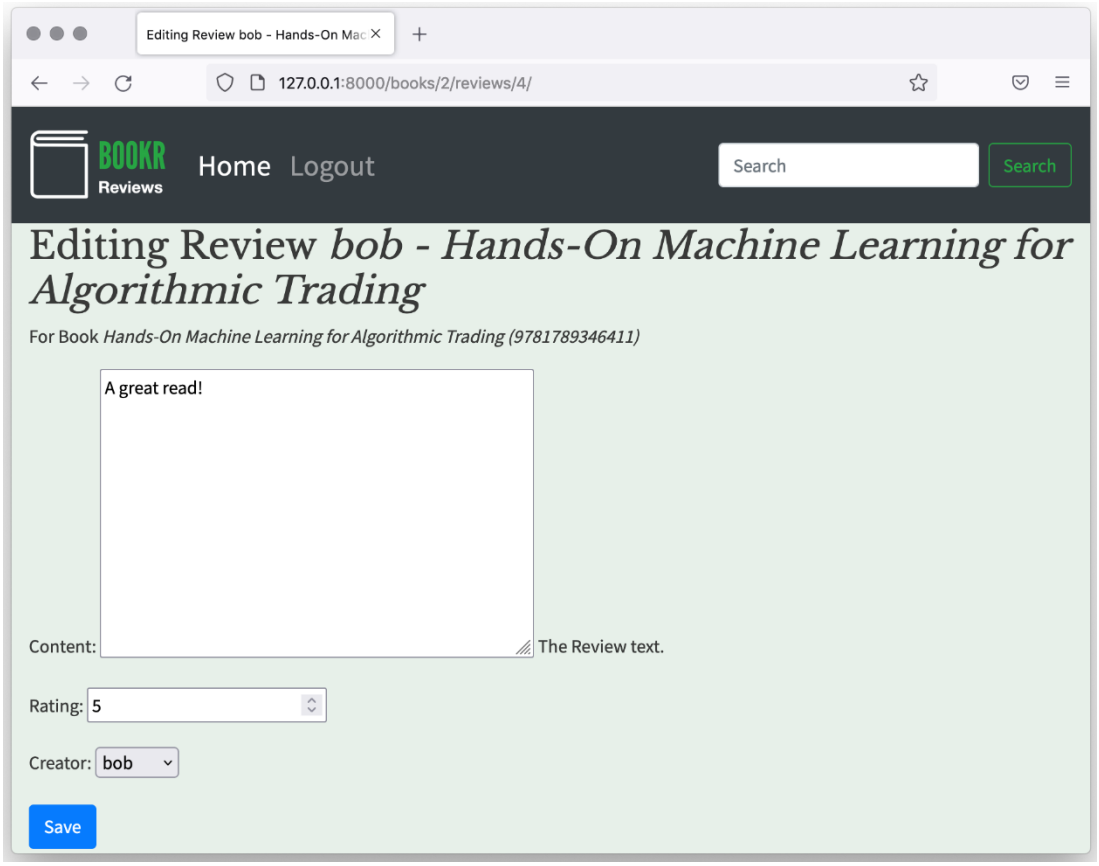

Editing Publisher Packt Publishing
127.0.0.1:8000/publishers/1/
BOOKR
Reviews
Home
Logout
Search
Search
Publisher "Packt Publishing" was updated.
Editing Publisher Packt Publishing
Name: Packt Publishing
The name of the Publisher.
Website: https://www.packtpub.com/
The Publisher's website.
Email: info@packtpub.com
The Publisher's email address.
Save


Bookr
127.0.0.1:8000/books/2/
BOOKR
Reviews
Home
Logout
Search
Search
Book Details
Title: Hands-On Machine Learning for Algorithmic Trading
Publisher: Packt Publishing
Publication Date: Dec. 31, 2018
Overall Rating: 5
Review Comments
Review comment: A great read!
Created on: March 31, 2022, 8:35 a.m.
Modified on: None
Rating: 5
Creator: bob
Edit Review
Add Review
© 2022 Copyright: Packt Publications
Website by: Packt Publications


New Review
127.0.0.1:8000/books/2/reviews/new/
BOOKR
Reviews
Home
Logout
Search
Search
New Review
For Book Hands-On Machine Learning for Algorithmic Trading (9781789346411)
Content:
The Review text.
Rating:
Creator:

Create
© 2022 Copyright: Packt Publications


Bookr
127.0.0.1:8000/books/2/
BOOKR
Reviews
Home
Logout
Search
Search
Review for "Hands-On Machine Learning for Algorithmic Trading (9781789346411)" created.
Book Details
Title: Hands-On Machine Learning for Algorithmic Trading
Publisher: Packt Publishing
Publication Date: Dec. 31, 2018
Overall Rating: 4
Review Comments
Review comment: A great read!
Created on: March 31, 2022, 8:35 a.m.
Modified on: None
Rating: 5
Creator: bob
Edit Review
Review comment: This is pretty good.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For Book Hands-On Machine Learning for Algorithmic Trading (9781789346411)
A great read!
Content:
The Review text.
Rating: 5
Creator: bob
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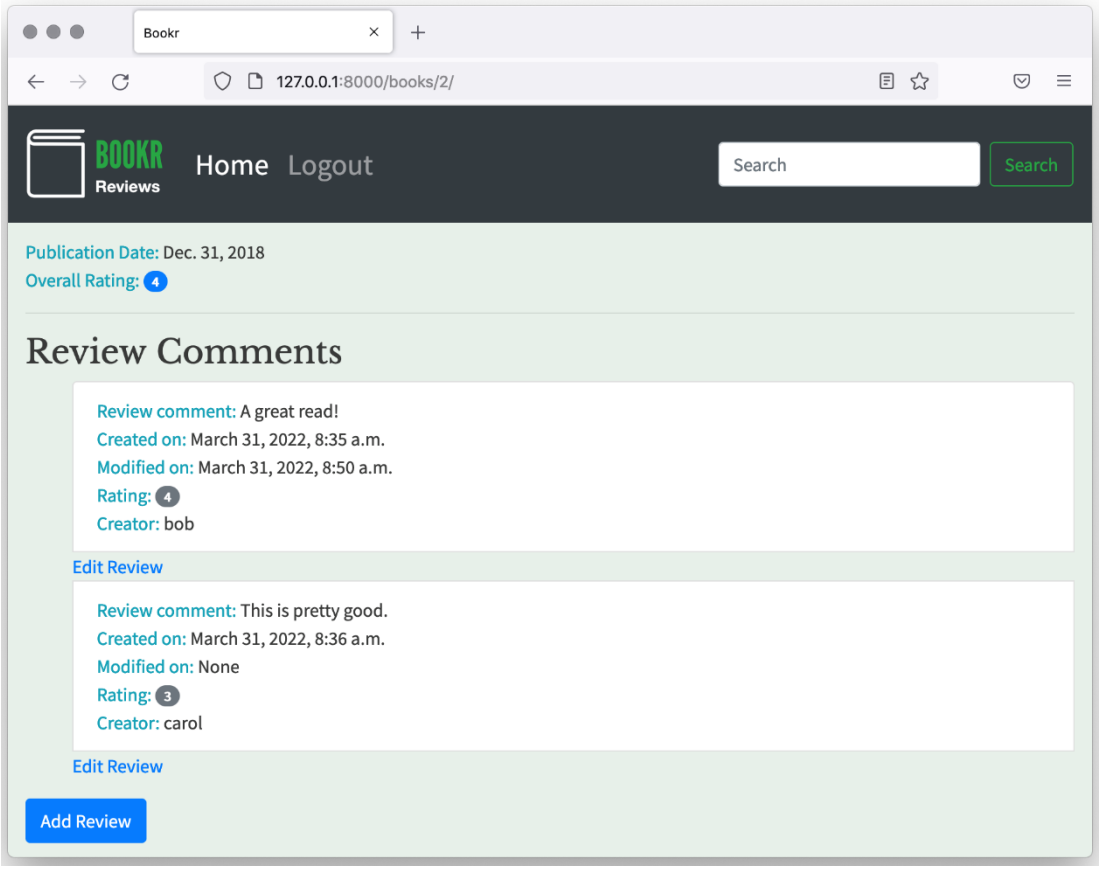
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BOOKR
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Search
Publication Date: Dec. 31, 2018
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Modified on: None
Rating: 3
Creator: carol
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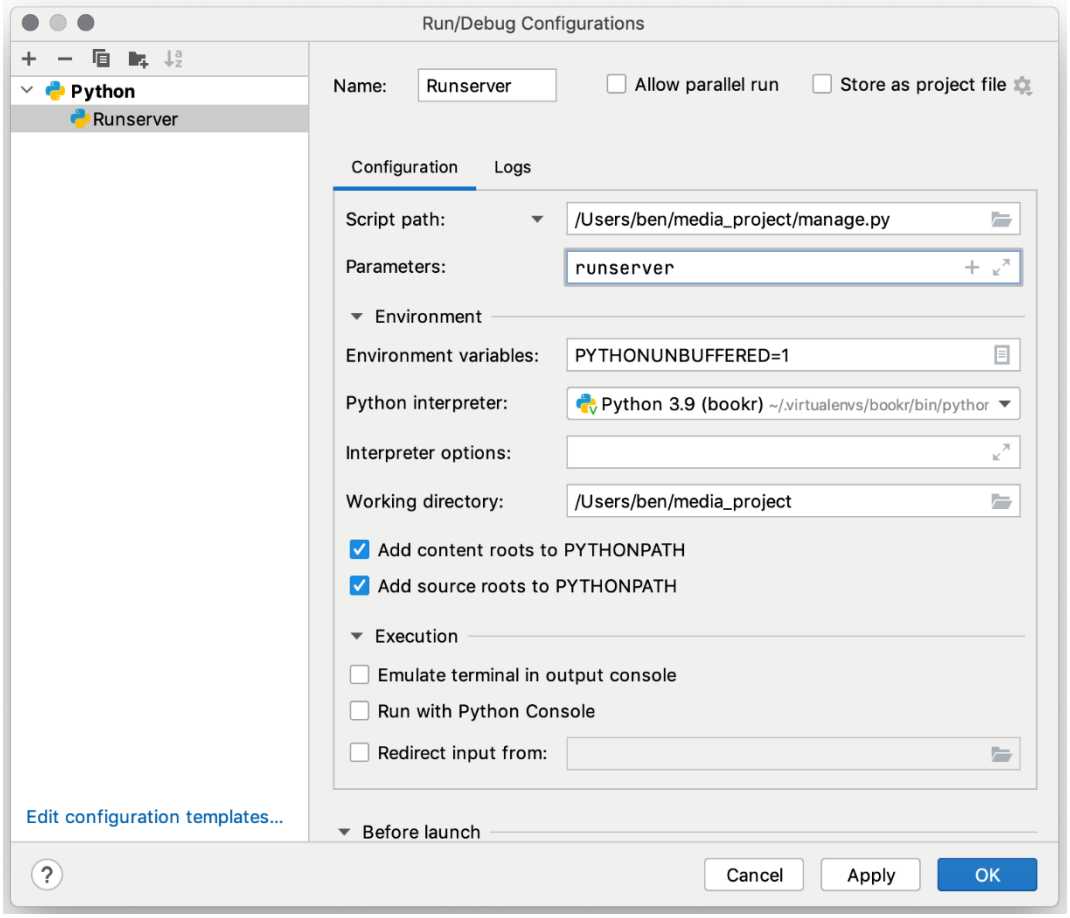
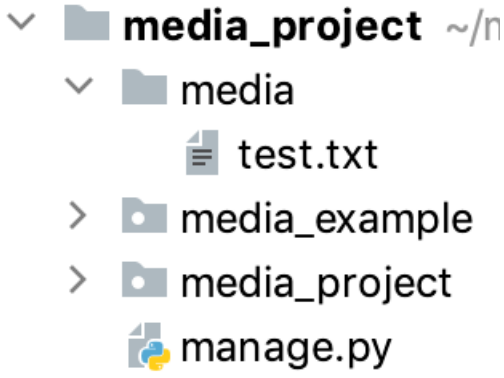
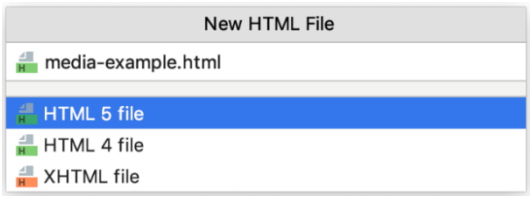
Add Review

Chapter 08: Media Serving and File Uploads



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media-example.html
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HTML 4 file
XHTML file

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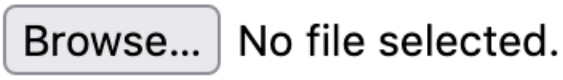
Test Text File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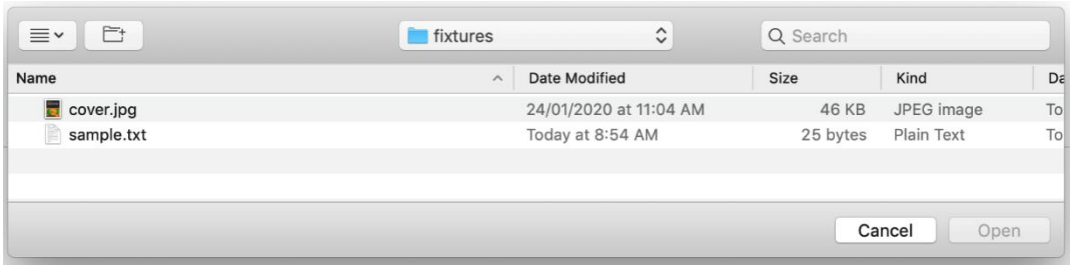
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Search
Name
Date Modified
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Kind
cover.jpg
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sample.txt
Today at 8:54 AM
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Browse...
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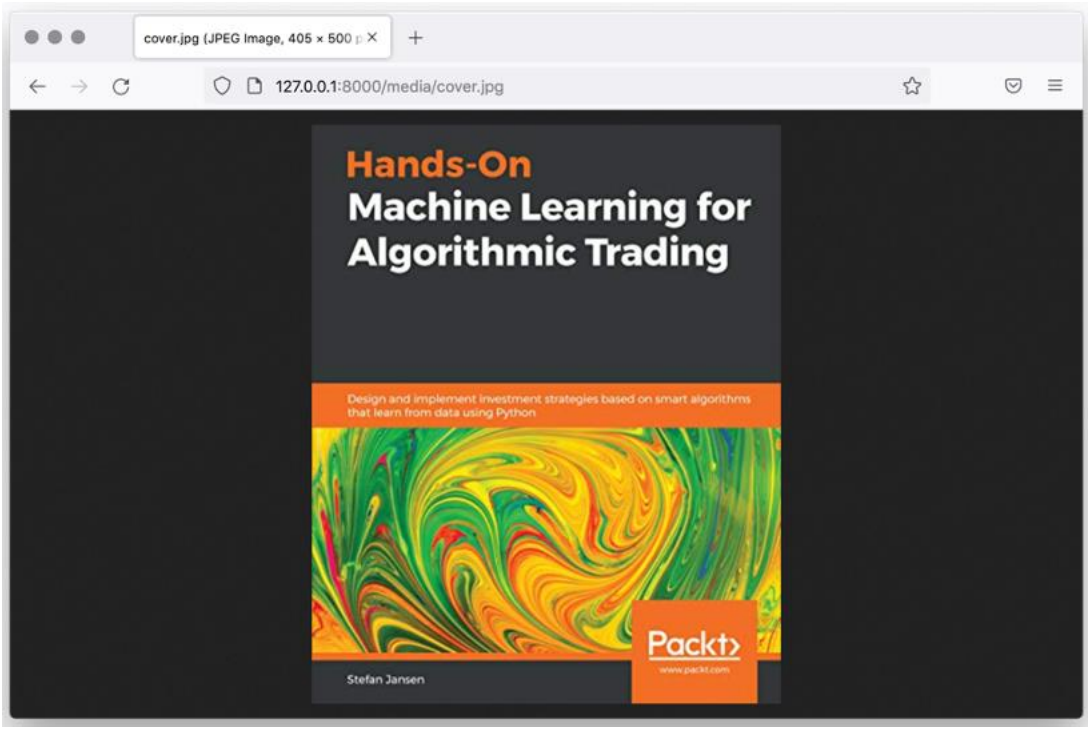
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Hands-On
Machine Learning for
Algorithmic Trading
Design and implement investment strategies based on smart algorithms
that learn from data using Python
Packt
Stefan Jansen

media
cover.jpg

Title
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File upload: Browse... No file selected.
Submit

Title
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Title
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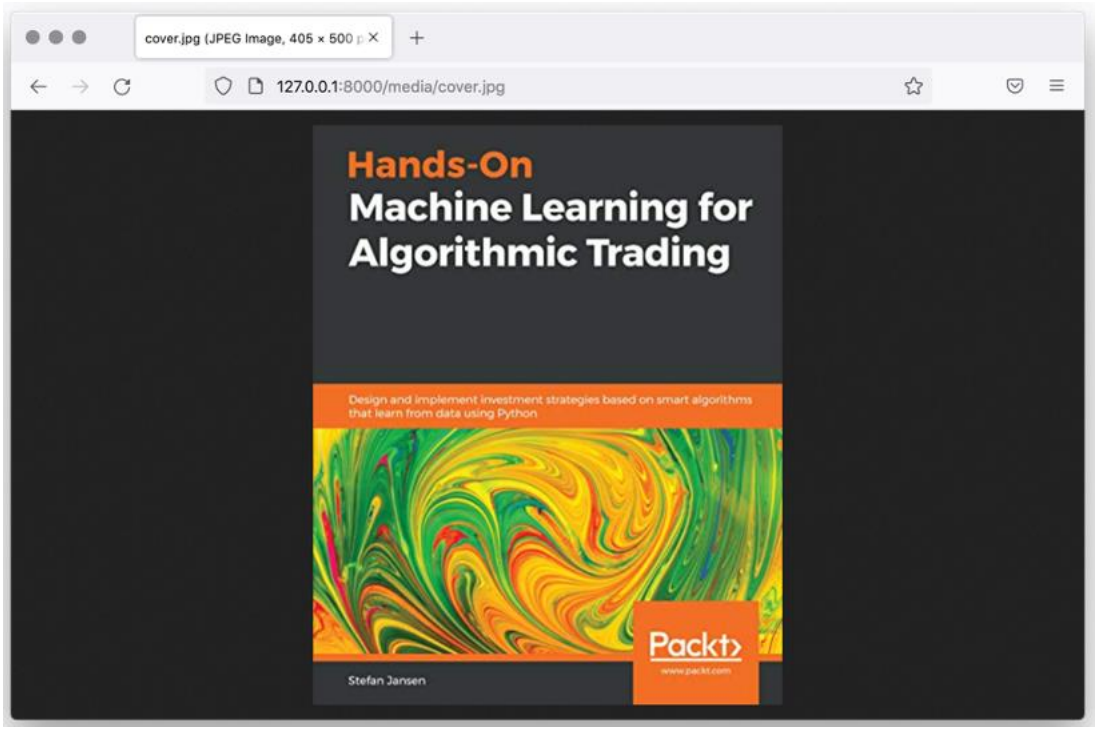
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Hands-On
Machine Learning for
Algorithmic Trading
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Title
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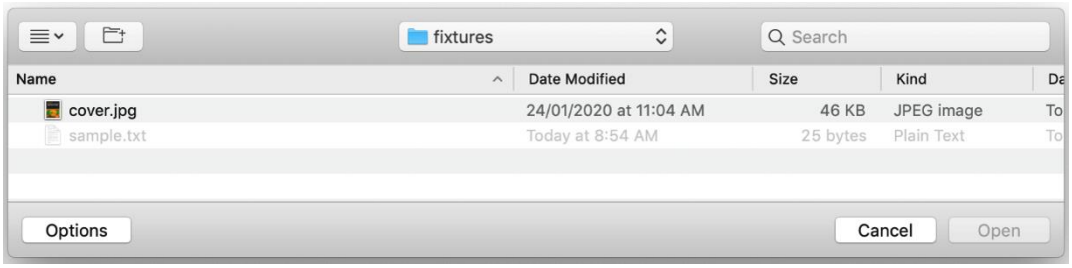
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Name
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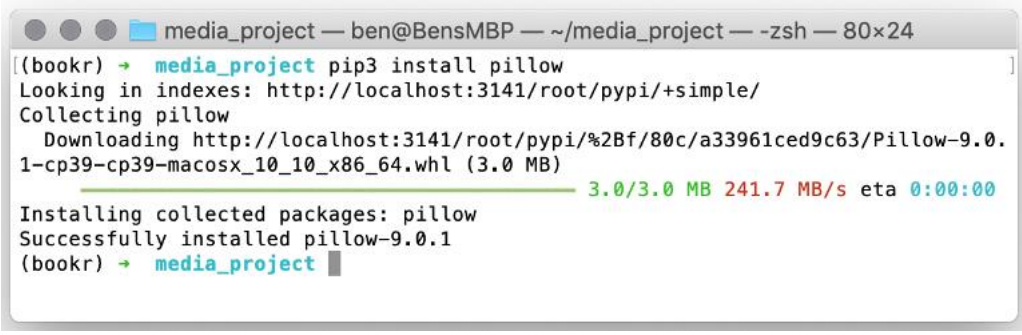
Options
Cancel
Open


media_project — ben@BensMBP — ~/media_project — -zsh — 80×24
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Collecting pillow
Downloading http://localhost:3141/root/pypi/%2Bf/80c/a33961ced9c63/Pillow-9.0.
1-cp39-cp39-macosx_10_10_x86_64.whl (3.0 MB)
3.0/3.0 MB 241.7 MB/s eta 0:00:00
Installing collected packages: pillow
Successfully installed pillow-9.0.1
(bookr) → media_project

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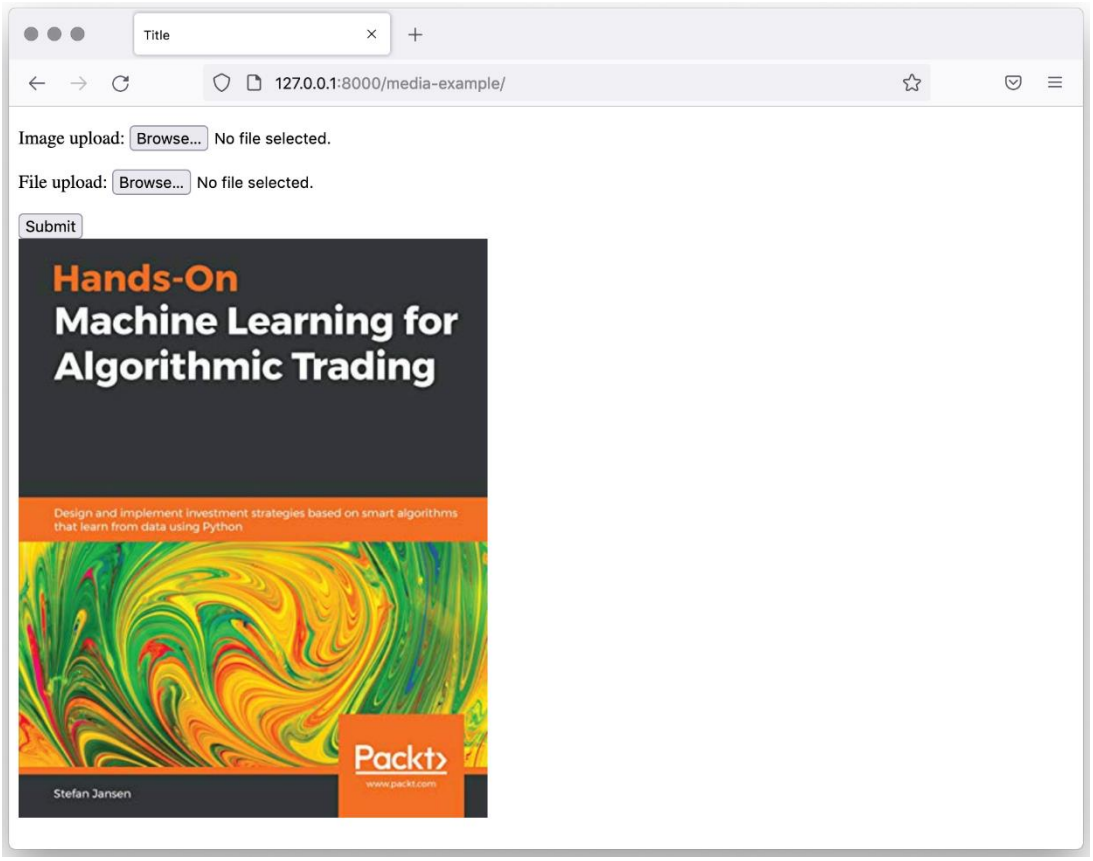
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File upload: Browse... No file selected.
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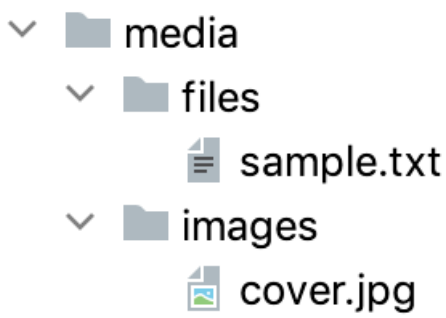
media
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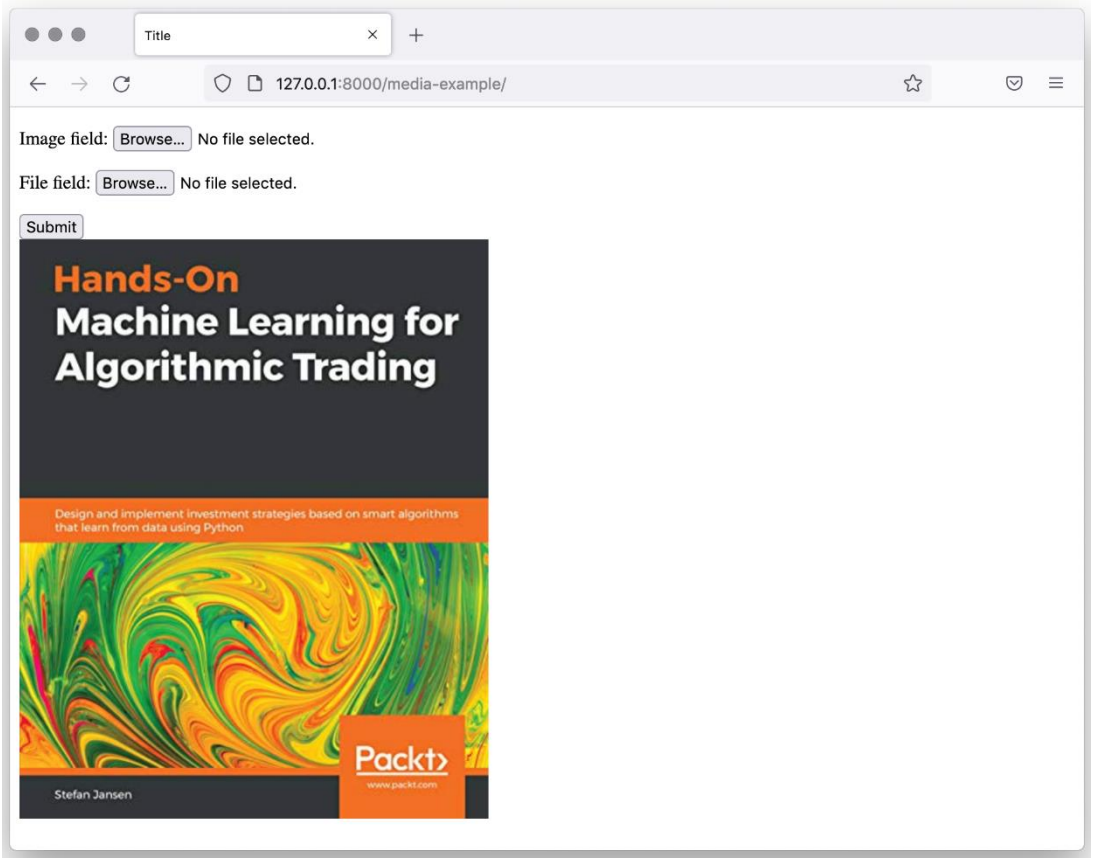
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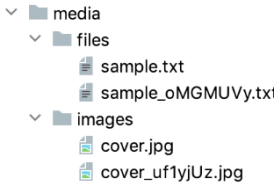
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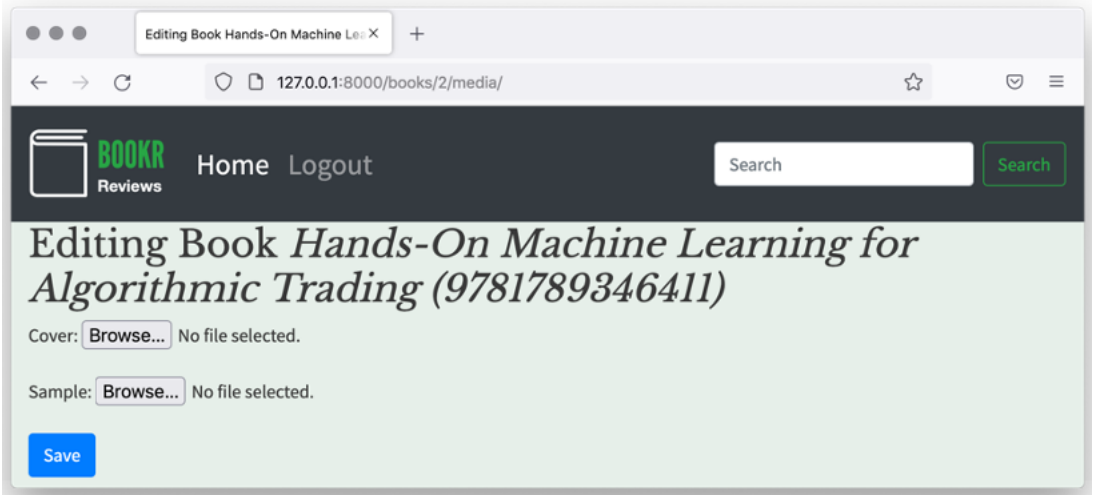
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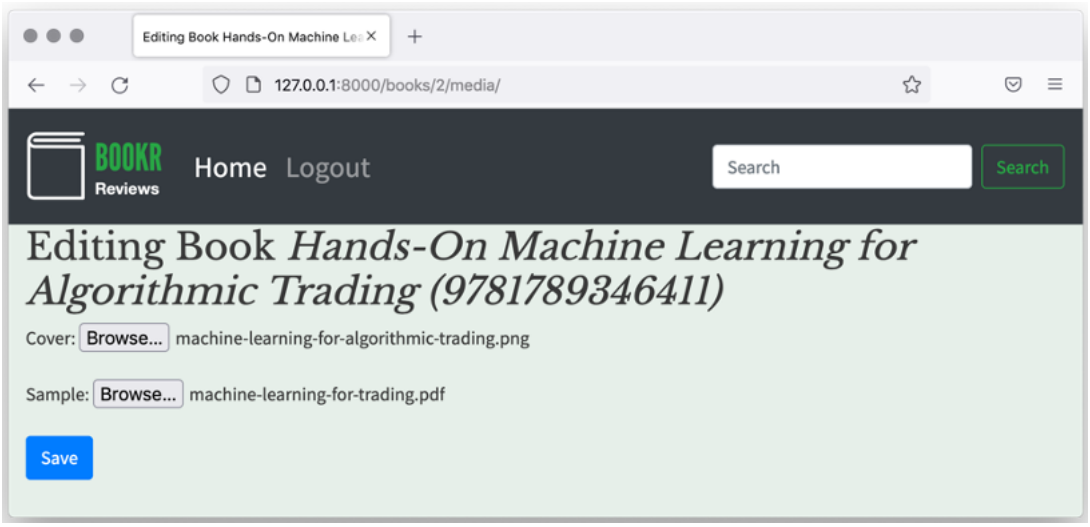
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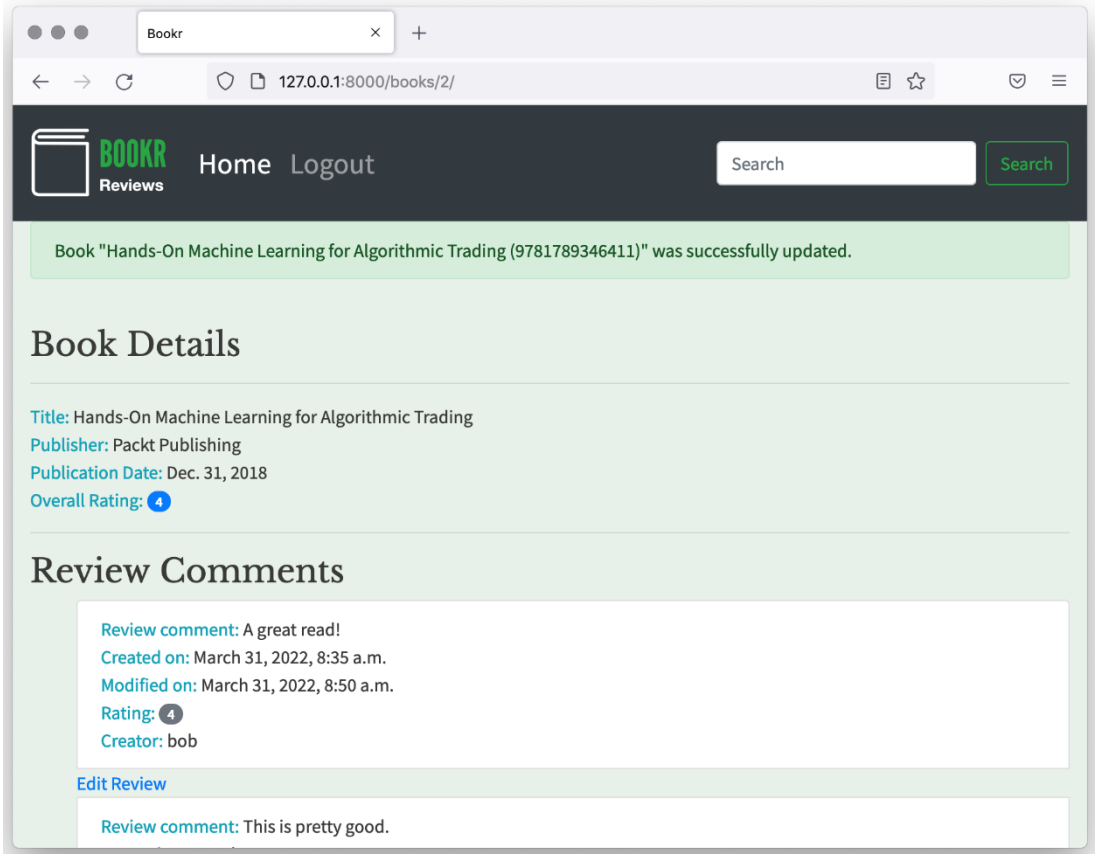
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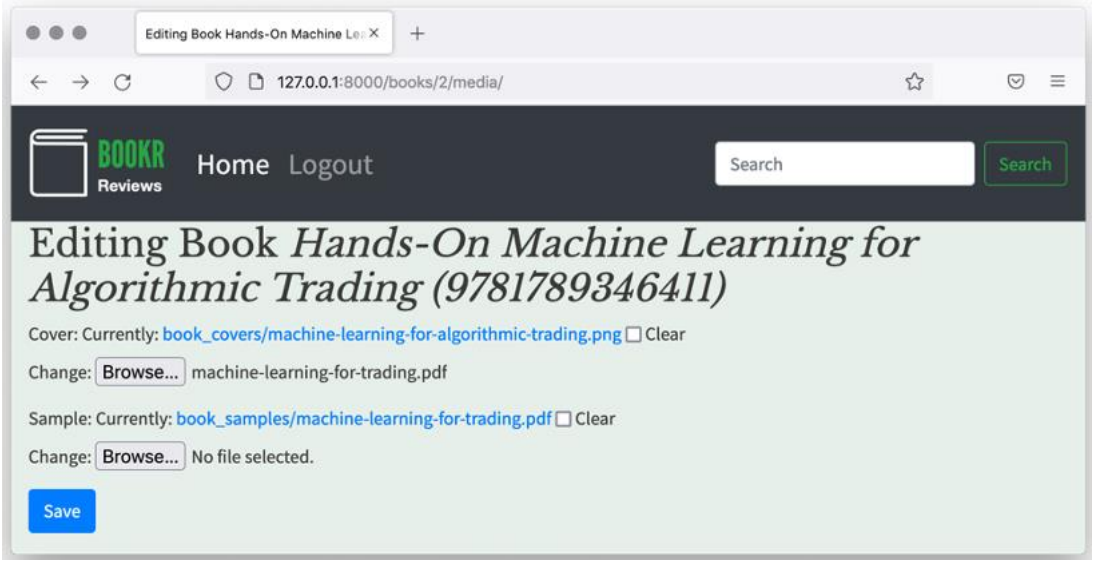
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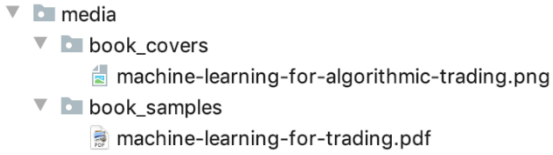
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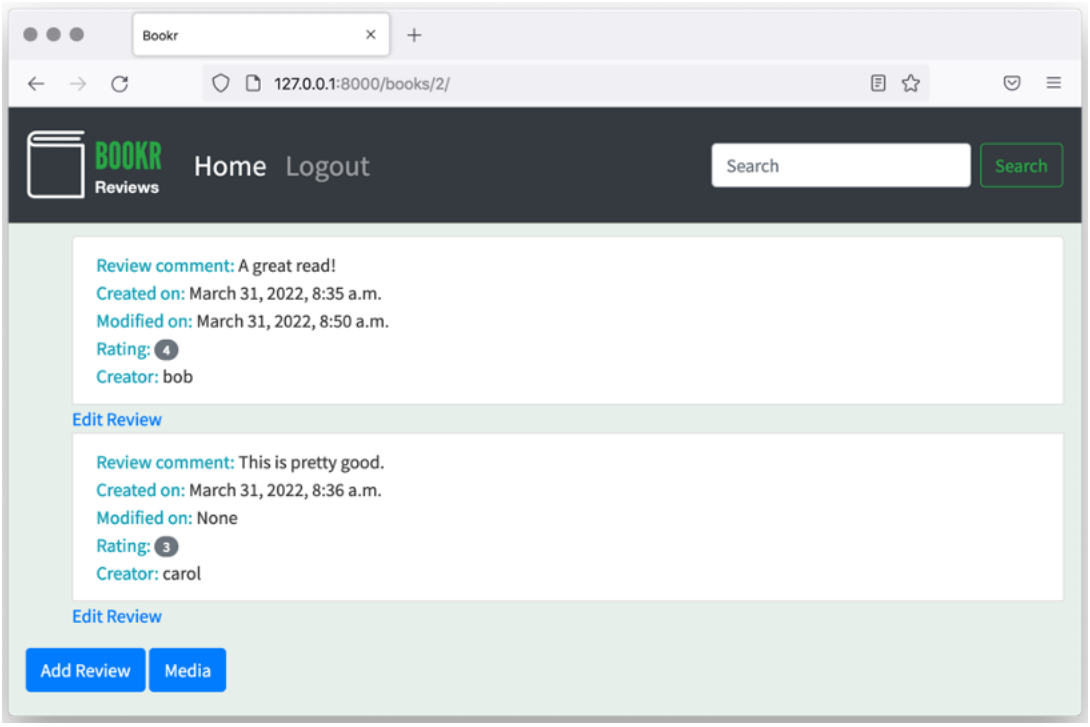
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Created on: March 31, 2022, 8:36 a.m.
Modified on: None
Rating: 3
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Add Review
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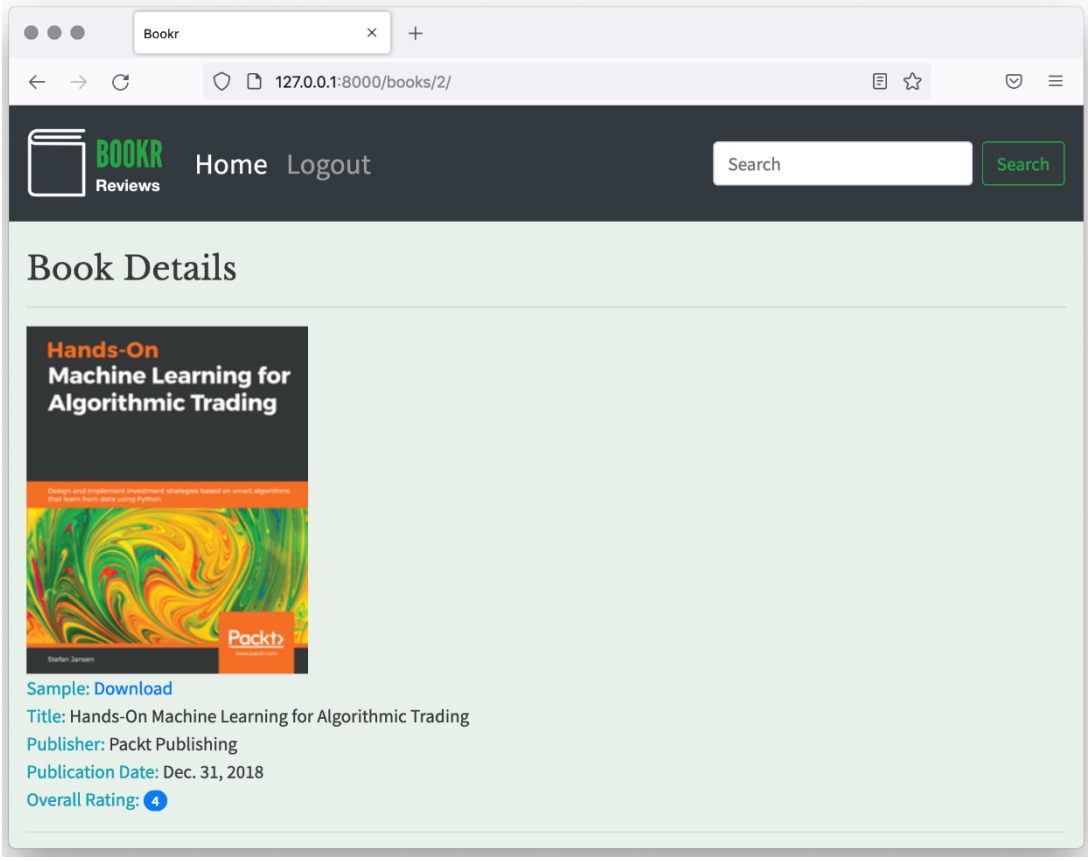
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BOOKR
Reviews
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Book Details
Hands-On
Machine Learning for
Algorithmic Trading
Packt
Sample: Download
Title: Hands-On Machine Learning for Algorithmic Trading
Publisher: Packt Publishing
Publication Date: Dec. 31, 2018
Overall Rating: 4

Chapter 09: Sessions and Authentication

Template Path
templates/registration/login.html
templates/registration/password_reset_email.html
templates/registration/password_change_form.html
templates/registration/password_change_done.html
templates/registration/password_reset_form.html
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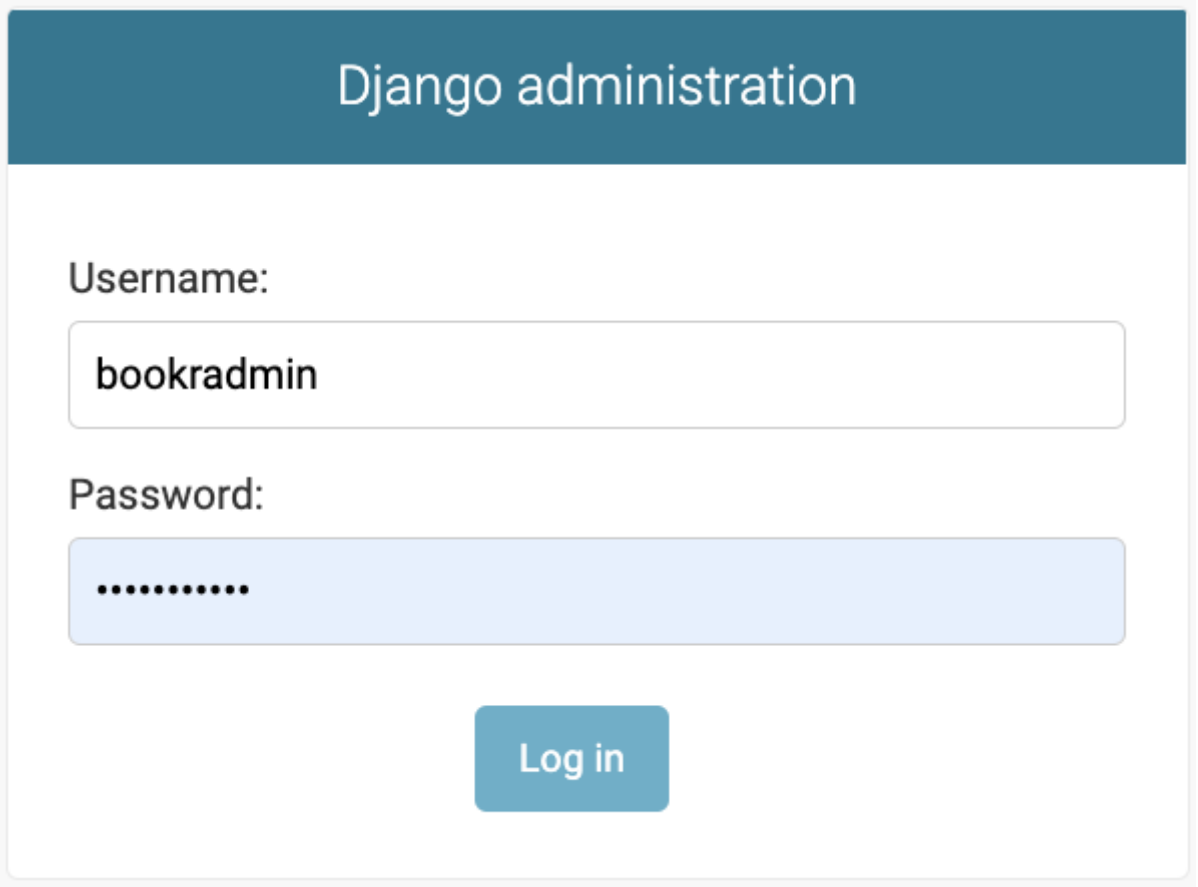
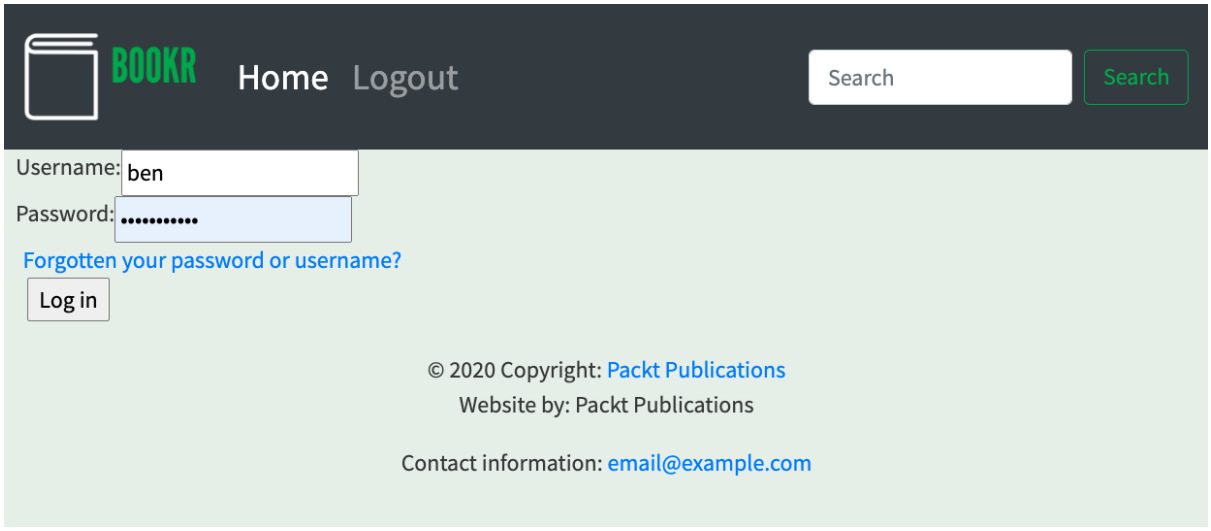
templates/registration/logged_out.html



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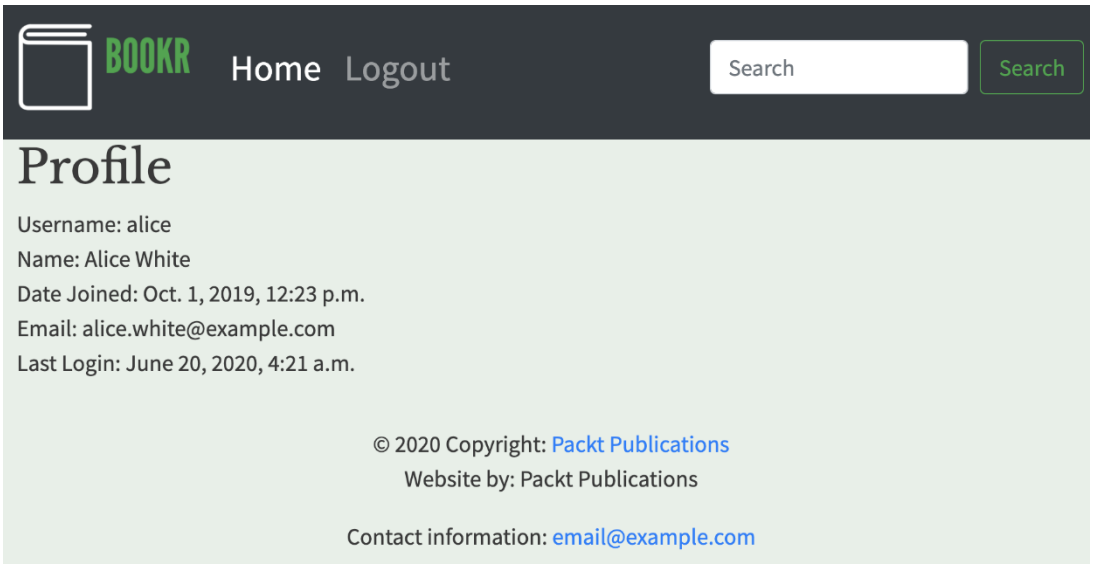

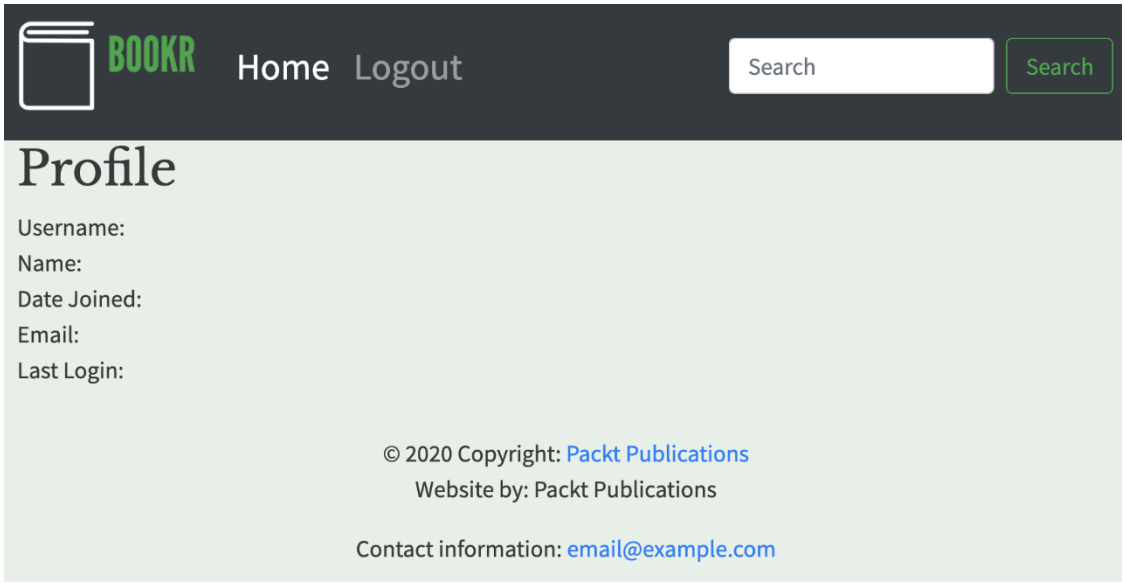
BOOKR
Home Logout
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Search
Profile
Username:
Name:
Date Joined:
Email:
Last Login:
© 2020 Copyright: Packt Publications
Website by: Packt Publications
Contact information: email@example.com

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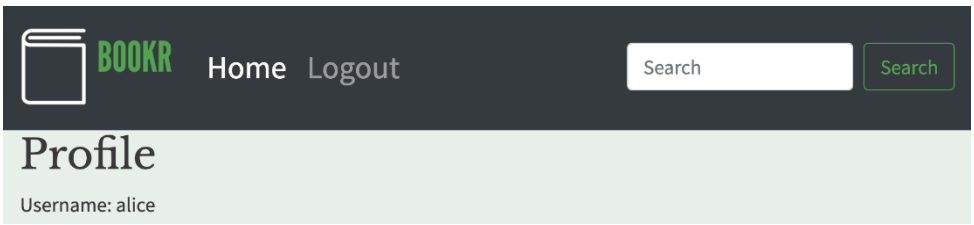
403 Forbidden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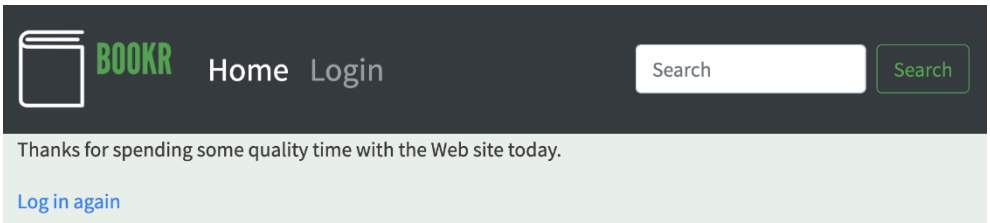
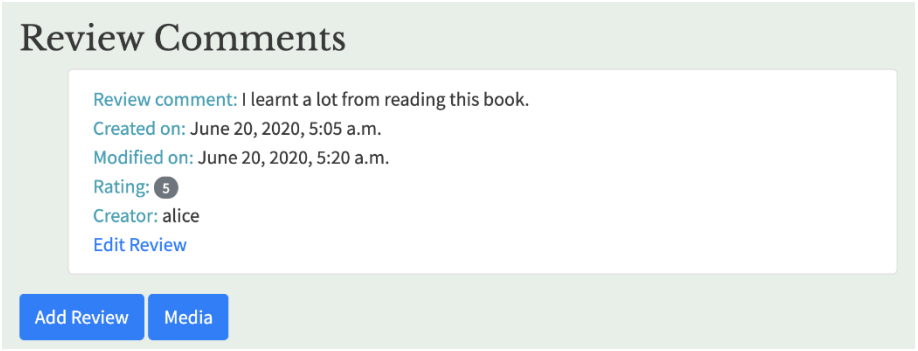
Username: alice


BOOKR
Home Login
Search
Search
Thanks for spending some quality time with the Web site today.
Log in again


Review Comments
Review comment: I learnt a lot from reading this book.
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Modified on: June 20, 2020, 5:20 a.m.
Rating: 5
Creator: alice
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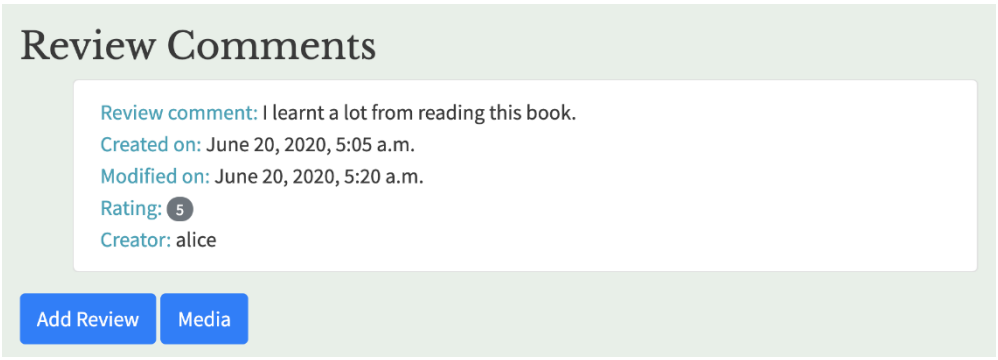
Add Review
Media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Rating: 5
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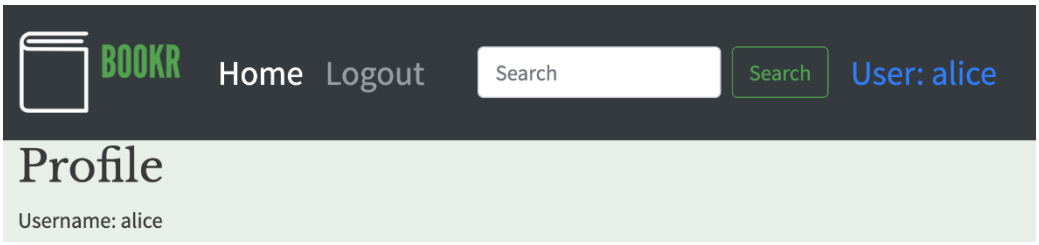
Add Review
Media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Home
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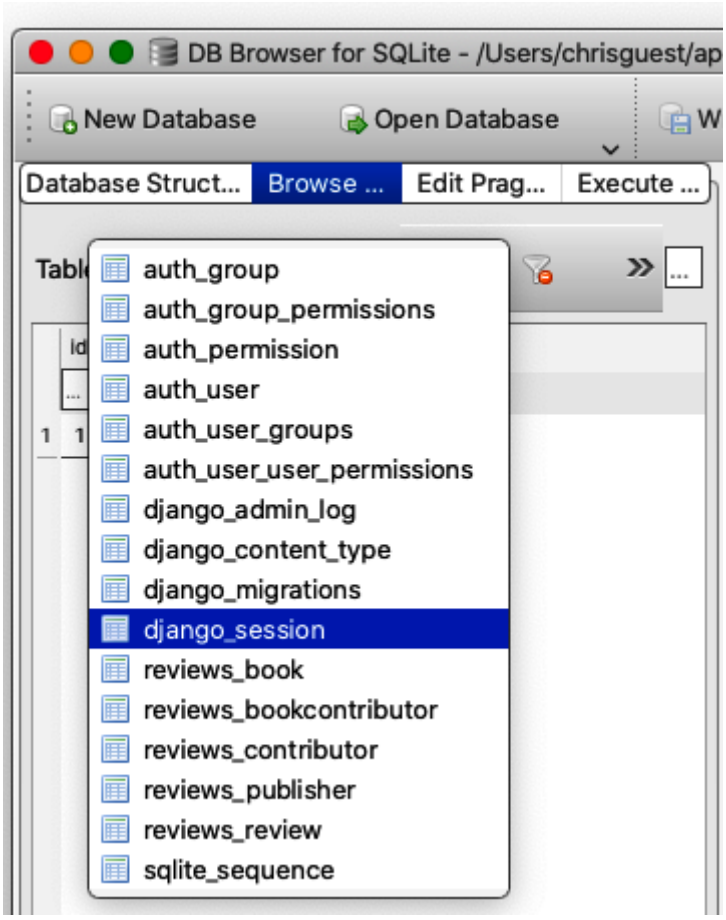
Search
Search
User: alice
Profile
Username: alice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Browse ...
Edit Prag...
Execute ...
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auth_group_permissions
auth_permission
auth_user
auth_user_groups
auth_user_user_permissions
django_admin_log
django_content_type
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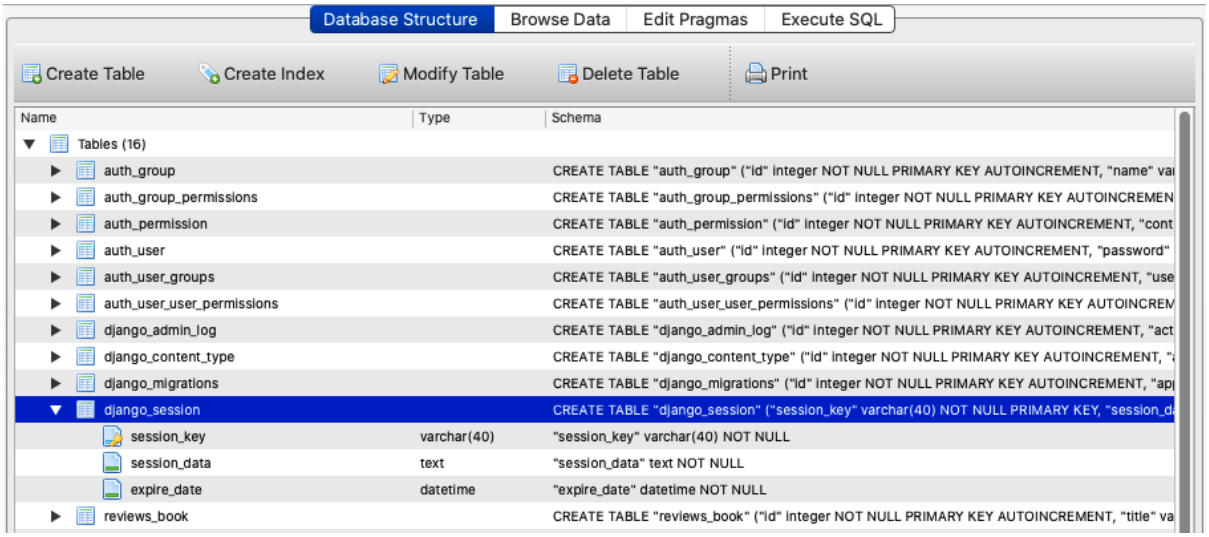
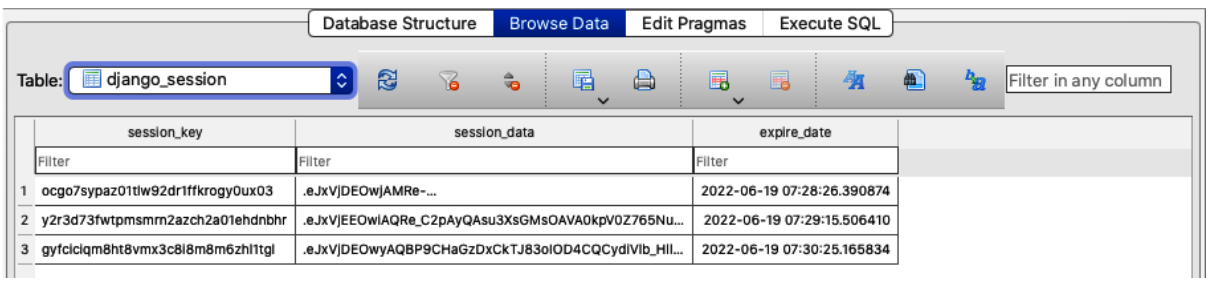
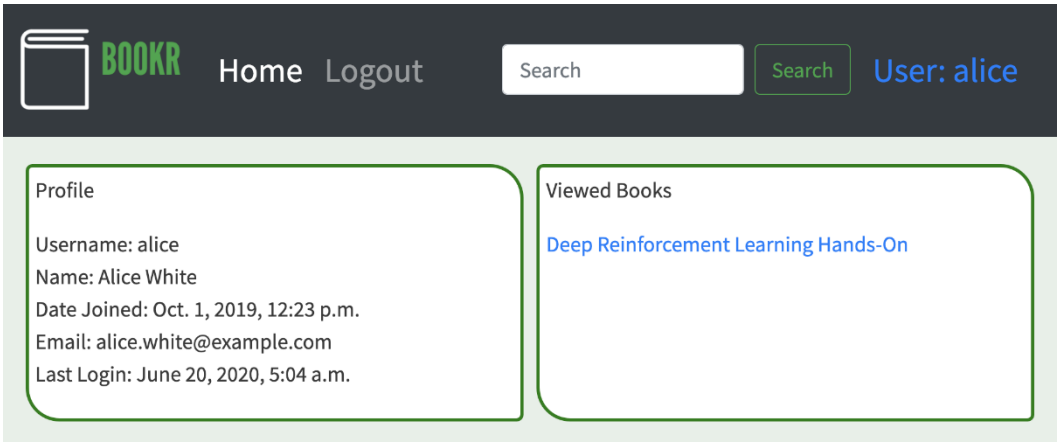
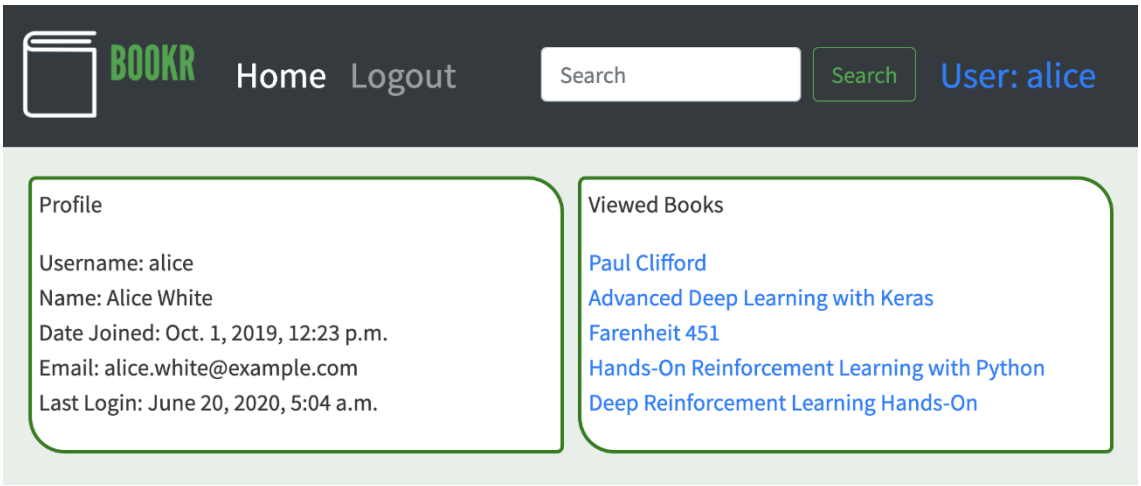

Database Structure
Browse Data
Edit Pragmas
Execute SQL
Create Table
Create Index
Modify Table
Delete Table
Print
Name
Type
Schema
Tables (16)
auth_group
CREATE TABLE "auth_group" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "name" va
auth_group_permissions
CREATE TABLE "auth_group_permissions" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMEN
auth_permission
CREATE TABLE "auth_permission" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "cont
auth_user
CREATE TABLE "auth_user" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "password"
auth_user_groups
CREATE TABLE "auth_user_groups" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "use
auth_user_user_permissions
CREATE TABLE "auth_user_user_permissions" ("id" integer NOT NULL PRIMARY KEY AUTOINCREM
django_admin_log
CREATE TABLE "django_admin_log" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "act
django_content_type
CREATE TABLE "django_content_type" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "
django_migrations
CREATE TABLE "django_migrations" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "app
django_session
CREATE TABLE "django_session" ("session_key" varchar(40) NOT NULL PRIMARY KEY, "session_d
session_key
varchar(40)
"session_key" varchar(40) NOT NULL
session_data
text
"session_data" text NOT NULL
expire_date
datetime
"expire_date" datetime NOT NULL
reviews_book
CREATE TABLE "reviews_book" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "title" va

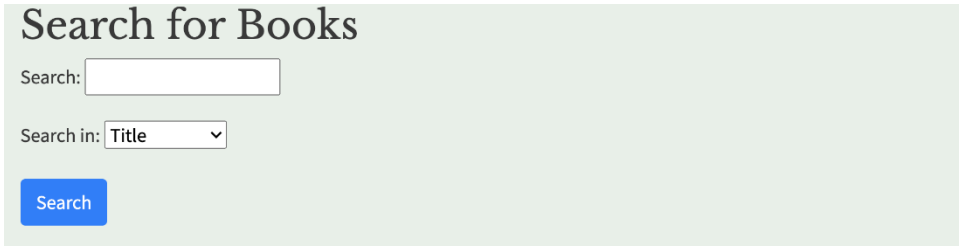

Database Structure
Browse Data
Edit Pragmas
Execute SQL
Table:
django_session
Filter in any column
session_key
session_data
expire_date
Filter
1
ocgo7sypaz01tlw92dr1ffkrogy0ux03
.eJxVjDEOwjAMRe-...
2022-06-19 07:28:26.390874
2
y2r3d73fwtpmsmrn2azch2a01ehdnbhr
.eJxVjEEOwiAQRe_C2pAyQAsu3XsGMsOAVA0kpV0Z765Nu...
2022-06-19 07:29:15.506410
3
gyfciciqm8ht8vmx3c8i8m8m6zhl1tgl
.eJxVjDEOwyAQBP9CHaGzDxCkTJ83olOD4CQCydIVlb_HIl...
2022-06-19 07:30:25.165834

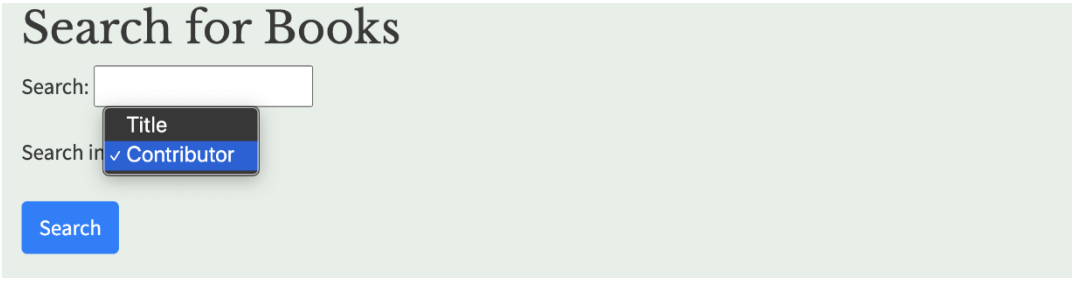
```
> python manage.py sessioninfo
Session Key: ocgo7sypaz01tlw92dr1ffkrogy0ux03 User: 2 carol carol.brown@example.com
{'_auth_user_backend': 'django.contrib.auth.backends.ModelBackend',
 '_auth_user_hash': 'eb5de6bf54460bafc9e0f555c65d16b17b3fdf754617d1d73529d9605fea2f0c',
 '_auth_user_id': '2'}
Session Key: y2r3d73fwtpmsmrn2azch2a01ehdnbhr User: 1 bob bob.black@example.com
{'_auth_user_backend': 'django.contrib.auth.backends.ModelBackend',
 '_auth_user_hash': '322625efba7788f598d02fca5ad86bb14db4893f3c92bc4099822ea3bf4d1e4f',
 '_auth_user_id': '1'}
Session Key: gyfciciqm8ht8vmx3c8i8m8m6zhl1tgl User: 3 bookradmin bookradmin@example.com
{'_auth_user_backend': 'django.contrib.auth.backends.ModelBackend',
 '_auth_user_hash': 'a30d9315c9b5dda38802da5e8e64f94b0b063f0136fad8456205ed8cced8ff30',
 '_auth_user_id': '3'}
```

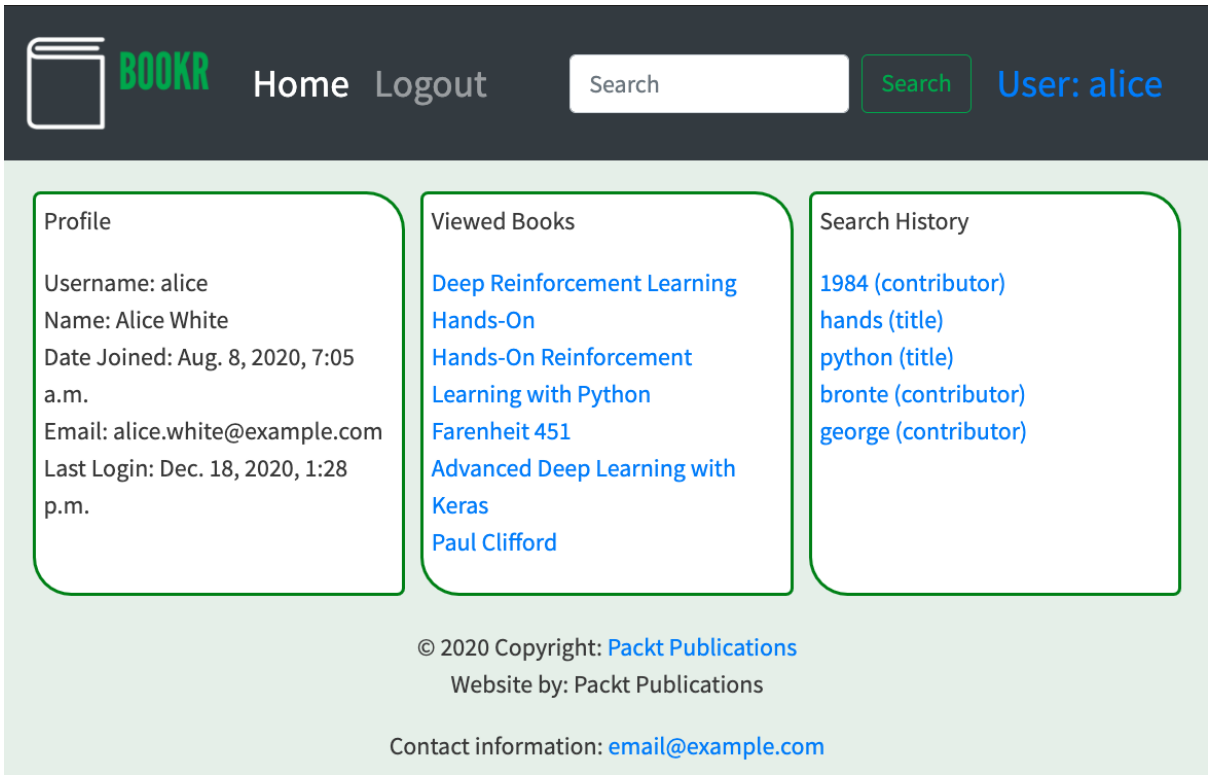




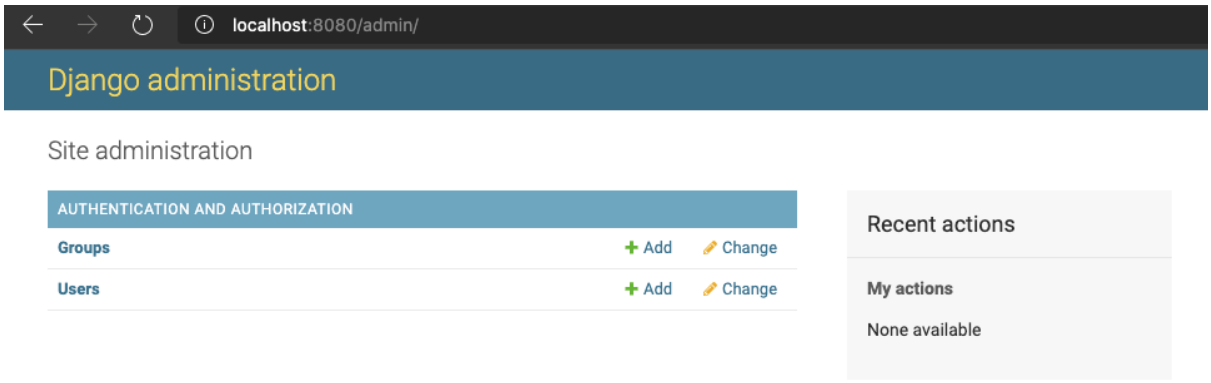

```
> python manage.py sessioninfo
Session Key: mjbbpj6e6y0qayh1mj6sgw27kfugk1qc User: 4 alice alice.white@example.com
{'_auth_user_backend': 'django.contrib.auth.backends.ModelBackend',
 '_auth_user_hash': '384340e0724b154062dcad2c94a9fc94380cd323b9e1e433aff3aef799b99a3e',
 '_auth_user_id': '4',
 'viewed_books': [[17, 'Paul Clifford'],
                  [1, 'Advanced Deep Learning with Keras'],
                  [13, 'Farenheit 451'],
                  [6, 'Hands-On Reinforcement Learning with Python'],
                  [4, 'Deep Reinforcement Learning Hands-On']]}
```


Search for Books
Search:
Search in: Title
Search

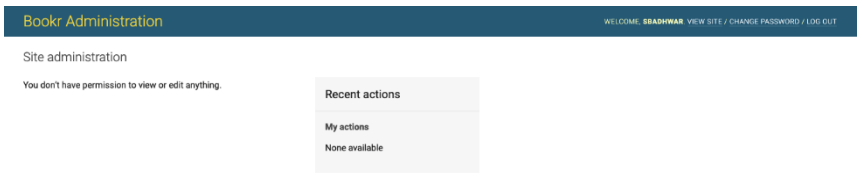

Search for Books
Search:
Search in
Title
Contributor
Search

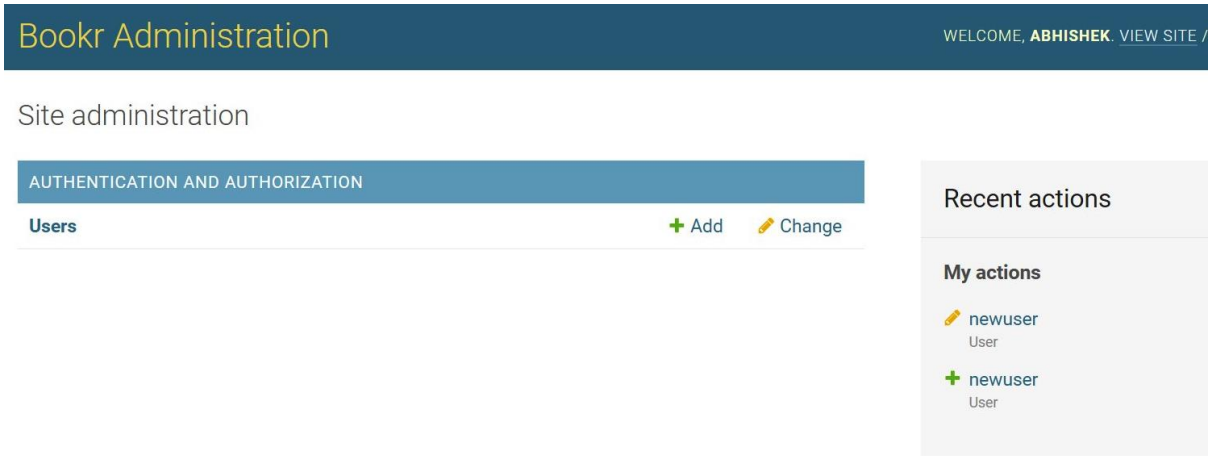

BOOKR
Home
Logout
Search
Search
User: alice
Profile
Username: alice
Name: Alice White
Date Joined: Aug. 8, 2020, 7:05 a.m.
Email: alice.white@example.com
Last Login: Dec. 18, 2020, 1:28 p.m.
Viewed Books
Deep Reinforcement Learning Hands-On
Hands-On Reinforcement Learning with Python
Farenheit 451
Advanced Deep Learning with Keras
Paul Clifford
Search History
1984 (contributor)
hands (title)
python (title)
bronte (contributor)
george (contributor)
© 2020 Copyright: Packt Publications
Website by: Packt Publications
Contact information: email@example.com

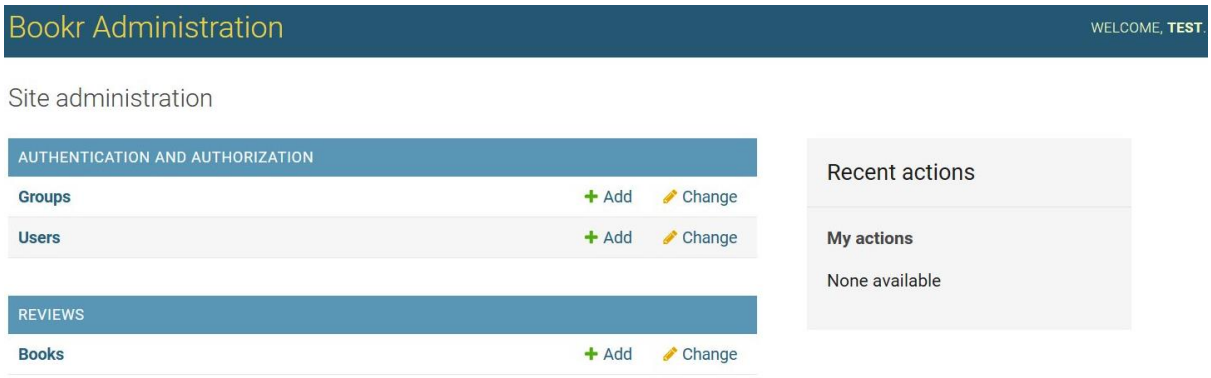
Chapter 10: Advanced Django Admin and Customizations

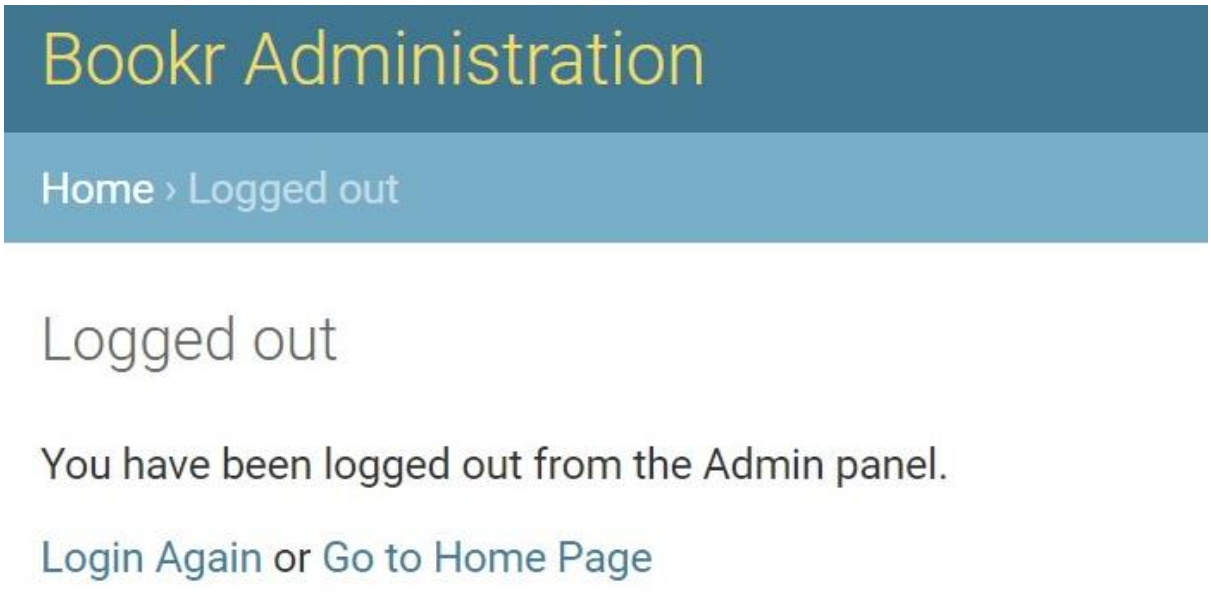


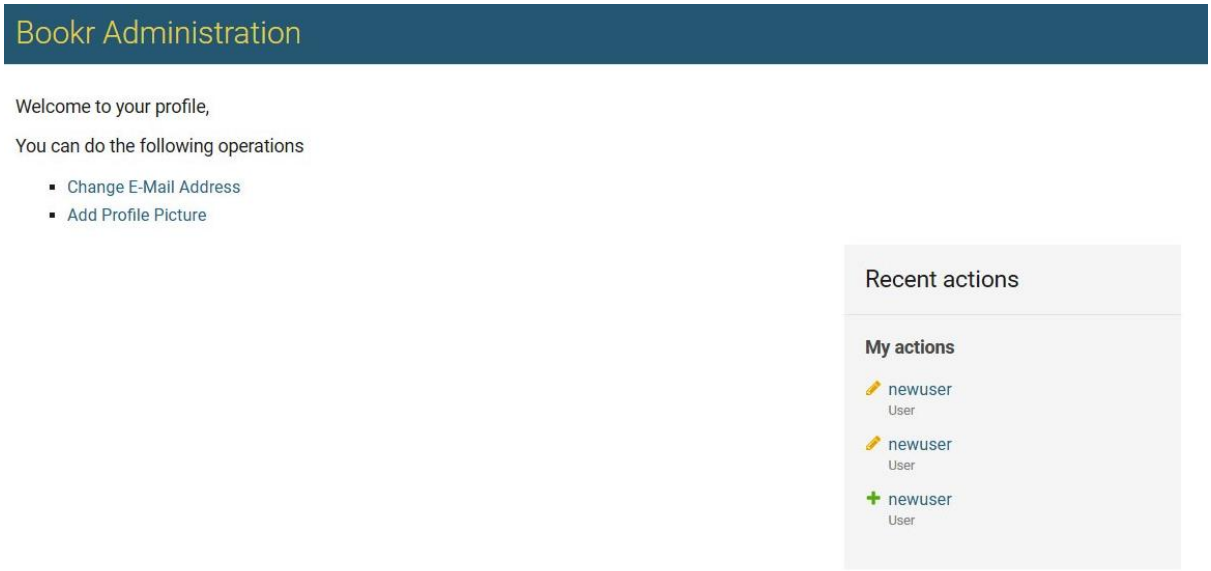

```
.
├── bookr
│   ├── __init__.py
│   ├── asgi.py
│   ├── settings.py
│   ├── urls.py
│   ├── views.py
│   └── wsgi.py
├── bookr_admin
│   ├── __init__.py
│   ├── admin.py
│   ├── apps.py
│   ├── models.py
│   ├── tests.py
│   └── views.py
├── db.sqlite3
├── manage.py
├── media
├── reviews
│   ├── __init__.py
│   ├── admin.py
│   ├── apps.py
│   ├── forms.py
│   ├── management
│   │   └── commands
│   │       └── loadcsv.py
│   ├── models.py
│   ├── static
│   │   └── reviews
│   ├── templates
│   │   └── reviews
│   │       ├── base.html
│   │       ├── book_detail.html
│   │       ├── book_list.html
│   │       ├── index.html
│   │       ├── instance-form.html
│   │       └── search-results.html
│   ├── tests.py
│   ├── urls.py
│   ├── utils.py
│   └── views.py
├── static
└── templates
    ├── base.html
    ├── profile.html
    └── registration
        ├── logged_out.html
```

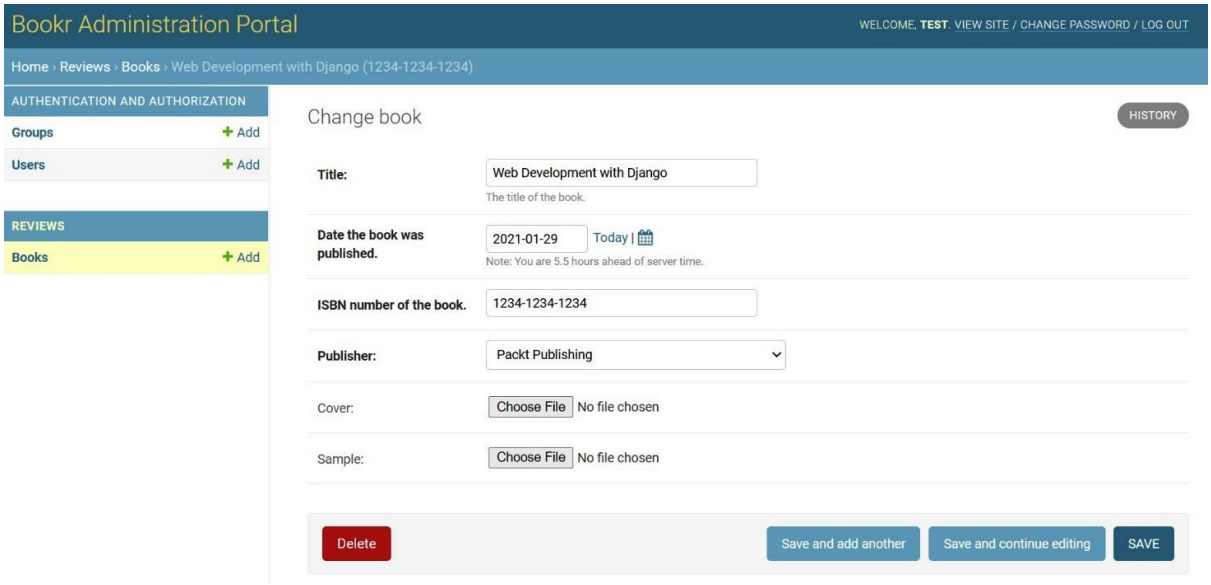



Bookr Administration
WELCOME, ABHISHEK. VIEW SITE /
Site administration
AUTHENTICATION AND AUTHORIZATION
Users
Add
Change
Recent actions
My actions
newuser
User
newuser
User

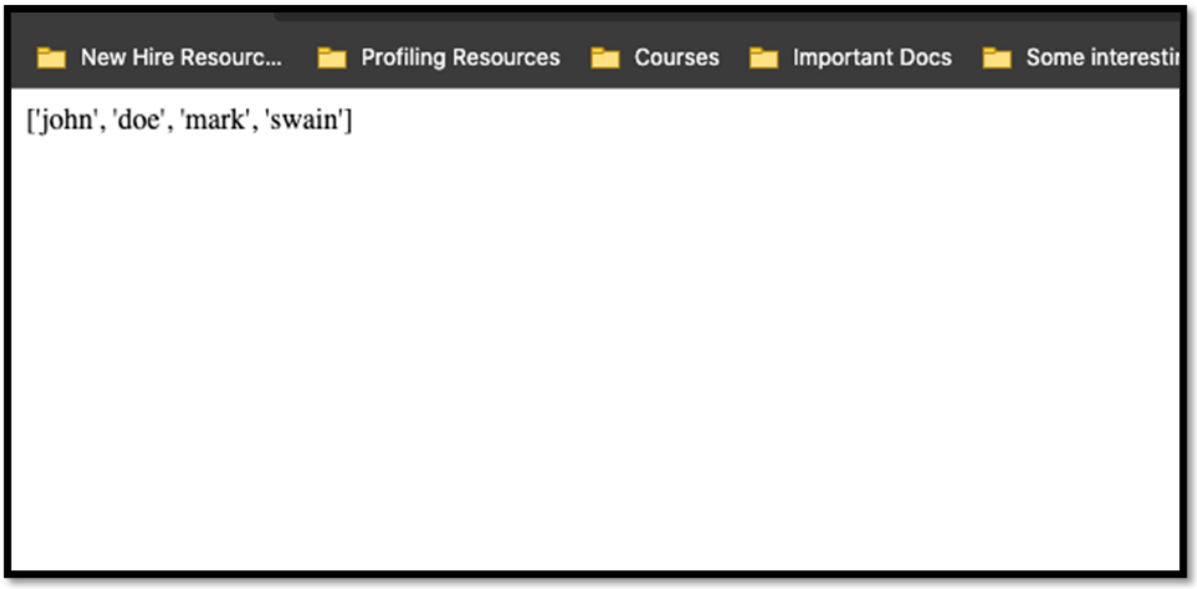

Bookr Administration
WELCOME, TEST.
Site administration
AUTHENTICATION AND AUTHORIZATION
Groups
Add
Change
Users
Add
Change
REVIEWS
Books
Add
Change
Recent actions
My actions
None available

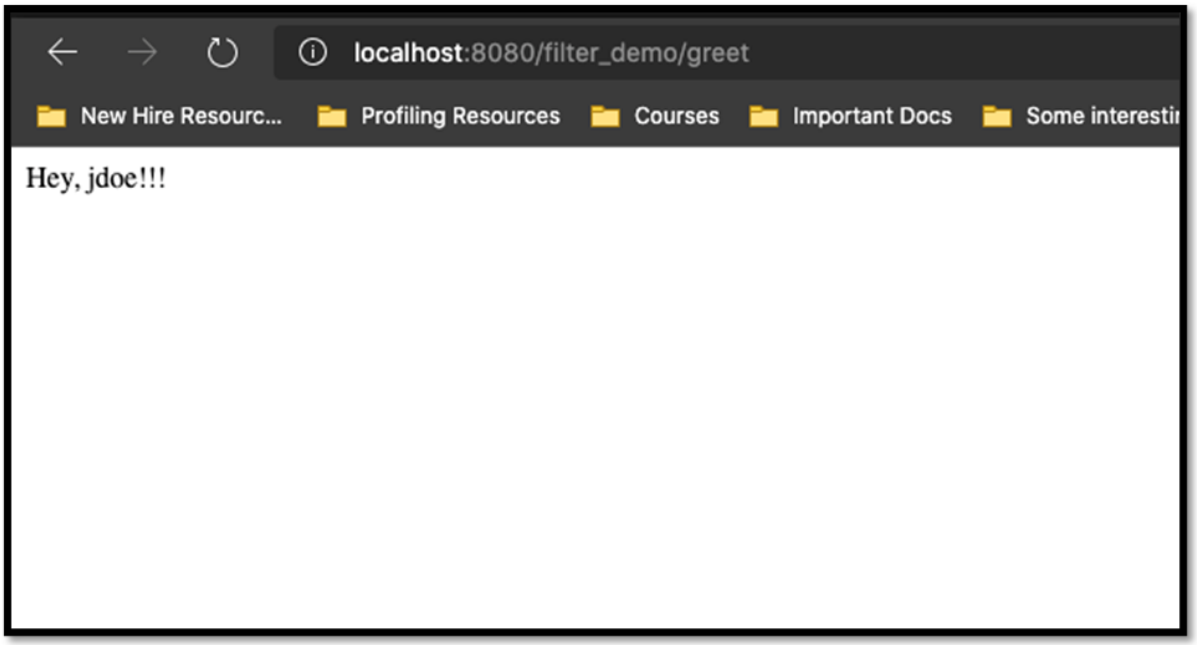

Bookr Administration
Home › Logged out
Logged out
You have been logged out from the Admin panel.
Login Again or Go to Home Page

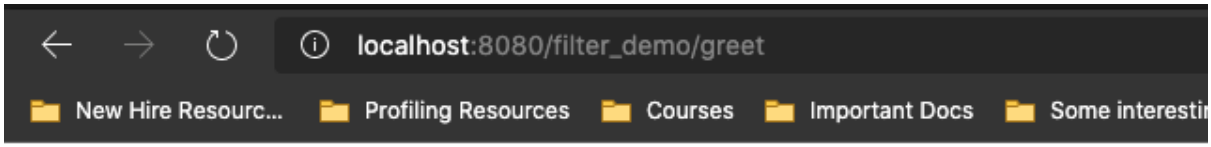

Bookr Administration
Welcome to your profile,
You can do the following operations
Change E-Mail Address
Add Profile Picture
Recent actions
My actions
newuser
User
newuser
User
newuser
User


Bookr Administration Portal
WELCOME, TEST. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Reviews › Books › Web Development with Django (1234-1234-1234)
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
REVIEWS
Books + Add
Change book
HISTORY
Title:
Web Development with Django
The title of the book.
Date the book was published.
2021-01-29
Today |
Note: You are 5.5 hours ahead of server time.
ISBN number of the book.
1234-1234-1234
Publisher:
Packt Publishing
Cover:
Choose File No file chosen
Sample:
Choose File No file chosen
Delete
Save and add another
Save and continue editing
SAVE

Chapter 11: Advanced Templating and Class-Based Views

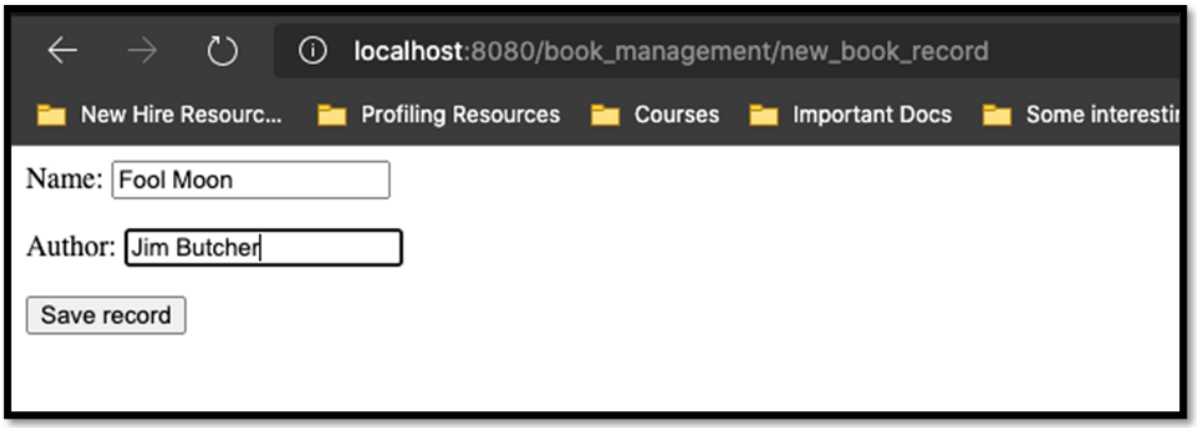


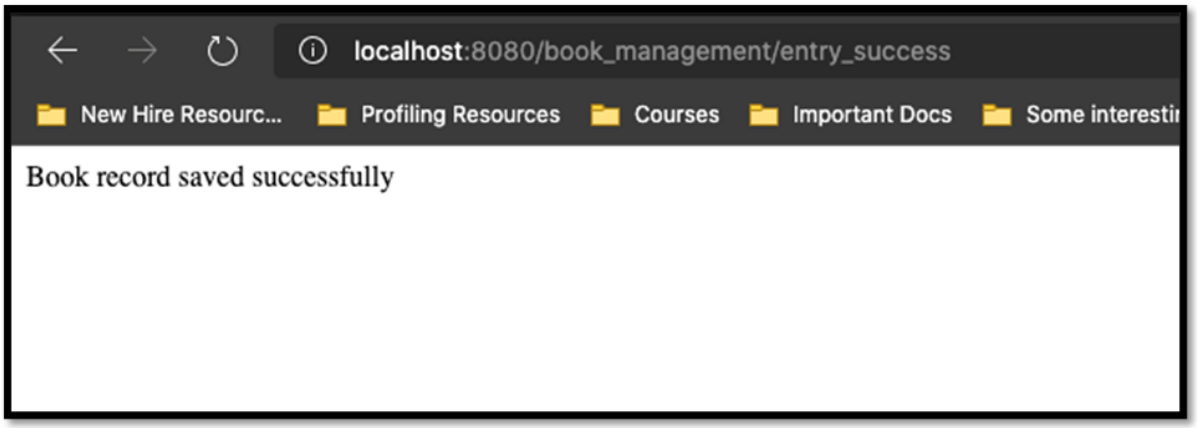


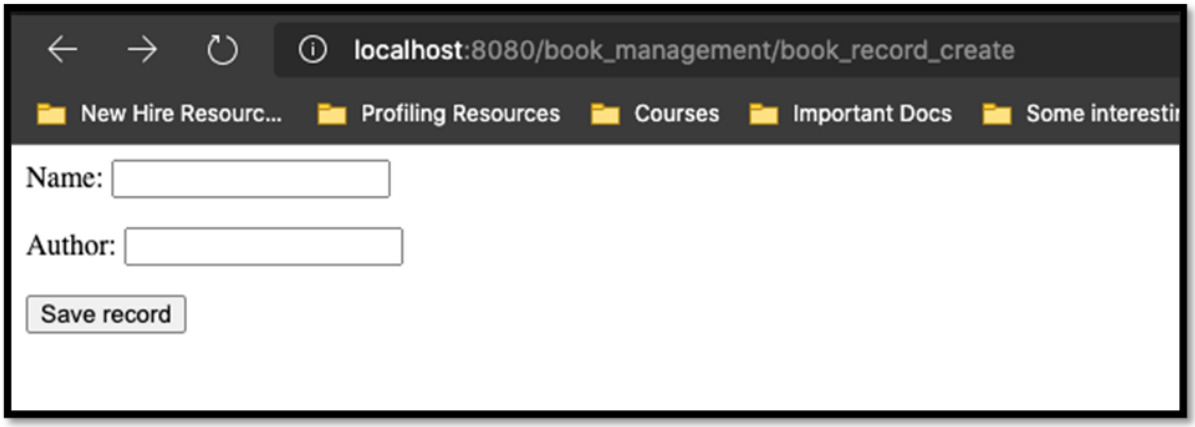


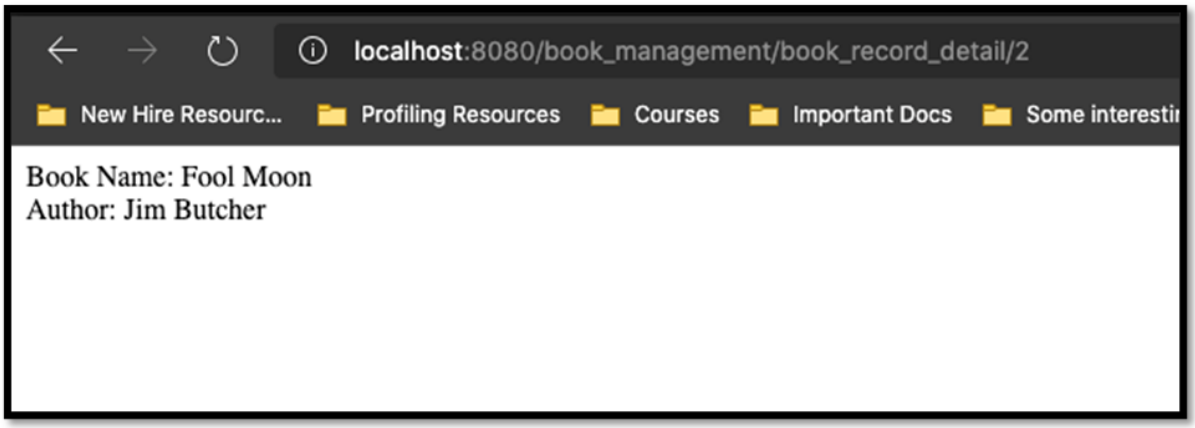
Hey, jdoe!!!
You have read the following books till date

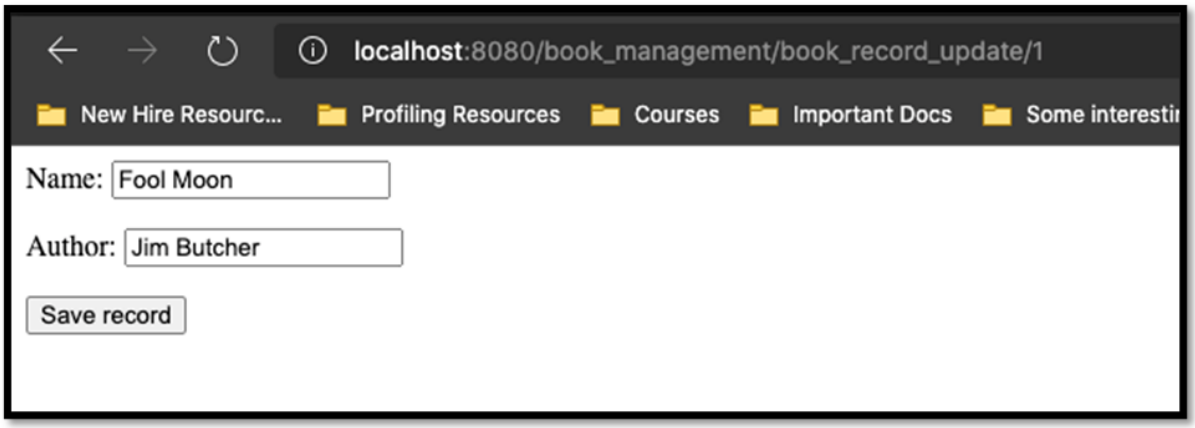
- The night rider
- The Justice

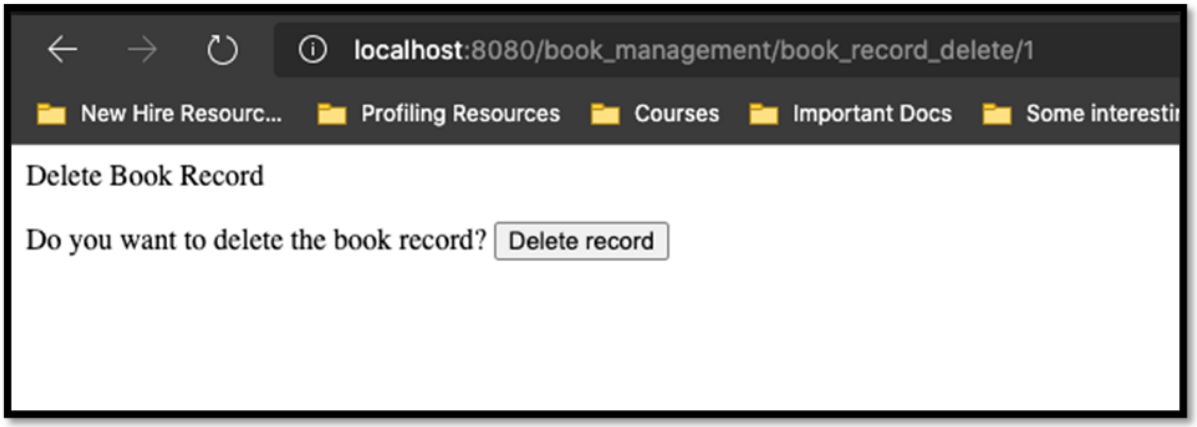


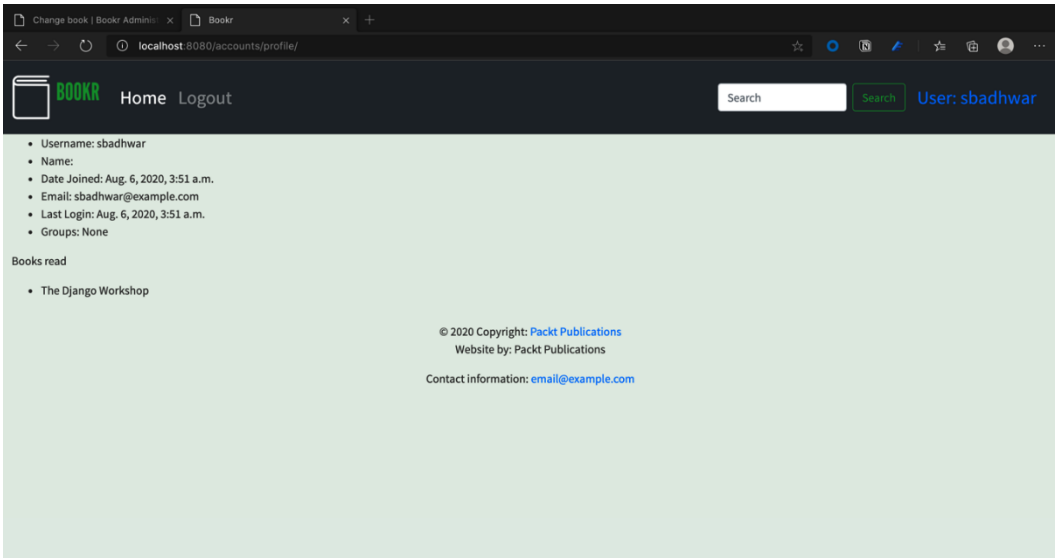



localhost:8080/book_management/book_record_create
New Hire Resourc...
Profiling Resources
Courses
Important Docs
Some interesti
Name:
Author:
Save record

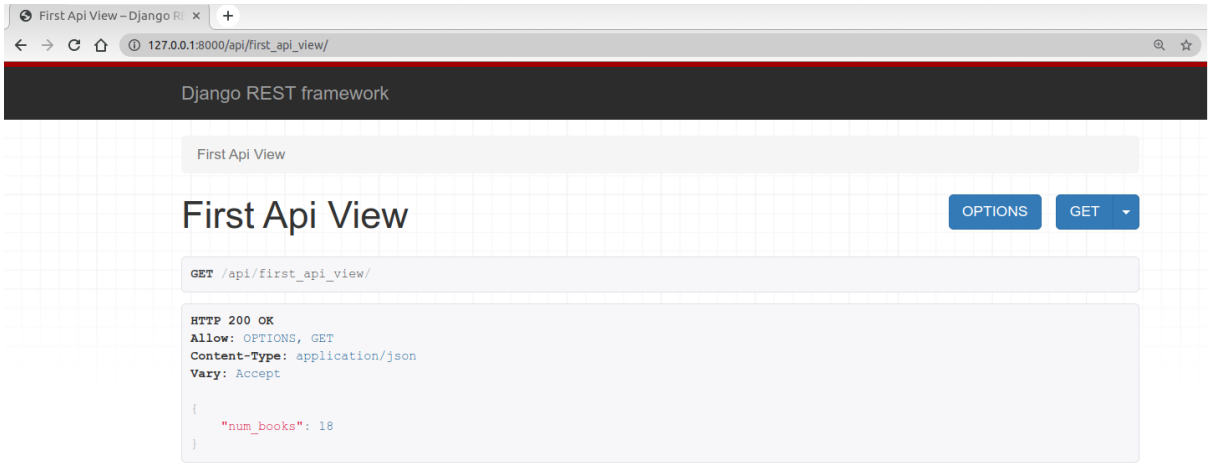

localhost:8080/book_management/book_record_detail/2
New Hire Resourc...
Profiling Resources
Courses
Important Docs
Some interesti
Book Name: Fool Moon
Author: Jim Butcher

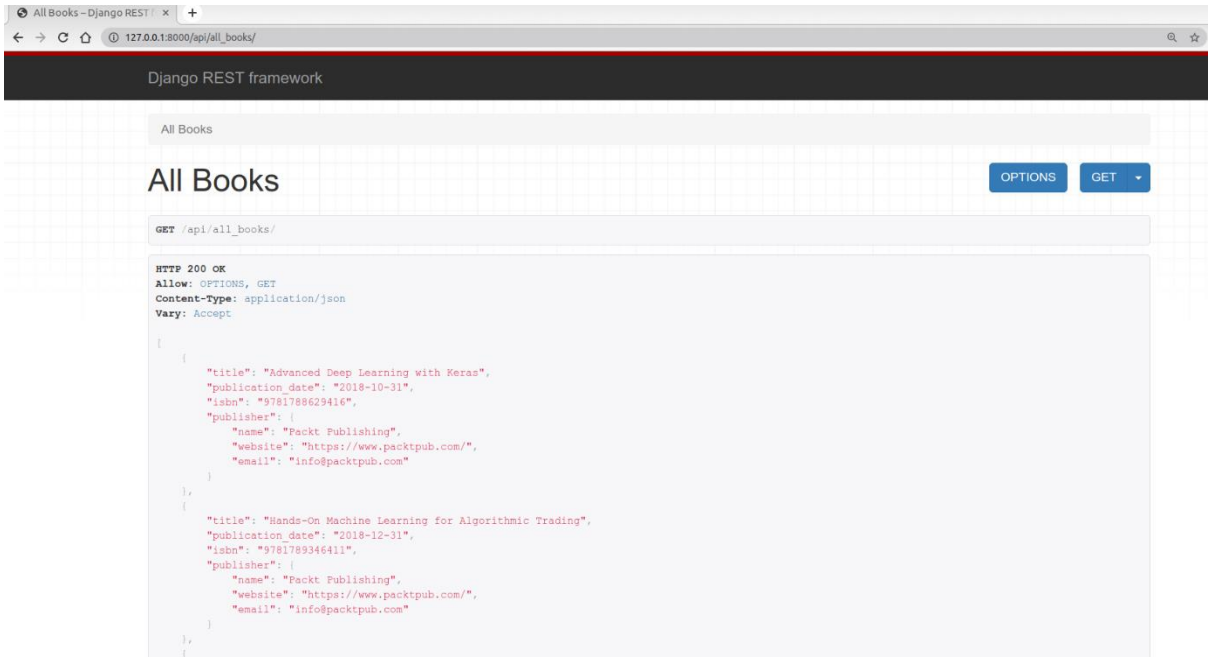

localhost:8080/book_management/book_record_update/1
New Hire Resourc...
Profiling Resources
Courses
Important Docs
Some interesti
Name: Fool Moon
Author: Jim Butcher
Save record

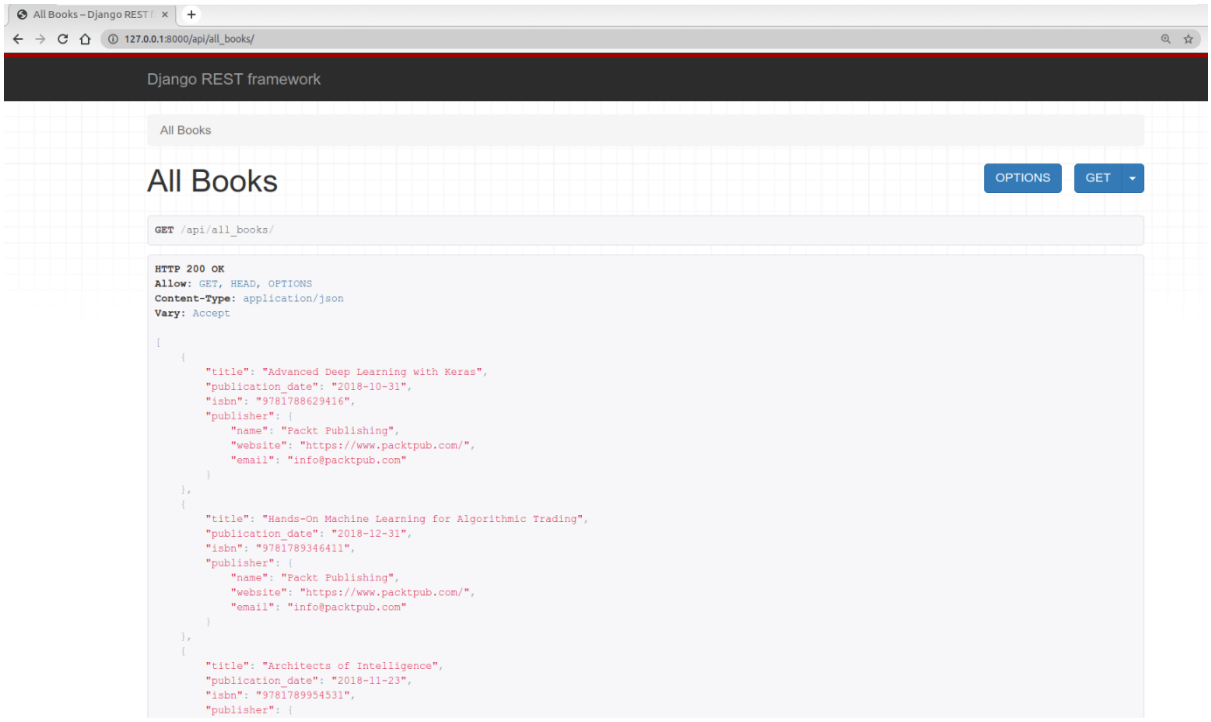

localhost:8080/book_management/book_record_delete/1
New Hire Resourc...
Profiling Resources
Courses
Important Docs
Some interesti
Delete Book Record
Do you want to delete the book record?
Delete record


Change book | Bookr Admini
Bookr
localhost:8080/accounts/profile/
BOOKR
Home
Logout
Search
Search
User: sbadhwar
Username: sbadhwar
Name:
Date Joined: Aug. 6, 2020, 3:51 a.m.
Email: sbadhwar@example.com
Last Login: Aug. 6, 2020, 3:51 a.m.
Groups: None
Books read
The Django Workshop
© 2020 Copyright: Packt Publications
Website by: Packt Publications
Contact information: email@example.com

Chapter 12: Building a REST API






All Books – Django REST f
127.0.0.1:8000/api/all_books/
Django REST framework
All Books
All Books
OPTIONS
GET
GET /api/all_books/
HTTP 200 OK
Allow: GET, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept
[
{
"title": "Advanced Deep Learning with Keras",
"publication_date": "2018-10-31",
"isbn": "9781788629416",
"publisher": {
"name": "Packt Publishing",
"website": "https://www.packtpub.com/",
"email": "info@packtpub.com"
}
},
{
"title": "Hands-On Machine Learning for Algorithmic Trading",
"publication_date": "2018-12-31",
"isbn": "9781789346411",
"publisher": {
"name": "Packt Publishing",
"website": "https://www.packtpub.com/",
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}
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"publication_date": "2018-11-23",
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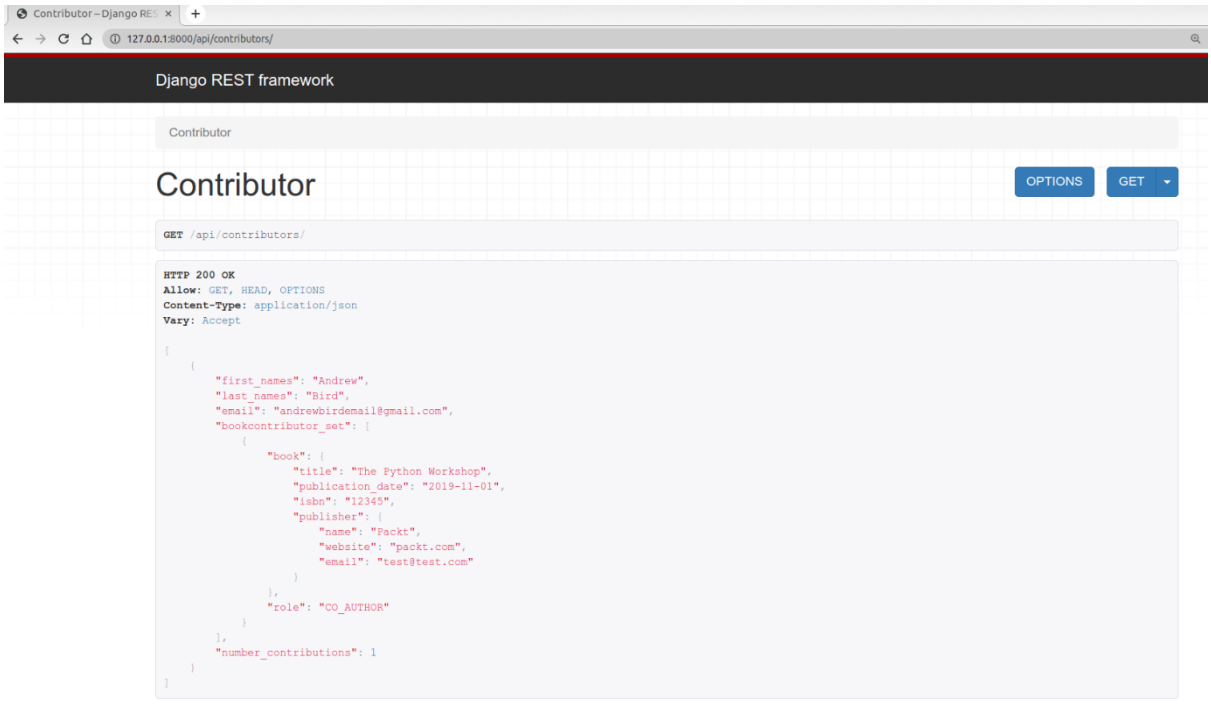
Contributor – Django RES
127.0.0.1:8000/api/contributors/
Django REST framework
Contributor
Contributor
OPTIONS
GET
GET /api/contributors/
HTTP 200 OK
Allow: GET, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept
[
{
"first_names": "Andrew",
"last_names": "Bird",
"email": "andrewbirdemail@gmail.com",
"bookcontributor_set": [
{
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"publication_date": "2019-11-01",
"isbn": "12345",
"publisher": {
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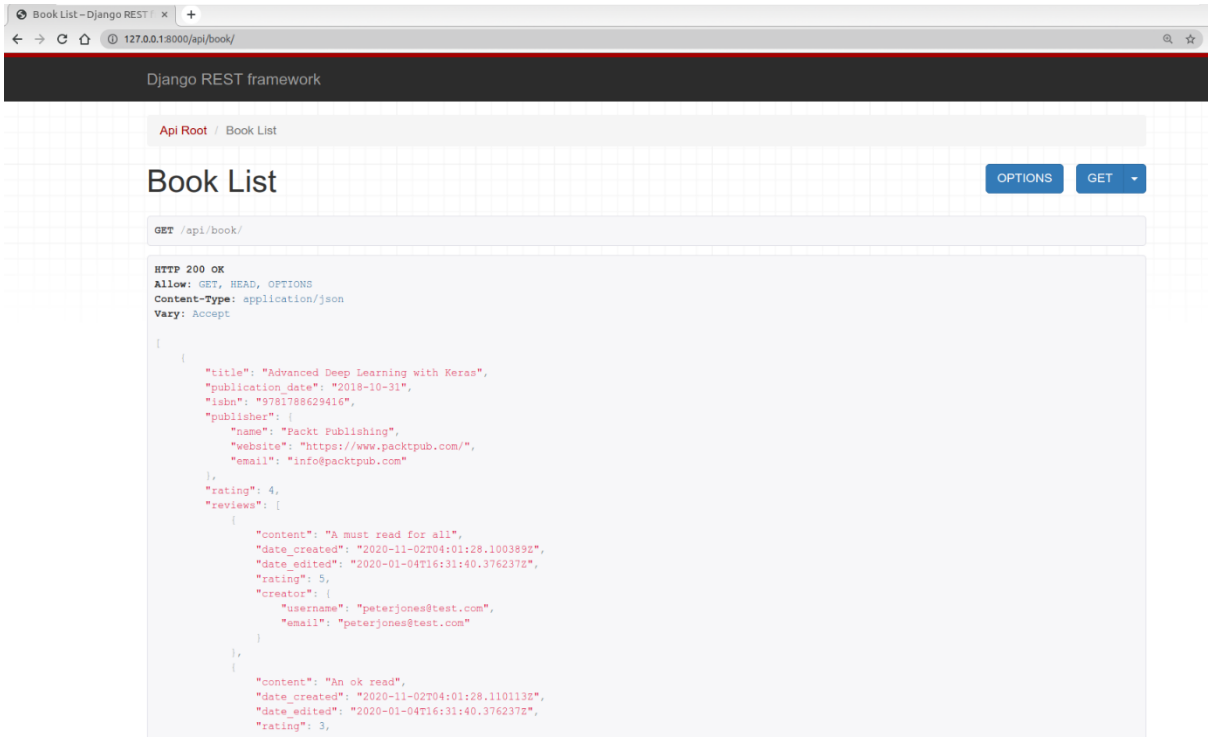
"website": "packt.com",
"email": "test@test.com"
}
},
"role": "CO_AUTHOR"
}
],
"number_contributions": 1
}
]


Book List – Django REST
127.0.0.1:8000/api/book/
Django REST framework
Api Root / Book List
Book List
OPTIONS
GET
GET /api/book/
HTTP 200 OK
Allow: GET, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept
[
{
"title": "Advanced Deep Learning with Keras",
"publication_date": "2018-10-31",
"isbn": "9781788629416",
"publisher": {
"name": "Packt Publishing",
"website": "https://www.packtpub.com/",
"email": "info@packtpub.com"
},
"rating": 4,
"reviews": [
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"date_created": "2020-11-02T04:01:28.100389Z",
"date_edited": "2020-01-04T16:31:40.376237Z",
"rating": 5,
"creator": {
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"email": "peterjones@test.com"
}
},
{
"content": "An ok read",
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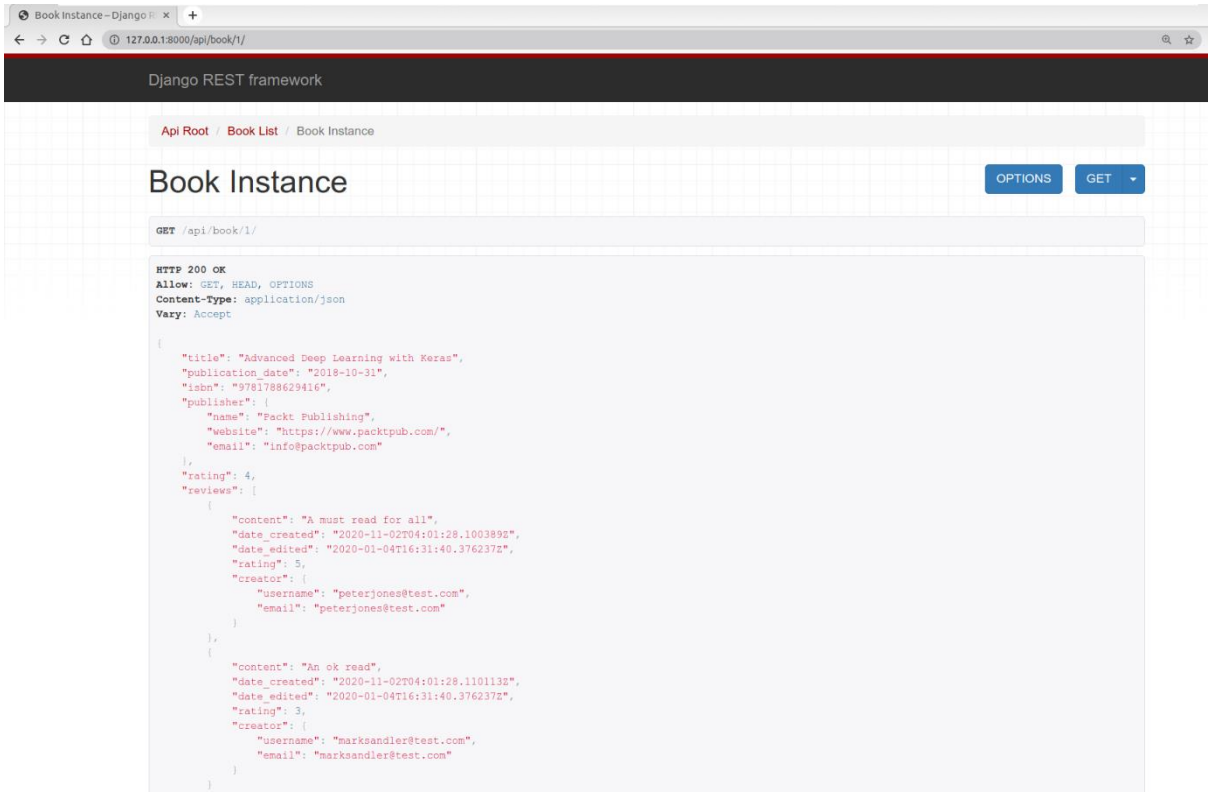
Book Instance – Django
127.0.0.1:8000/api/book/1/
Django REST framework
Api Root / Book List / Book Instance
Book Instance
OPTIONS
GET
GET /api/book/1/
HTTP 200 OK
Allow: GET, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept
{
"title": "Advanced Deep Learning with Keras",
"publication_date": "2018-10-31",
"isbn": "9781788629416",
"publisher": {
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"website": "https://www.packtpub.com/",
"email": "info@packtpub.com"
},
"rating": 4,
"reviews": [
{
"content": "A must read for all",
"date_created": "2020-11-02T04:01:28.100389Z",
"date_edited": "2020-01-04T16:31:40.376237Z",
"rating": 5,
"creator": {
"username": "peterjones@test.com",
"email": "peterjones@test.com"
}
},
{
"content": "An ok read",
"date_created": "2020-11-02T04:01:28.110113Z",
"date_edited": "2020-01-04T16:31:40.376237Z",
"rating": 3,
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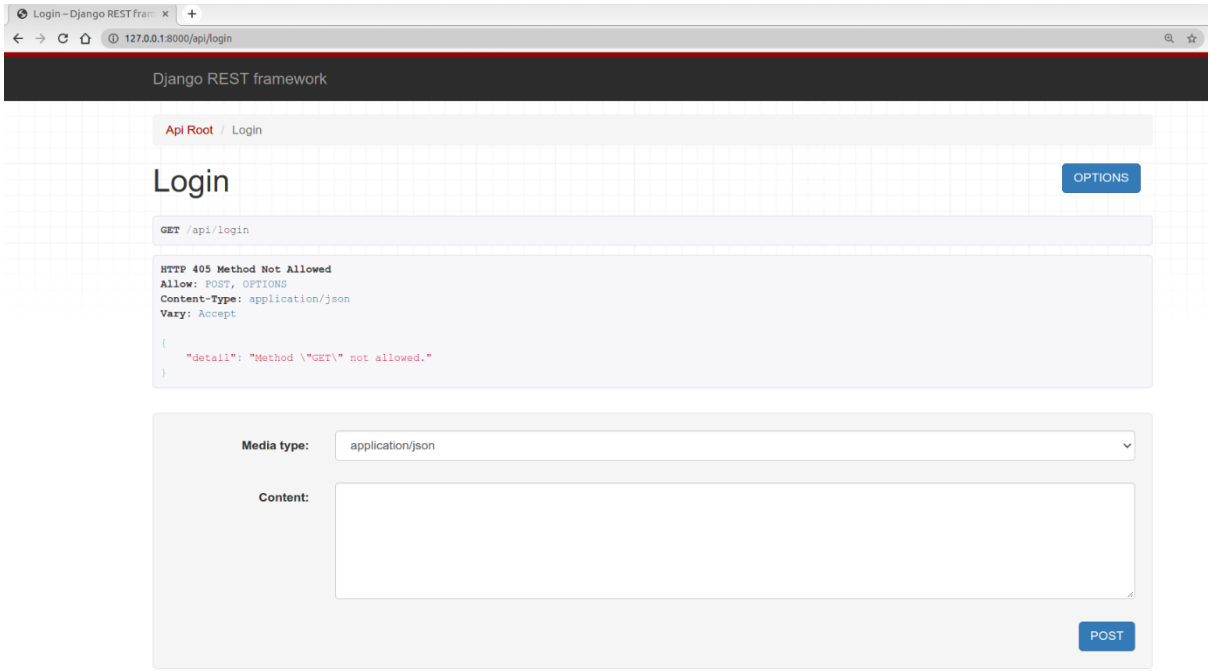
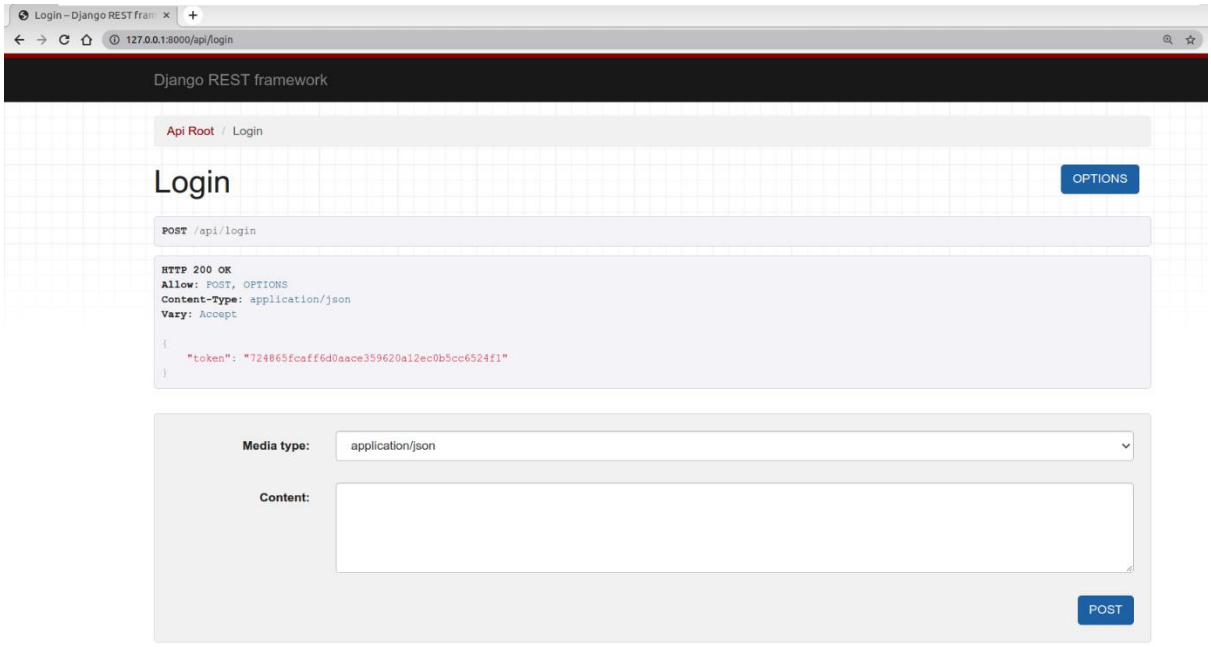
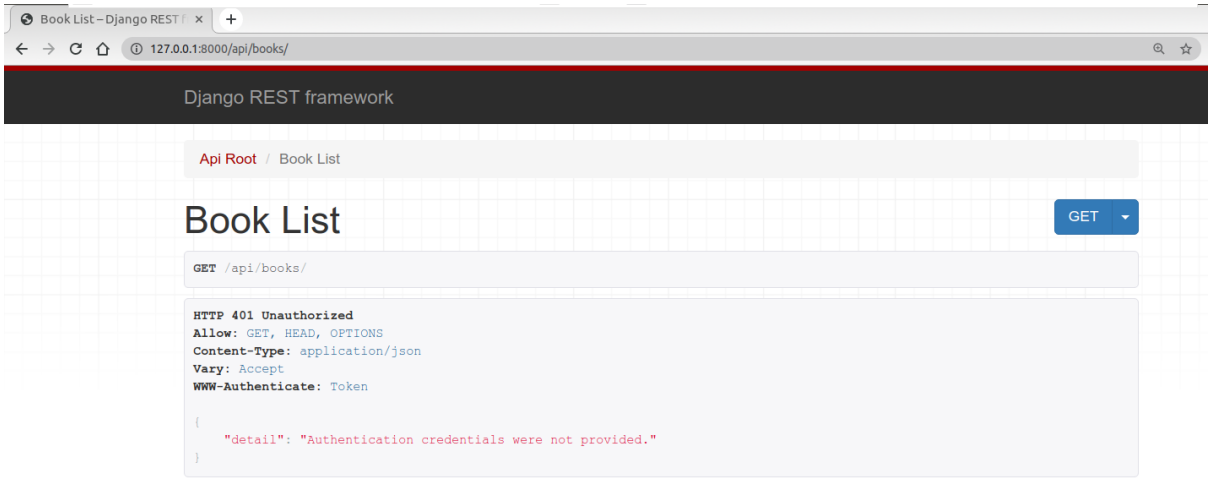
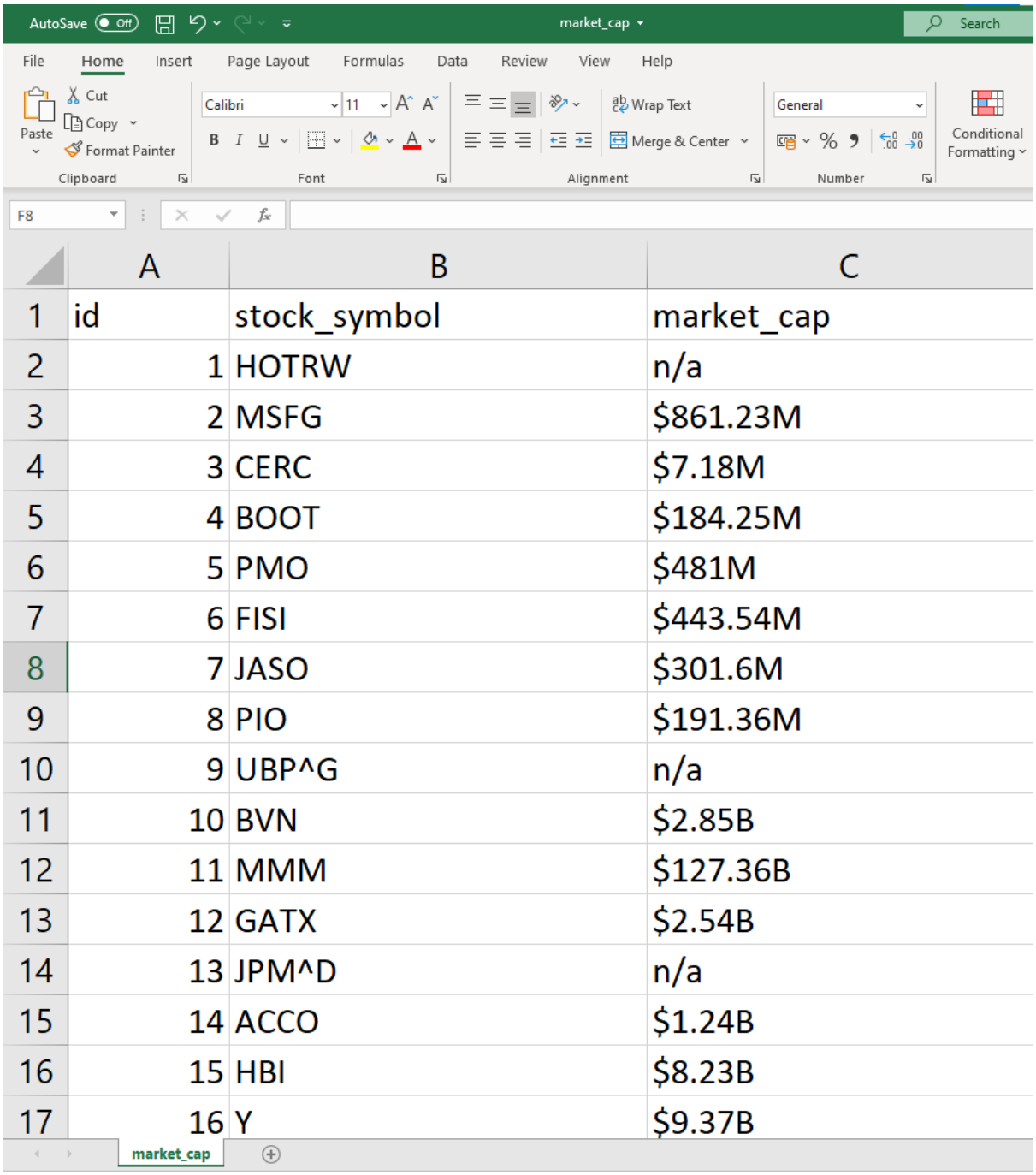
"email": "marksandler@test.com"
}
}


Login – Django REST fram
127.0.0.1:8000/api/login
Django REST framework
Api Root / Login
Login
OPTIONS
GET /api/login
HTTP 405 Method Not Allowed
Allow: POST, OPTIONS
Content-Type: application/json
Vary: Accept
{
"detail": "Method \"GET\" not allowed."
}
Media type:
application/json
Content:
POST


Login – Django REST fram
127.0.0.1:8000/api/login
Django REST framework
Api Root / Login
Login
OPTIONS
POST /api/login
HTTP 200 OK
Allow: POST, OPTIONS
Content-Type: application/json
Vary: Accept
{
"token": "724865fcaff6d0aace359620a12ec0b5cc6524f1"
}
Media type:
application/json
Content:
POST

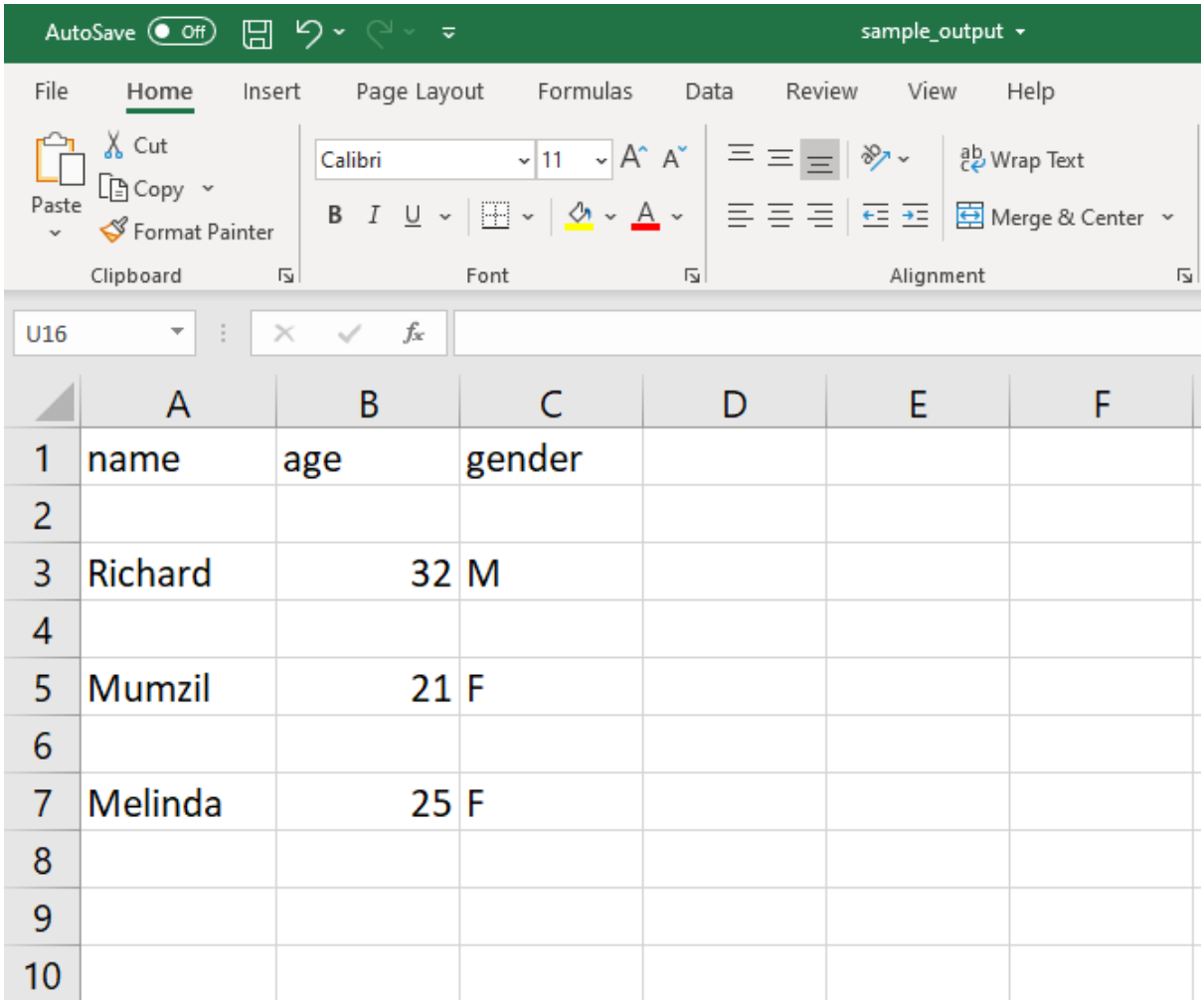

Book List – Django REST
127.0.0.1:8000/api/books/
Django REST framework
Api Root / Book List
Book List
GET
GET /api/books/
HTTP 401 Unauthorized
Allow: GET, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept
WWW-Authenticate: Token
{
"detail": "Authentication credentials were not provided."
}

Chapter 13: Generating CSV, PDF, and Other Binary Files



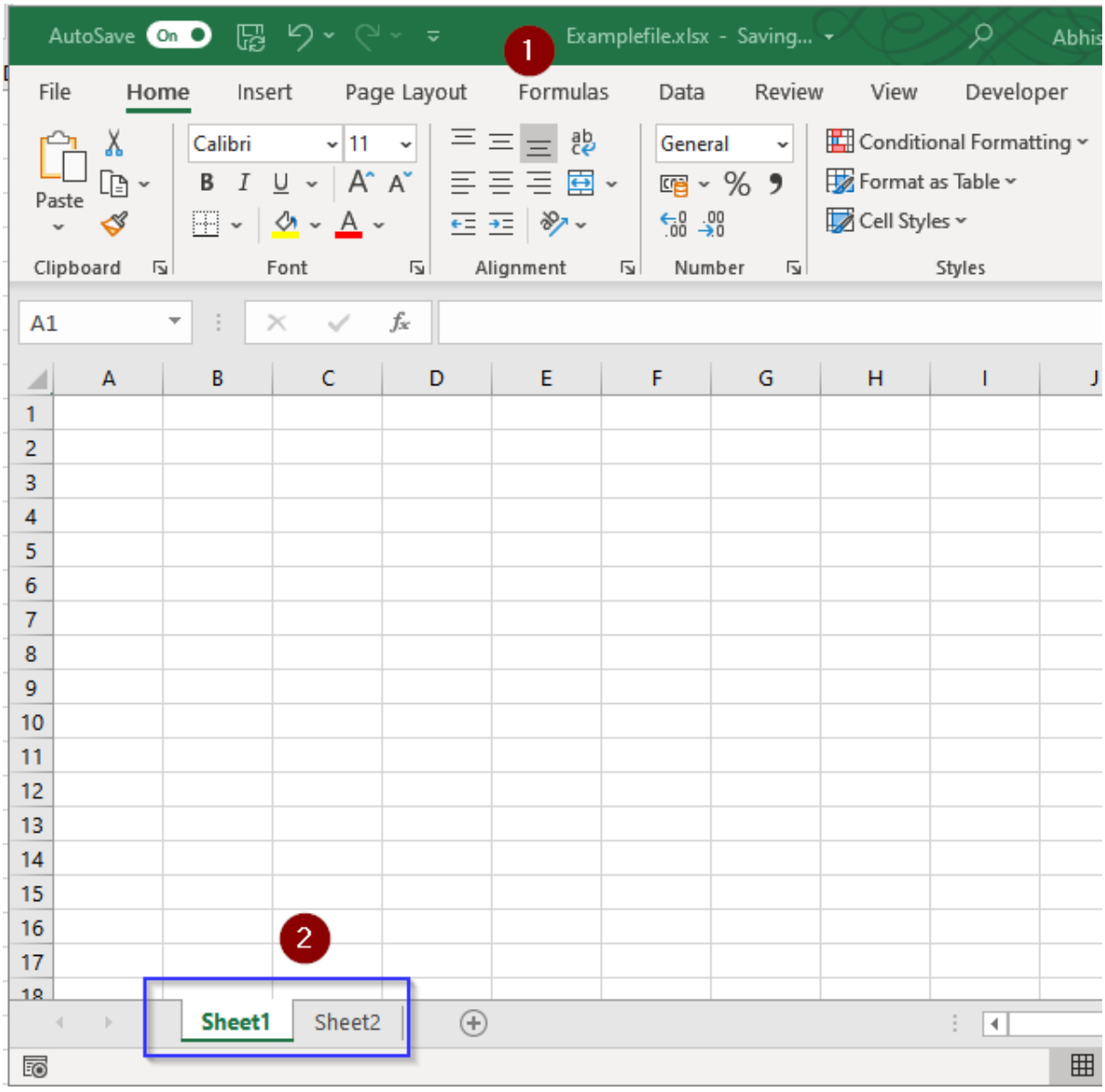
	A	B	C
1	id	stock_symbol	market_cap
2	1	HOTRW	n/a
3	2	MSFG	$861.23M
4	3	CERC	$7.18M
5	4	BOOT	$184.25M
6	5	PMO	$481M
7	6	FISI	$443.54M
8	7	JASO	$301.6M
9	8	PIO	$191.36M
10	9	UBP^G	n/a
11	10	BVN	$2.85B
12	11	MMM	$127.36B
13	12	GATX	$2.54B
14	13	JPM^D	n/a
15	14	ACCO	$1.24B
16	15	HBI	$8.23B
17	16	Y	$9.37B

```
sbadhwar@sbadhwar-mn1 Exercise13.01 % python3 csv_reader.py
['id', 'stock_symbol', 'market_cap']
['1', 'HOTRW', 'n/a']
['2', 'MSFG', '$861.23M']
['3', 'CERC', '$7.18M']
['4', 'BOOT', '$184.25M']
['5', 'PMO', '$481M']
['6', 'FISI', '$443.54M']
['7', 'JASO', '$301.6M']
['8', 'PIO', '$191.36M']
['9', 'UBP^G', 'n/a']
['10', 'BVN', '$2.85B']
['11', 'MMM', '$127.36B']
['12', 'GATX', '$2.54B']
['13', 'JPM^D', 'n/a']
['14', 'ACCO', '$1.24B']
['15', 'HBI', '$8.23B']
['16', 'Y', '$9.37B']
['17', 'DHX', '$128.99M']
['18', 'AGNCB', '$9.12B']
['19', 'BT', '$37.72B']
['20', 'GGP^A', 'n/a']
['21', 'XRAY', '$14.6B']
['22', 'ANCB', '$62.74M']
['23', 'MLP', '$386.9M']
['24', 'AEG', '$10.51B']
['25', 'CELGZ', 'n/a']
```

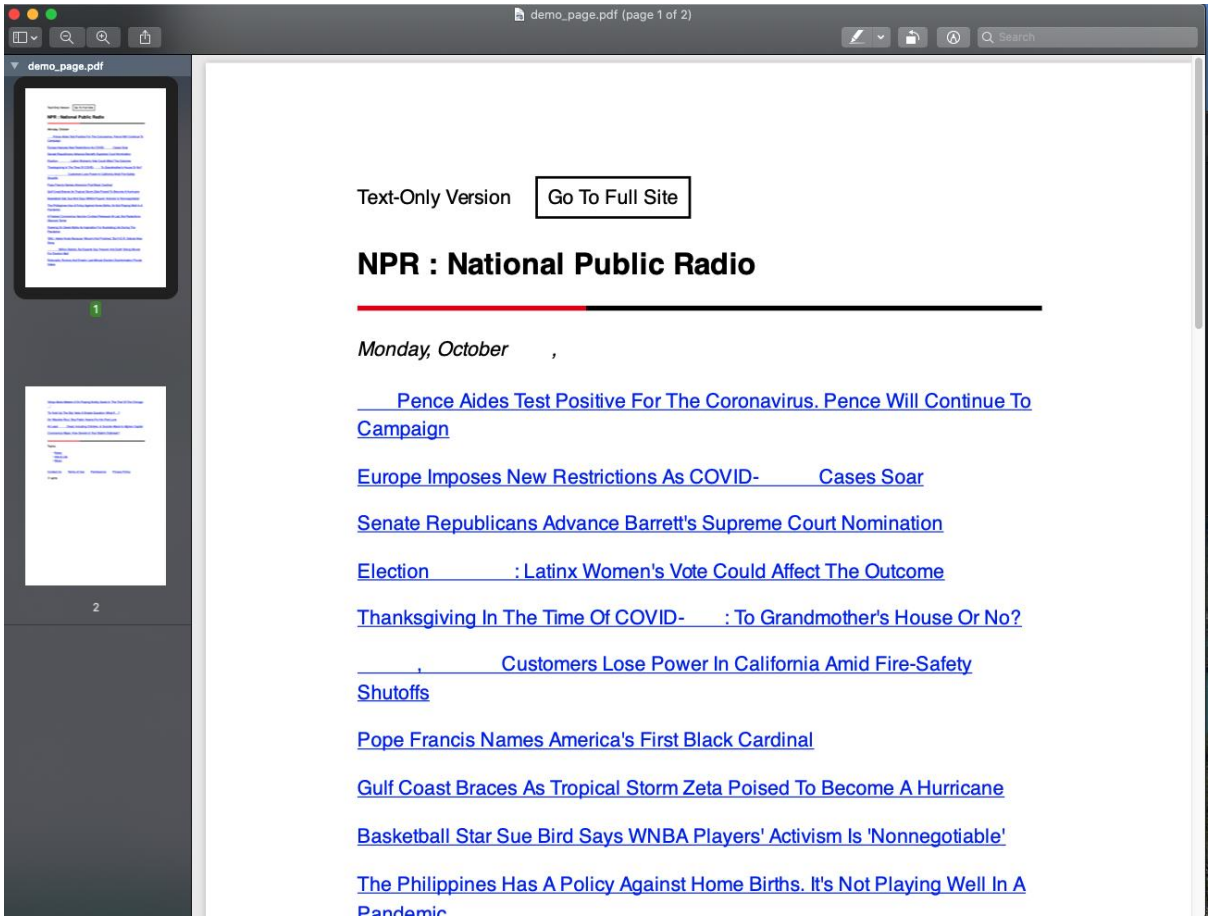


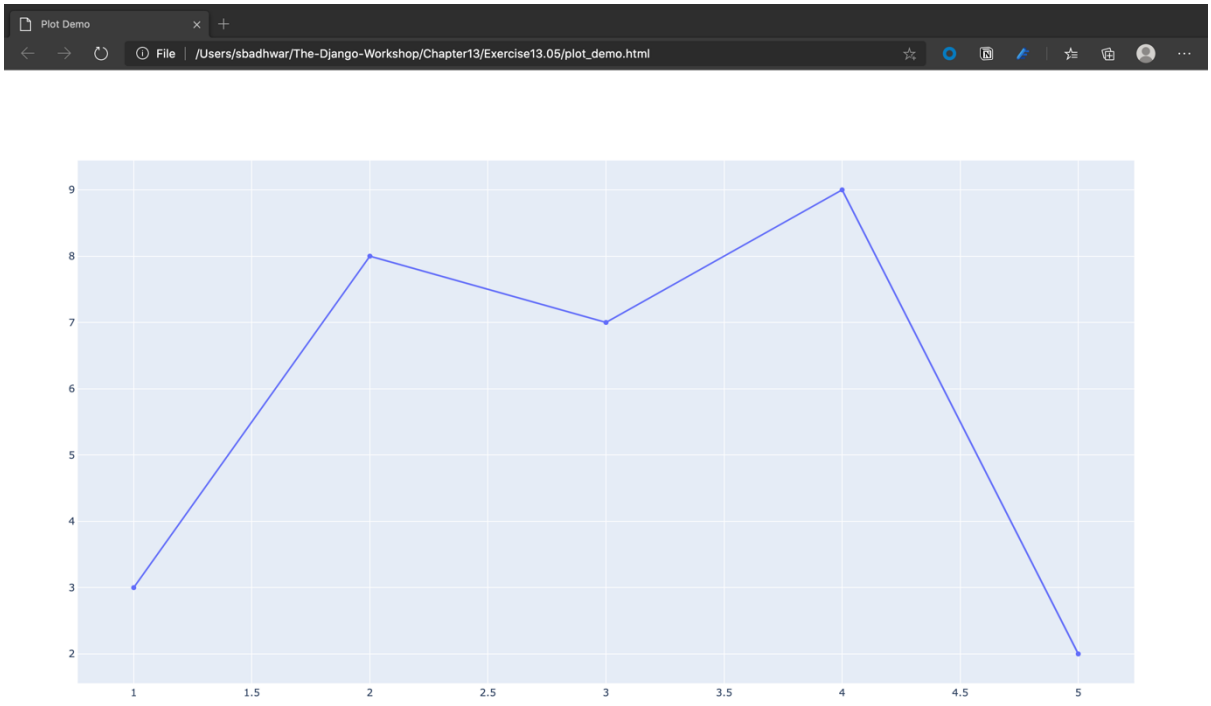
	A	B	C	D	E	F
1	name	age	gender			
2						
3	Richard	32	M			
4						
5	Mumzil	21	F			
6						
7	Melinda	25	F			
8						
9						
10						


```
{'id': '1', 'stock_symbol': 'HOTRW', 'market_cap': 'n/a'}
{'id': '2', 'stock_symbol': 'MSFG', 'market_cap': '$861.23M'}
{'id': '3', 'stock_symbol': 'CERC', 'market_cap': '$7.18M'}
{'id': '4', 'stock_symbol': 'BOOT', 'market_cap': '$184.25M'}
{'id': '5', 'stock_symbol': 'PMO', 'market_cap': '$481M'}
{'id': '6', 'stock_symbol': 'FISI', 'market_cap': '$443.54M'}
{'id': '7', 'stock_symbol': 'JASO', 'market_cap': '$301.6M'}
{'id': '8', 'stock_symbol': 'PIO', 'market_cap': '$191.36M'}
{'id': '9', 'stock_symbol': 'UBP^G', 'market_cap': 'n/a'}
{'id': '10', 'stock_symbol': 'BVN', 'market_cap': '$2.85B'}
{'id': '11', 'stock_symbol': 'MMM', 'market_cap': '$127.36B'}
{'id': '12', 'stock_symbol': 'GATX', 'market_cap': '$2.54B'}
{'id': '13', 'stock_symbol': 'JPM^D', 'market_cap': 'n/a'}
```



	A	B	C	D	E	F	G	H	I	J	K	L	M
1	John Doe	38											
2	Adam Cuvver	22											
3	Stacy Martin	28											
4	Tom Harris	42											
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													


demo_page.pdf (page 1 of 2)
demo_page.pdf
Search
Text-Only Version
Go To Full Site
NPR : National Public Radio
Monday, October ,
Pence Aides Test Positive For The Coronavirus. Pence Will Continue To Campaign
Europe Imposes New Restrictions As COVID- Cases Soar
Senate Republicans Advance Barrett's Supreme Court Nomination
Election : Latinx Women's Vote Could Affect The Outcome
Thanksgiving In The Time Of COVID- : To Grandmother's House Or No?
, Customers Lose Power In California Amid Fire-Safety Shutoffs
Pope Francis Names America's First Black Cardinal
Gulf Coast Braces As Tropical Storm Zeta Poised To Become A Hurricane
Basketball Star Sue Bird Says WNBA Players' Activism Is 'Nonnegotiable'
The Philippines Has A Policy Against Home Births. It's Not Playing Well In A

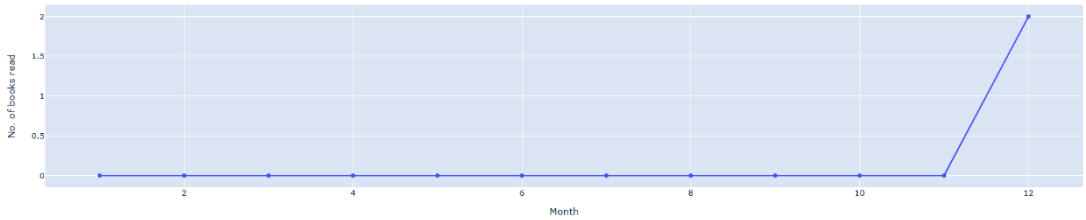

Plot Demo
File
/Users/sbadhwar/The-Django-Workshop/Chapter13/Exercise13.05/plot_demo.html
9
8
7
6
5
4
3
2
1
1.5
2
2.5
3
3.5
4
4.5
5

BOOKR Home Logout Search Search User: abhishek

- Username: abhishek
- Name:
- Date Joined: Dec. 17, 2020, 8:59 p.m.
- Email: abhishekr@packt.com
- Last Login: Dec. 17, 2020, 9 p.m.
- Groups: None

Books read

- Advanced Deep Learning with Keras
- Hands-On Reinforcement Learning with Python



Chapter 14: Testing Your Django Applications

No-images…

Chapter 15: Django Third-Party Libraries

```
(bookr) →  bookr python manage.py runserver
django-configurations version 2.4, using configuration Dev
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
December 31, 2022 - 02:18:39
Django version 4.0, using settings 'bookr.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
```

```
(bookr) →  bookr pip3 install django-configurations
Collecting django-configurations
  Using cached django_configurations-2.4-py3-none-any.whl (17 kB)
Collecting django>=3.2
  Downloading Django-4.1.4-py3-none-any.whl (8.1 MB)
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 8.1/8.1 MB 6.9 MB/s eta 0:00:00
Collecting sqlparse>=0.2.2
  Using cached sqlparse-0.4.3-py3-none-any.whl (42 kB)
Collecting asgiref<4,>=3.5.2
  Downloading asgiref-3.6.0-py3-none-any.whl (23 kB)
Installing collected packages: sqlparse, asgiref, django, django-configurations
Successfully installed asgiref-3.6.0 django-4.1.4 django-configurations-2.4 sqlparse-0.4.3
```

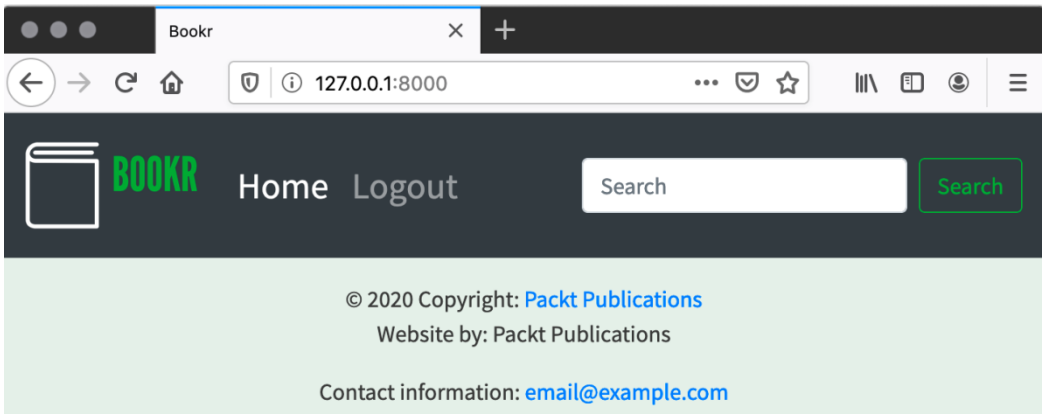
```
from pathlib import Path
from configurations import Configuration, values

class Dev(Configuration):
    # Build paths inside the project like this: BASE_DIR / 'subdir'.
    BASE_DIR = Path(__file__).resolve().parent.parent

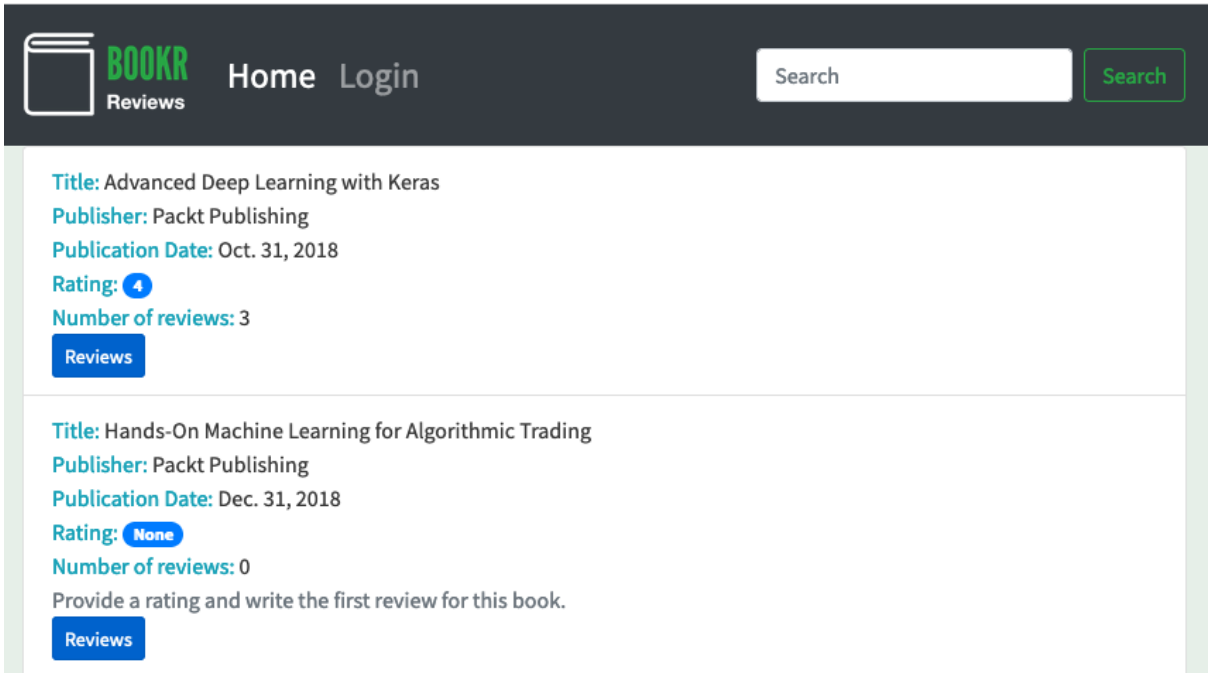
    # Quick-start development settings - unsuitable for production
    # See https://docs.djangoproject.com/en/4.0/howto/deployment/checklist/

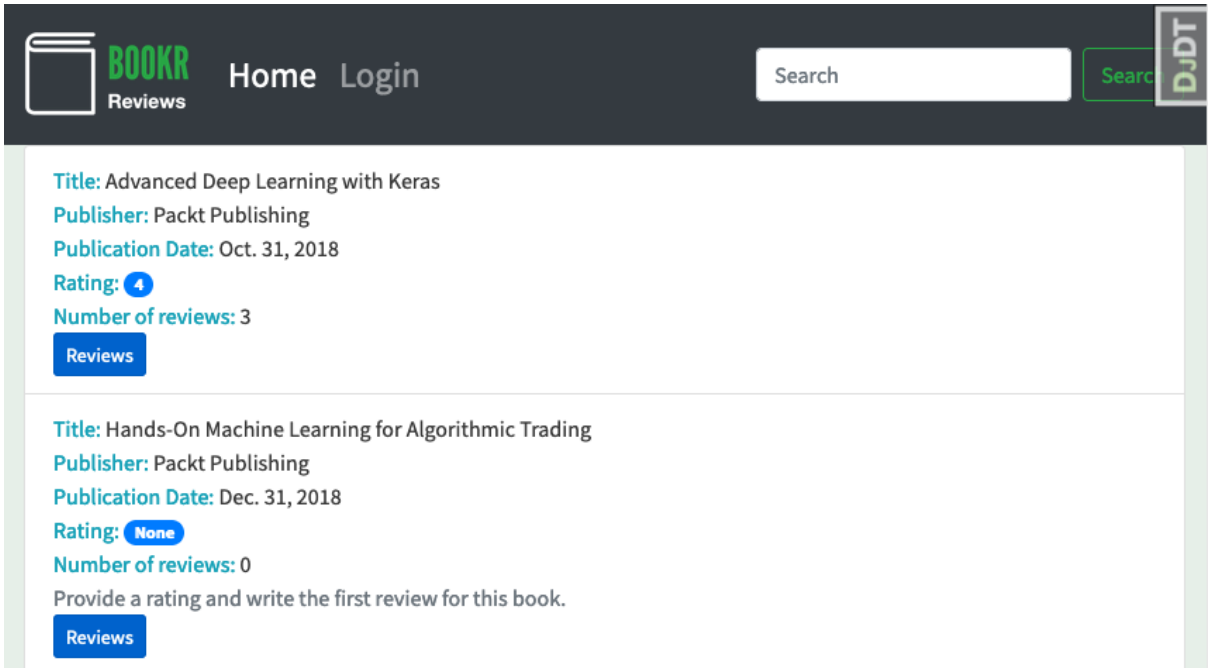
    # SECURITY WARNING: keep the secret key used in production secret!
    SECRET_KEY = "django-insecure-c!ed4dqj0ous$i*%zf&xxf*skpgkey6%$ld-pz6s^_k6w#eo7&"

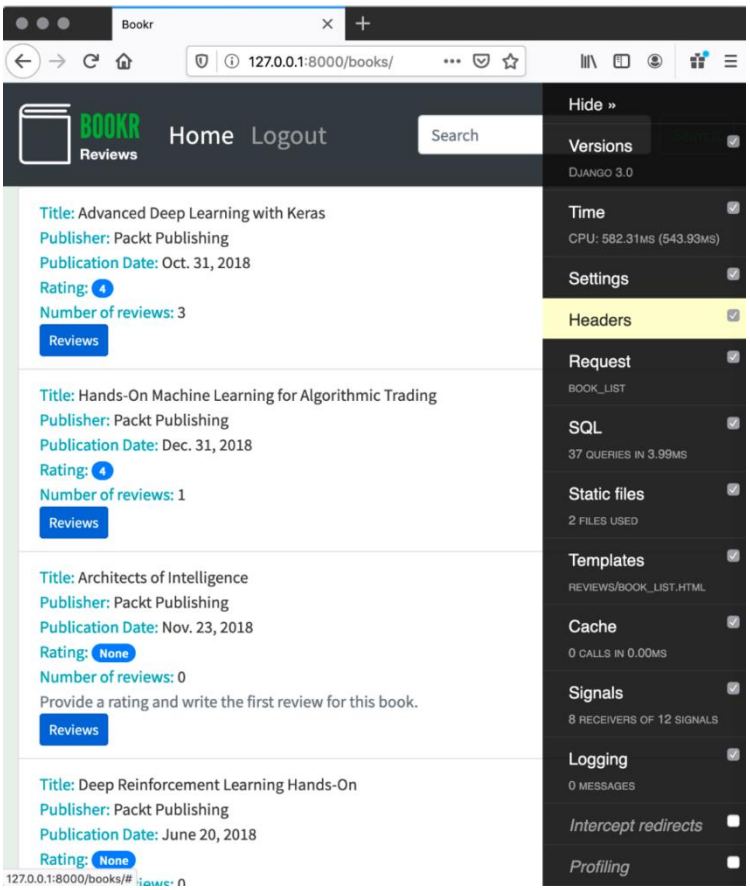
    # SECURITY WARNING: don't run with debug turned on in production!
    DEBUG = True
```

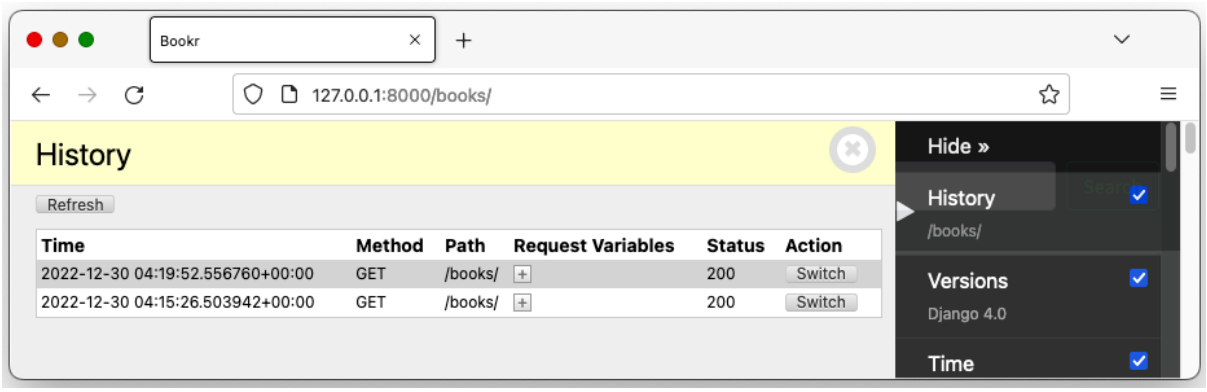


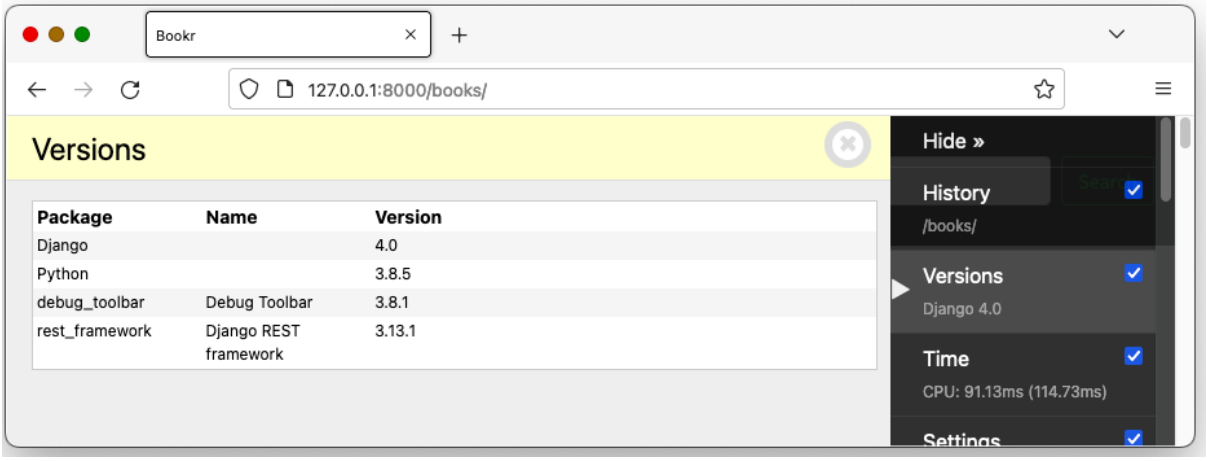

```
(bookr) → bookr  pip install dj-database-url
Collecting dj-database-url
  Using cached dj_database_url-1.2.0-py3-none-any.whl (7.1 kB)
Requirement already satisfied: Django>=3.2 in /Users/ben/.virtualenvs/bookr/lib/python3.8/site-packages (from dj-database-url) (
4.0)
Requirement already satisfied: backports.zoneinfo; python_version < "3.9" in /Users/ben/.virtualenvs/bookr/lib/python3.8/site-pa
ckages (from Django>=3.2->dj-database-url) (0.2.1)
Requirement already satisfied: asgiref<4,>=3.4.1 in /Users/ben/.virtualenvs/bookr/lib/python3.8/site-packages (from Django>=3.2-
>dj-database-url) (3.4.1)
Requirement already satisfied: sqlparse>=0.2.2 in /Users/ben/.virtualenvs/bookr/lib/python3.8/site-packages (from Django>=3.2->d
j-database-url) (0.4.2)
Installing collected packages: dj-database-url
Successfully installed dj-database-url-1.2.0
```

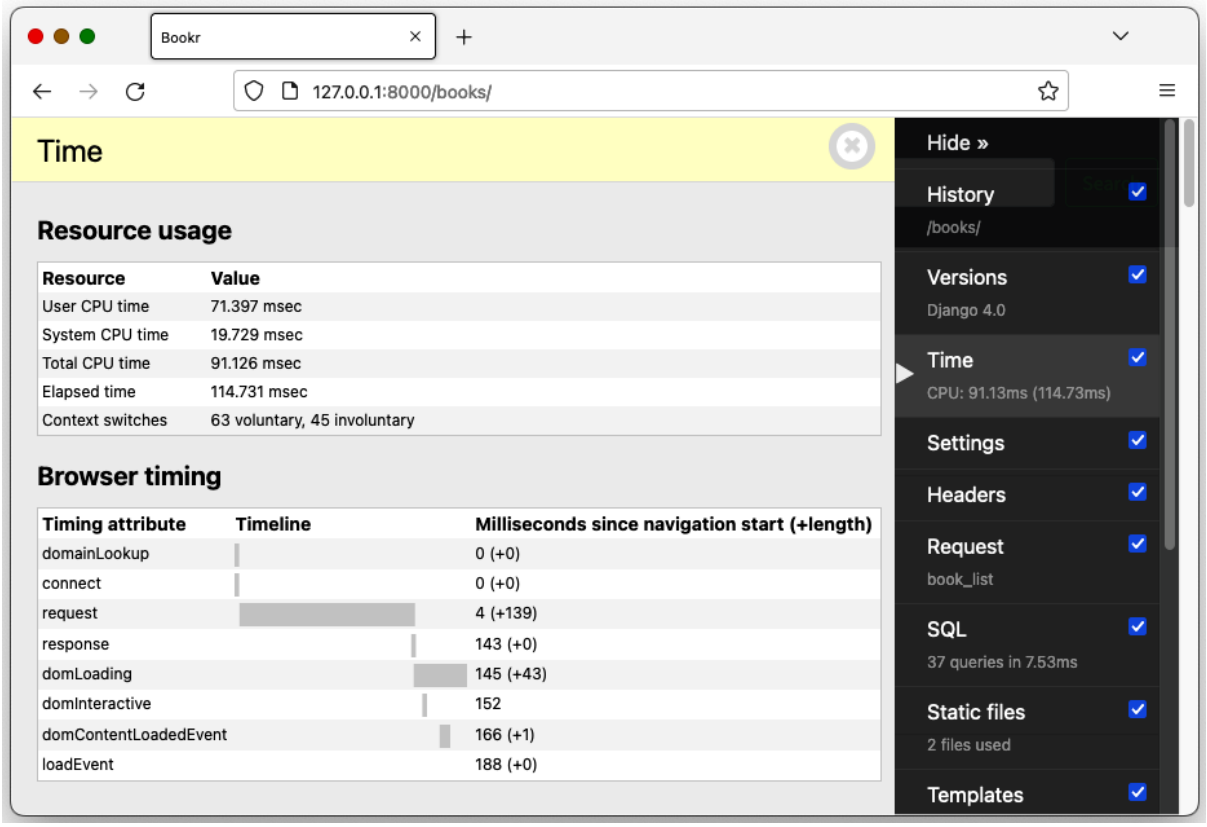


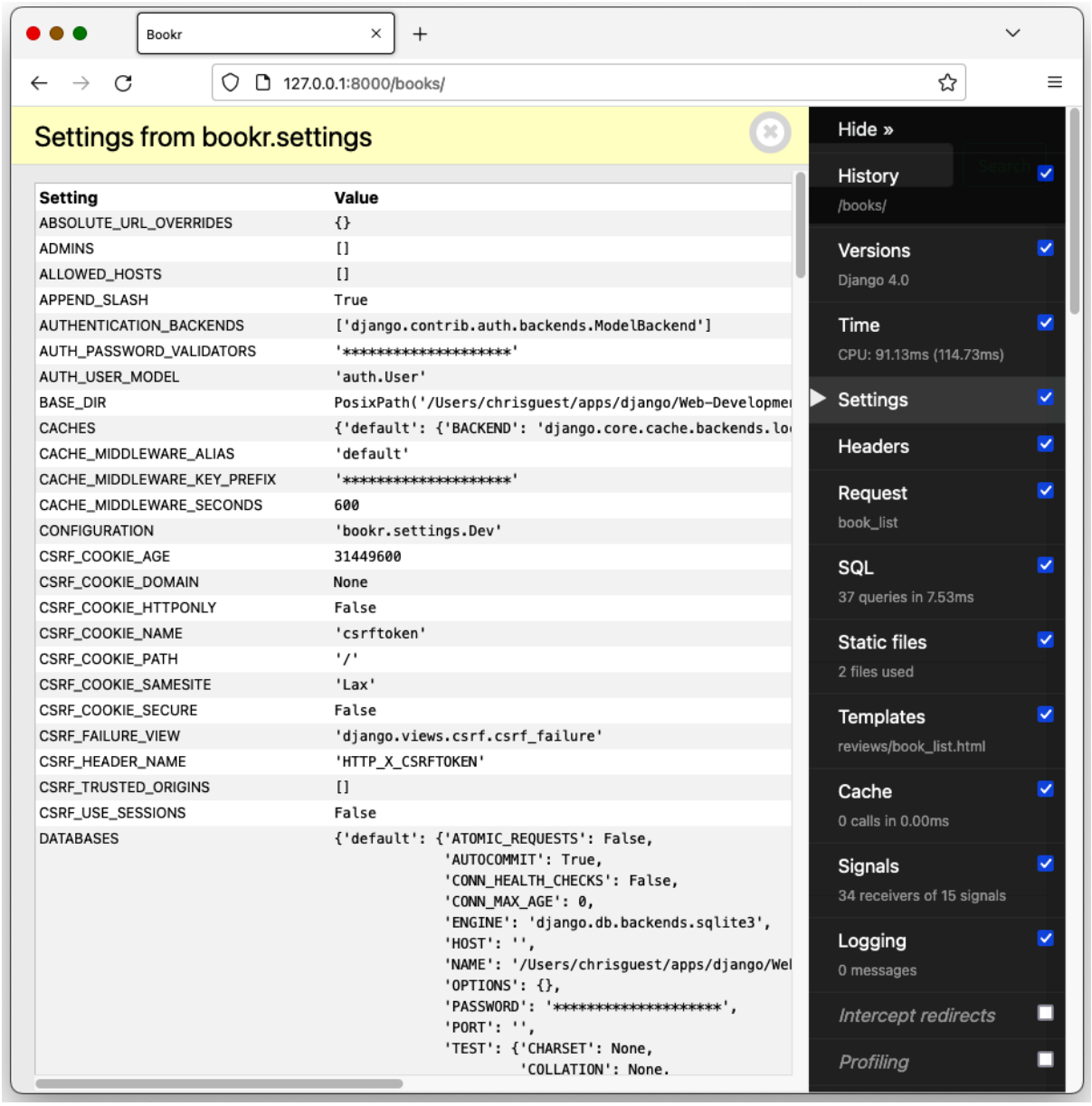

BOOKR
Reviews
Home Login
Search
Searc
DjDT
Title: Advanced Deep Learning with Keras
Publisher: Packt Publishing
Publication Date: Oct. 31, 2018
Rating: 4
Number of reviews: 3
Reviews
Title: Hands-On Machine Learning for Algorithmic Trading
Publisher: Packt Publishing
Publication Date: Dec. 31, 2018
Rating: None
Number of reviews: 0
Provide a rating and write the first review for this book.
Reviews

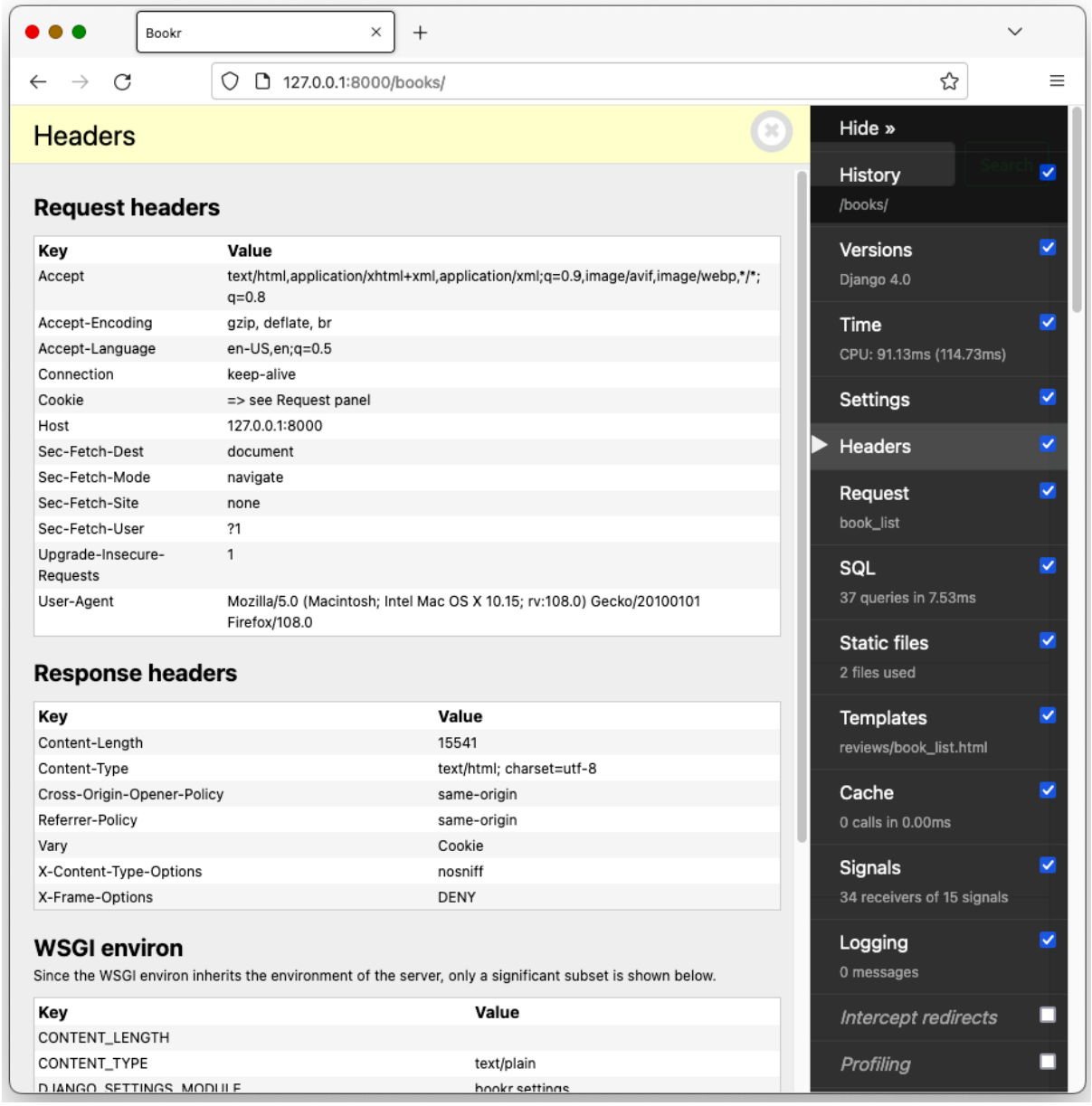

Bookr
127.0.0.1:8000/books/
BOOKR
Reviews
Home Logout
Search
Hide »
Versions
Django 3.0
Time
CPU: 582.31ms (543.93ms)
Settings
Headers
Request
BOOK_LIST
SQL
37 queries in 3.99ms
Static files
2 files used
Templates
reviews/book_list.html
Cache
0 calls in 0.00ms
Signals
8 receivers of 12 signals
Logging
0 messages
Intercept redirects
Profiling
Title: Advanced Deep Learning with Keras
Publisher: Packt Publishing
Publication Date: Oct. 31, 2018
Rating: 4
Number of reviews: 3
Reviews
Title: Hands-On Machine Learning for Algorithmic Trading
Publisher: Packt Publishing
Publication Date: Dec. 31, 2018
Rating: 4
Number of reviews: 1
Reviews
Title: Architects of Intelligence
Publisher: Packt Publishing
Publication Date: Nov. 23, 2018
Rating: None
Number of reviews: 0
Provide a rating and write the first review for this book.
Reviews
Title: Deep Reinforcement Learning Hands-On
Publisher: Packt Publishing
Publication Date: June 20, 2018
Rating: None
127.0.0.1:8000/books/#

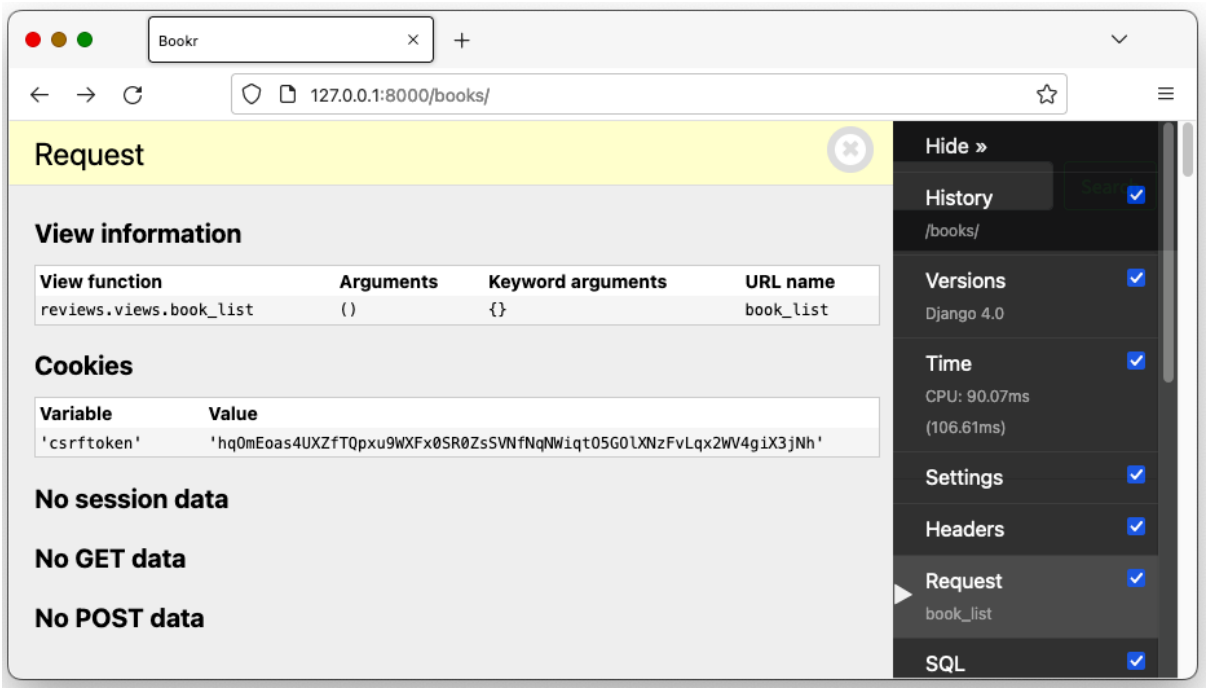

Bookr
127.0.0.1:8000/books/
History
Refresh
Time
Method
Path
Request Variables
Status
Action
2022-12-30 04:19:52.556760+00:00
GET
/books/
200
Switch
2022-12-30 04:15:26.503942+00:00
GET
/books/
200
Switch
Hide »
History
/books/
Versions
Django 4.0
Time

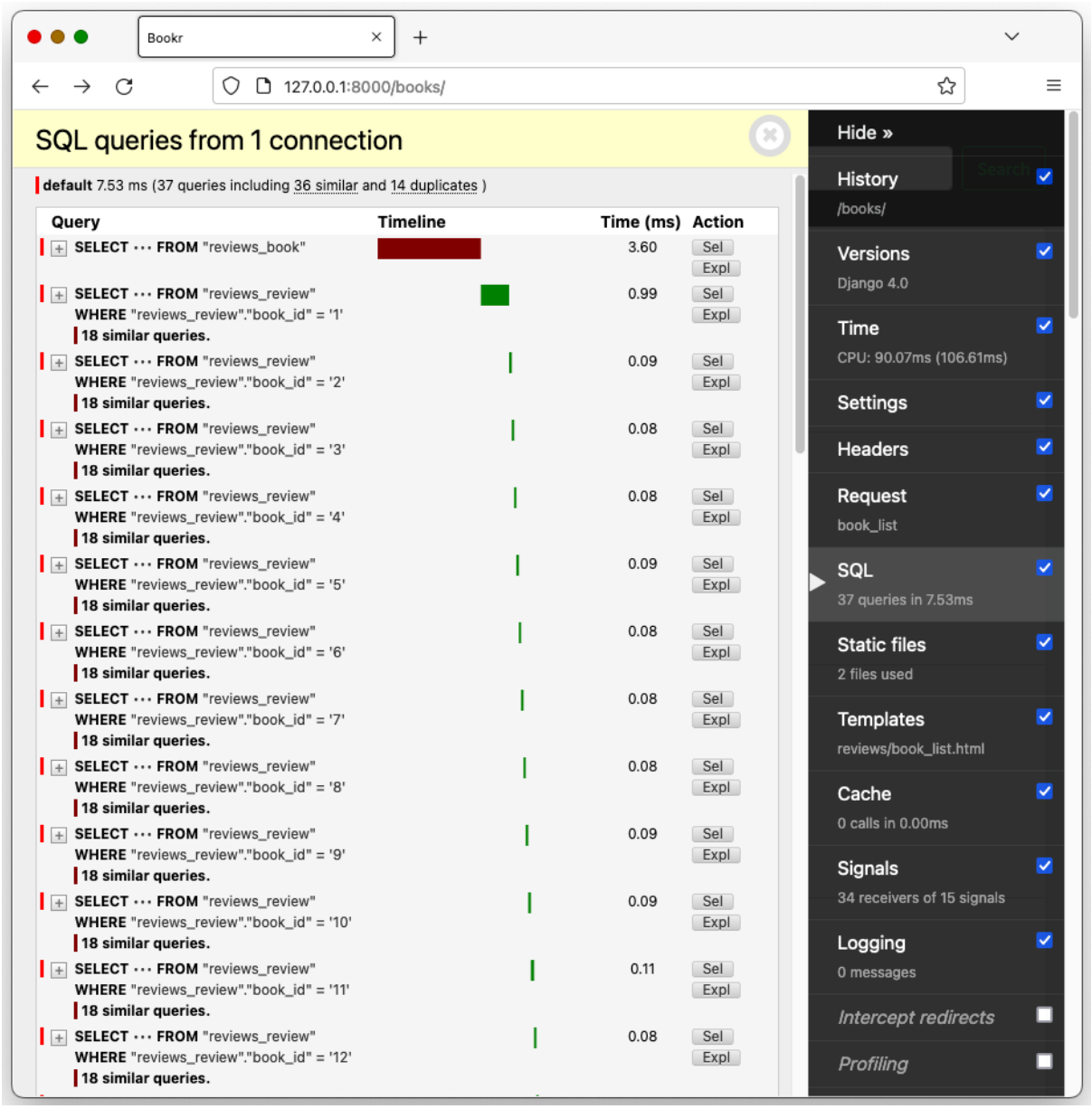

Bookr
127.0.0.1:8000/books/
Versions
Package
Name
Version
Django
4.0
Python
3.8.5
debug_toolbar
Debug Toolbar
3.8.1
rest_framework
Django REST framework
3.13.1
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 91.13ms (114.73ms)

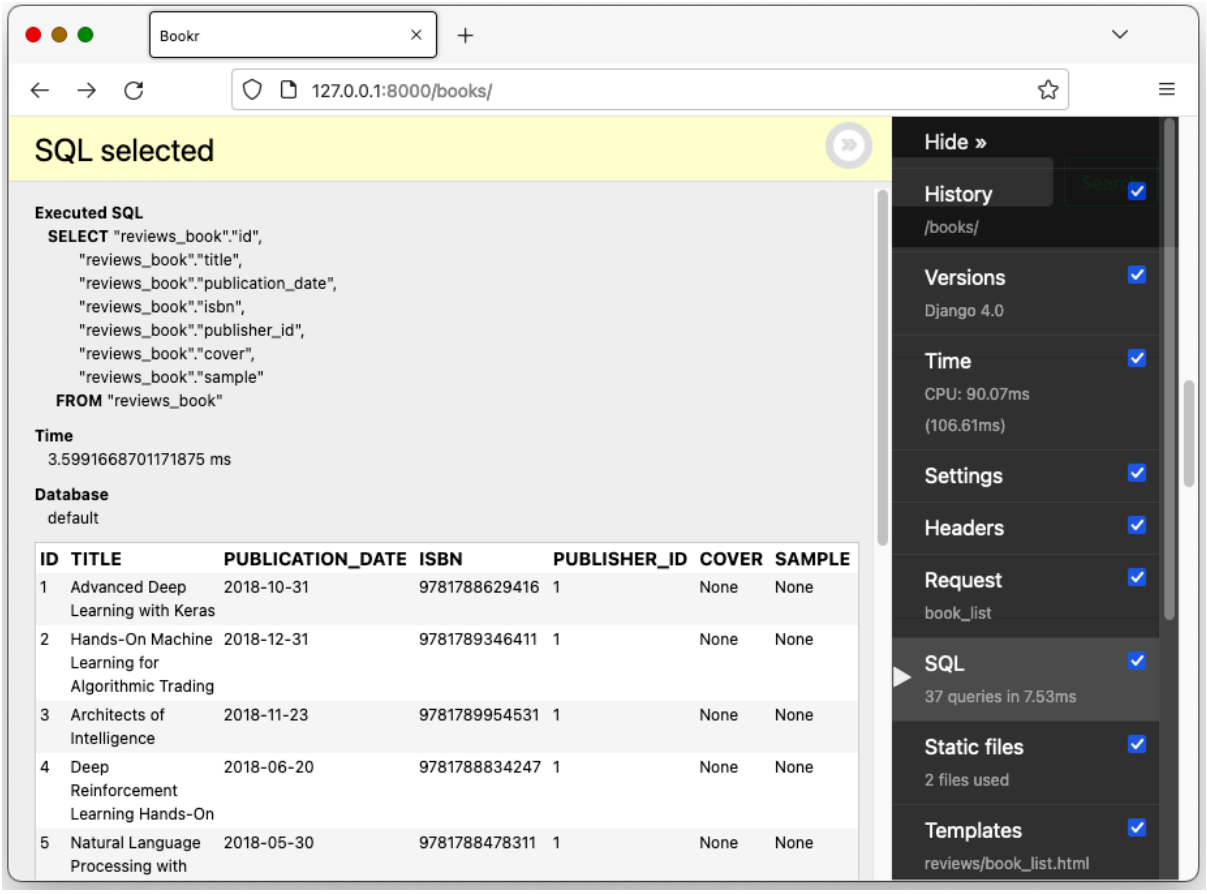

Bookr
127.0.0.1:8000/books/
Time
Resource usage
Resource
Value
User CPU time
71.397 msec
System CPU time
19.729 msec
Total CPU time
91.126 msec
Elapsed time
114.731 msec
Context switches
63 voluntary, 45 involuntary
Browser timing
Timing attribute
Timeline
Milliseconds since navigation start (+length)
domainLookup
0 (+0)
connect
0 (+0)
request
4 (+139)
response
143 (+0)
domLoading
145 (+43)
domInteractive
152
domContentLoadedEvent
166 (+1)
loadEvent
188 (+0)
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 91.13ms (114.73ms)
Settings
Headers
Request
book_list
SQL
37 queries in 7.53ms
Static files
2 files used
Templates

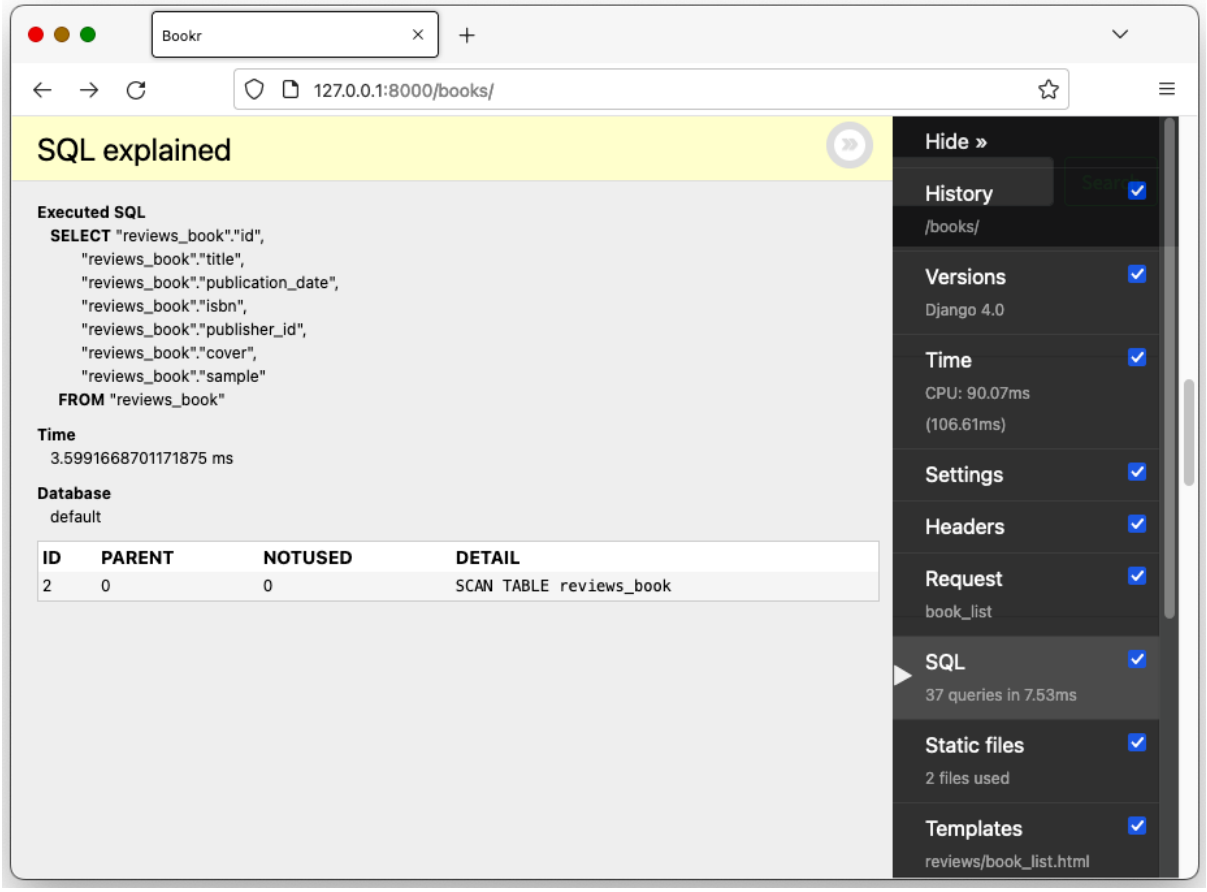

Bookr
127.0.0.1:8000/books/
Settings from bookr.settings
Setting
Value
ABSOLUTE_URL_OVERRIDES
{}
ADMINS
[]
ALLOWED_HOSTS
[]
APPEND_SLASH
True
AUTHENTICATION_BACKENDS
['django.contrib.auth.backends.ModelBackend']
AUTH_PASSWORD_VALIDATORS
'**********'
AUTH_USER_MODEL
'auth.User'
BASE_DIR
PosixPath('/Users/chrisguest/apps/django/Web-Developme
CACHES
{'default': {'BACKEND': 'django.core.cache.backends.lo
CACHE_MIDDLEWARE_ALIAS
'default'
CACHE_MIDDLEWARE_KEY_PREFIX
'**********'
CACHE_MIDDLEWARE_SECONDS
600
CONFIGURATION
'bookr.settings.Dev'
CSRF_COOKIE_AGE
31449600
CSRF_COOKIE_DOMAIN
None
CSRF_COOKIE_HTTPONLY
False
CSRF_COOKIE_NAME
'csrftoken'
CSRF_COOKIE_PATH
'/'
CSRF_COOKIE_SAMESITE
'Lax'
CSRF_COOKIE_SECURE
False
CSRF_FAILURE_VIEW
'django.views.csrf.csrf_failure'
CSRF_HEADER_NAME
'HTTP_X_CSRFTOKEN'
CSRF_TRUSTED_ORIGINS
[]
CSRF_USE_SESSIONS
False
DATABASES
{'default': {'ATOMIC_REQUESTS': False,
'AUTOCOMMIT': True,
'CONN_HEALTH_CHECKS': False,
'CONN_MAX_AGE': 0,
'ENGINE': 'django.db.backends.sqlite3',
'HOST': '',
'NAME': '/Users/chrisguest/apps/django/Wel
'OPTIONS': {},
'PASSWORD': '**********',
'PORT': '',
'TEST': {'CHARSET': None,
'COLLATION': None.
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 91.13ms (114.73ms)
Settings
Headers
Request
book_list
SQL
37 queries in 7.53ms
Static files
2 files used
Templates
reviews/book_list.html
Cache
0 calls in 0.00ms
Signals
34 receivers of 15 signals
Logging
0 messages
Intercept redirects
Profiling

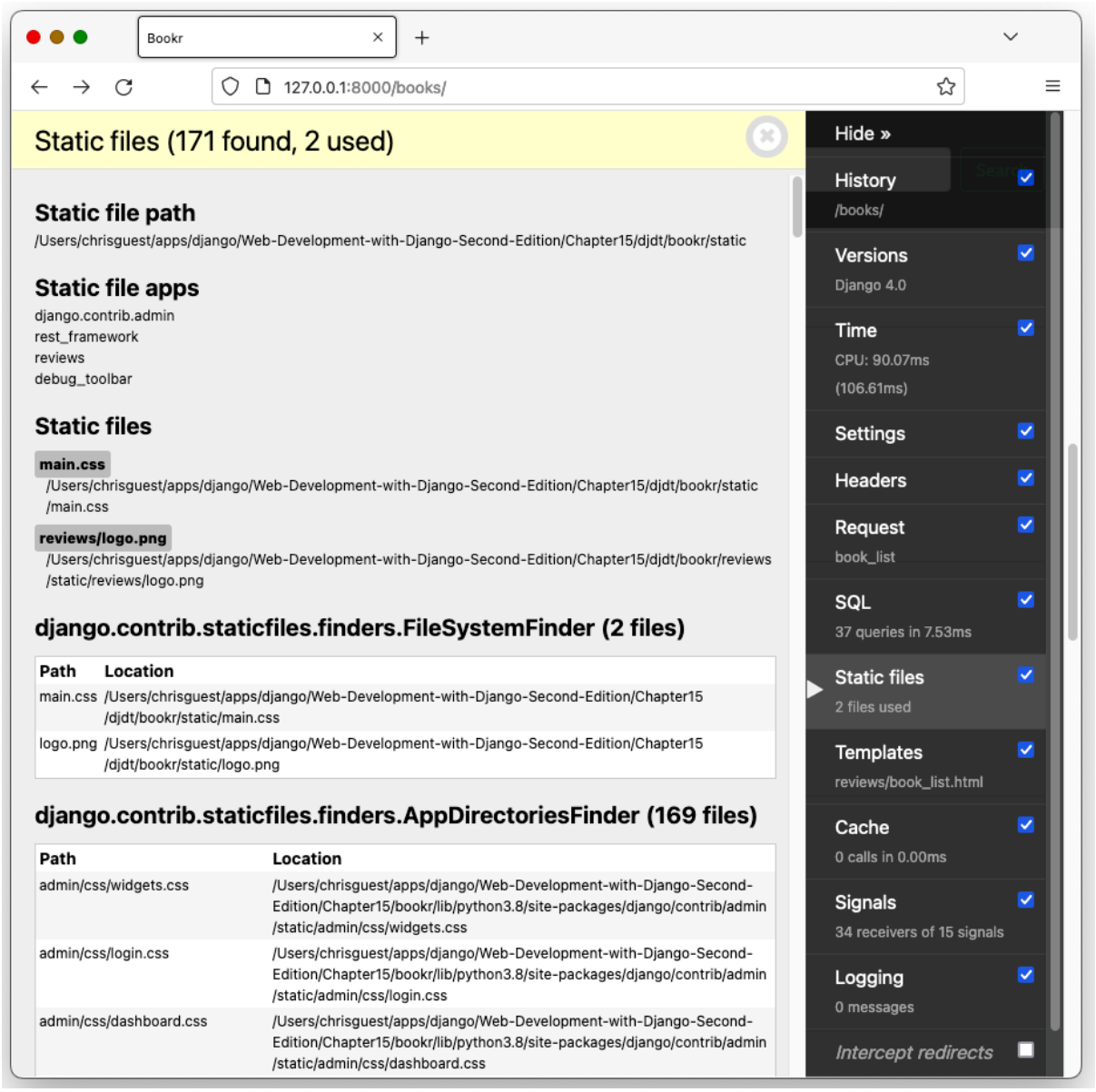

Bookr
127.0.0.1:8000/books/
Headers
Request headers
Key
Value
Accept
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
Accept-Encoding
gzip, deflate, br
Accept-Language
en-US,en;q=0.5
Connection
keep-alive
Cookie
=> see Request panel
Host
127.0.0.1:8000
Sec-Fetch-Dest
document
Sec-Fetch-Mode
navigate
Sec-Fetch-Site
none
Sec-Fetch-User
?1
Upgrade-Insecure-Requests
1
User-Agent
Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:108.0) Gecko/20100101 Firefox/108.0
Response headers
Key
Value
Content-Length
15541
Content-Type
text/html; charset=utf-8
Cross-Origin-Opener-Policy
same-origin
Referrer-Policy
same-origin
Vary
Cookie
X-Content-Type-Options
nosniff
X-Frame-Options
DENY
WSGI environ
Since the WSGI environ inherits the environment of the server, only a significant subset is shown below.
Key
Value
CONTENT_LENGTH
CONTENT_TYPE
text/plain
DJANGO_SETTINGS_MODULE
bookr.settings
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 91.13ms (114.73ms)
Settings
Headers
Request
book_list
SQL
37 queries in 7.53ms
Static files
2 files used
Templates
reviews/book_list.html
Cache
0 calls in 0.00ms
Signals
34 receivers of 15 signals
Logging
0 messages
Intercept redirects
Profiling

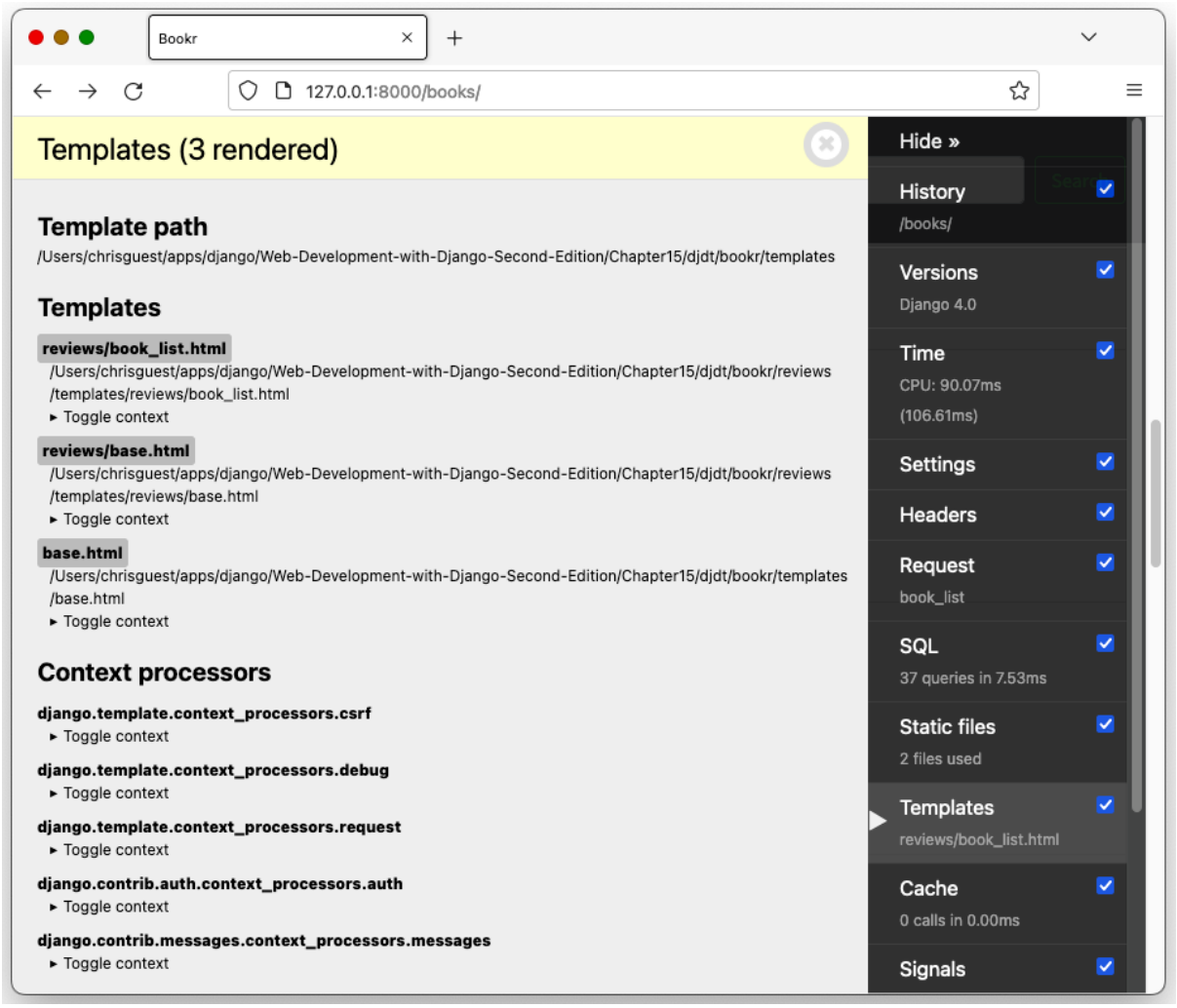

Bookr
127.0.0.1:8000/books/
Request
View information
View function
Arguments
Keyword arguments
URL name
reviews.views.book_list
()
{}
book_list
Cookies
Variable
Value
'csrftoken'
'hqOmEoas4UXZfTQpxu9WXFx0SR0ZsSVNfNqNWiqtO5GOlXNzFvLqx2WV4giX3jNh'
No session data
No GET data
No POST data
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 90.07ms
(106.61ms)
Settings
Headers
Request
book_list
SQL

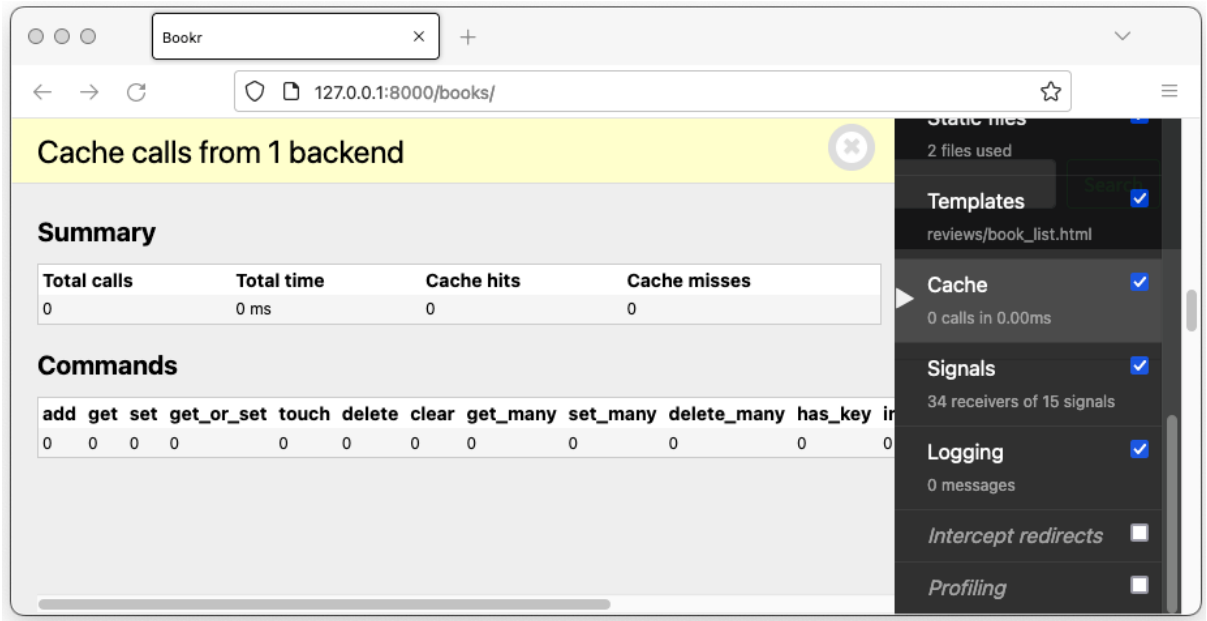

Bookr
127.0.0.1:8000/books/
SQL queries from 1 connection
default 7.53 ms (37 queries including 36 similar and 14 duplicates)
Query
Timeline
Time (ms)
Action
SELECT ··· FROM "reviews_book" 3.60 Sel Expl
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '1' 0.99 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '2' 0.09 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '3' 0.08 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '4' 0.08 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '5' 0.09 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '6' 0.08 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '7' 0.08 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '8' 0.08 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '9' 0.09 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '10' 0.09 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '11' 0.11 Sel Expl
18 similar queries.
SELECT ··· FROM "reviews_review" WHERE "reviews_review"."book_id" = '12' 0.08 Sel Expl
18 similar queries.
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 90.07ms (106.61ms)
Settings
Headers
Request
book_list
SQL
37 queries in 7.53ms
Static files
2 files used
Templates
reviews/book_list.html
Cache
0 calls in 0.00ms
Signals
34 receivers of 15 signals
Logging
0 messages
Intercept redirects
Profiling

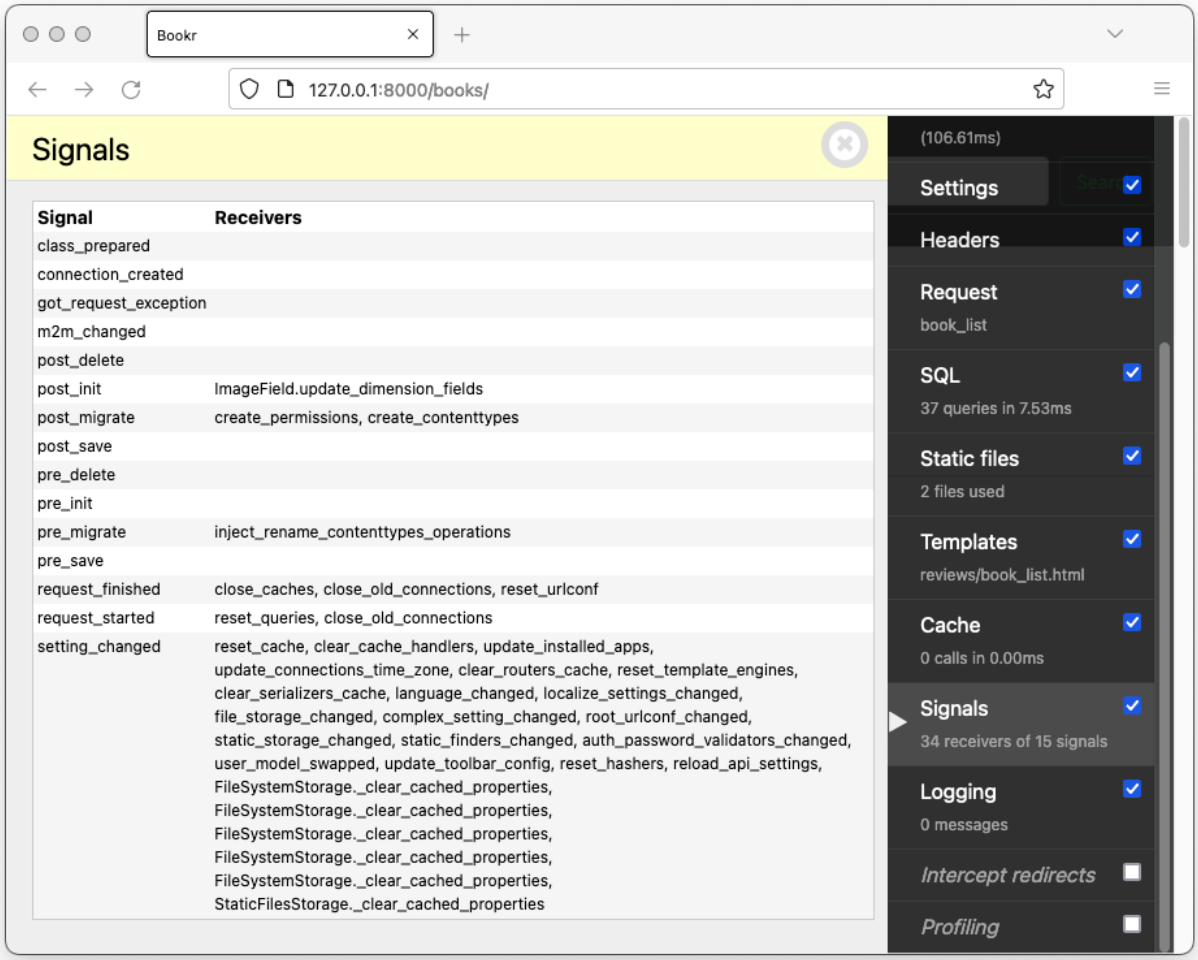

Bookr
127.0.0.1:8000/books/
SQL selected
Executed SQL
SELECT "reviews_book"."id",
"reviews_book"."title",
"reviews_book"."publication_date",
"reviews_book"."isbn",
"reviews_book"."publisher_id",
"reviews_book"."cover",
"reviews_book"."sample"
FROM "reviews_book"
Time
3.5991668701171875 ms
Database
default
ID TITLE PUBLICATION_DATE ISBN PUBLISHER_ID COVER SAMPLE
1 Advanced Deep Learning with Keras 2018-10-31 9781788629416 1 None None
2 Hands-On Machine Learning for Algorithmic Trading 2018-12-31 9781789346411 1 None None
3 Architects of Intelligence 2018-11-23 9781789954531 1 None None
4 Deep Reinforcement Learning Hands-On 2018-06-20 9781788834247 1 None None
5 Natural Language Processing with 2018-05-30 9781788478311 1 None None
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 90.07ms
(106.61ms)
Settings
Headers
Request
book_list
SQL
37 queries in 7.53ms
Static files
2 files used
Templates
reviews/book_list.html

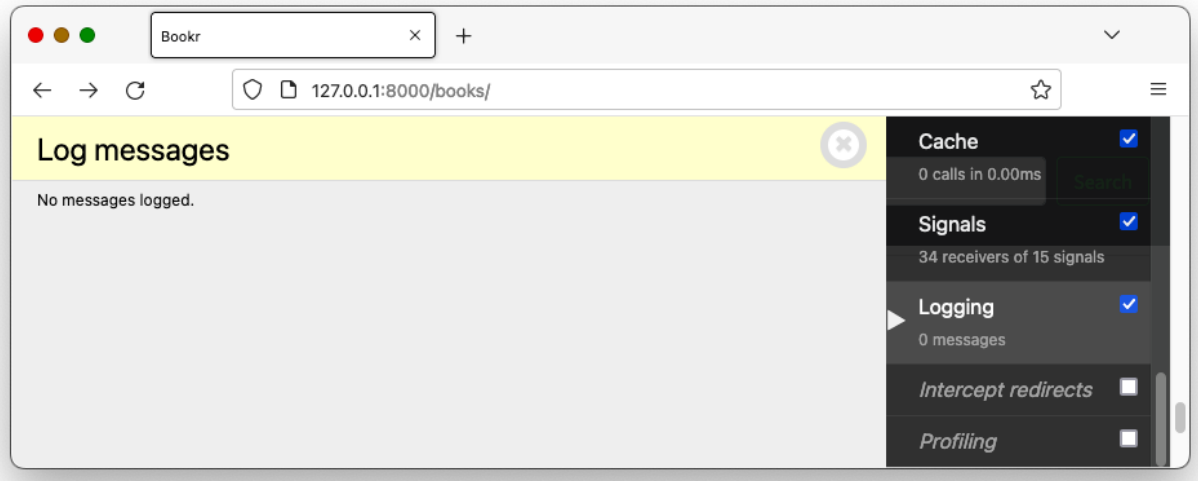

Bookr
127.0.0.1:8000/books/
SQL explained
Executed SQL
SELECT "reviews_book"."id",
"reviews_book"."title",
"reviews_book"."publication_date",
"reviews_book"."isbn",
"reviews_book"."publisher_id",
"reviews_book"."cover",
"reviews_book"."sample"
FROM "reviews_book"
Time
3.5991668701171875 ms
Database
default
ID PARENT NOTUSED DETAIL
2 0 0 SCAN TABLE reviews_book
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 90.07ms
(106.61ms)
Settings
Headers
Request
book_list
SQL
37 queries in 7.53ms
Static files
2 files used
Templates
reviews/book_list.html

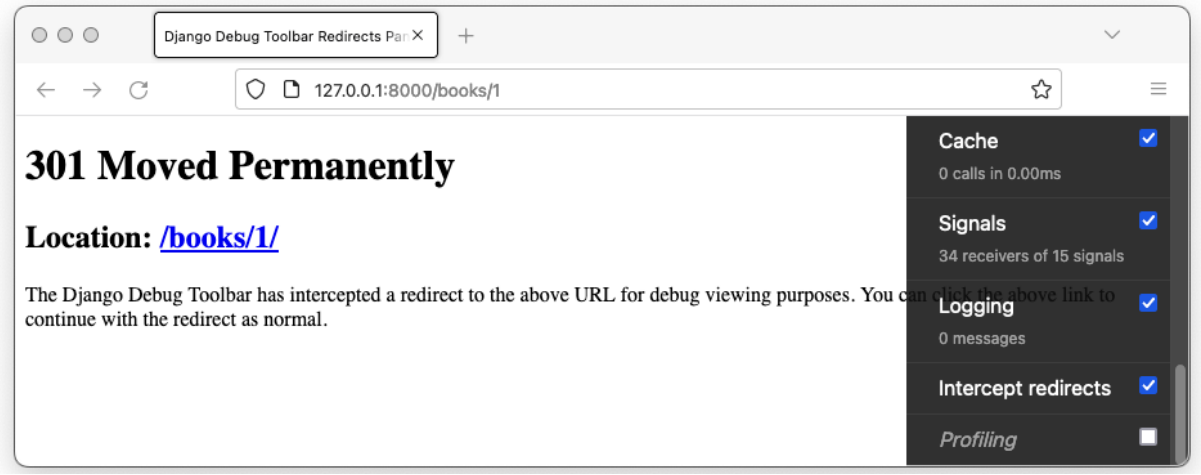

Bookr
127.0.0.1:8000/books/
Static files (171 found, 2 used)
Static file path
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/static
Static file apps
django.contrib.admin
rest_framework
reviews
debug_toolbar
Static files
main.css
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/static/main.css
reviews/logo.png
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/reviews/static/reviews/logo.png
django.contrib.staticfiles.finders.FileSystemFinder (2 files)
Path Location
main.css /Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/static/main.css
logo.png /Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/static/logo.png
django.contrib.staticfiles.finders.AppDirectoriesFinder (169 files)
Path Location
admin/css/widgets.css /Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/bookr/lib/python3.8/site-packages/django/contrib/admin/static/admin/css/widgets.css
admin/css/login.css /Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/bookr/lib/python3.8/site-packages/django/contrib/admin/static/admin/css/login.css
admin/css/dashboard.css /Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/bookr/lib/python3.8/site-packages/django/contrib/admin/static/admin/css/dashboard.css
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 90.07ms
(106.61ms)
Settings
Headers
Request
book_list
SQL
37 queries in 7.53ms
Static files
2 files used
Templates
reviews/book_list.html
Cache
0 calls in 0.00ms
Signals
34 receivers of 15 signals
Logging
0 messages
Intercept redirects

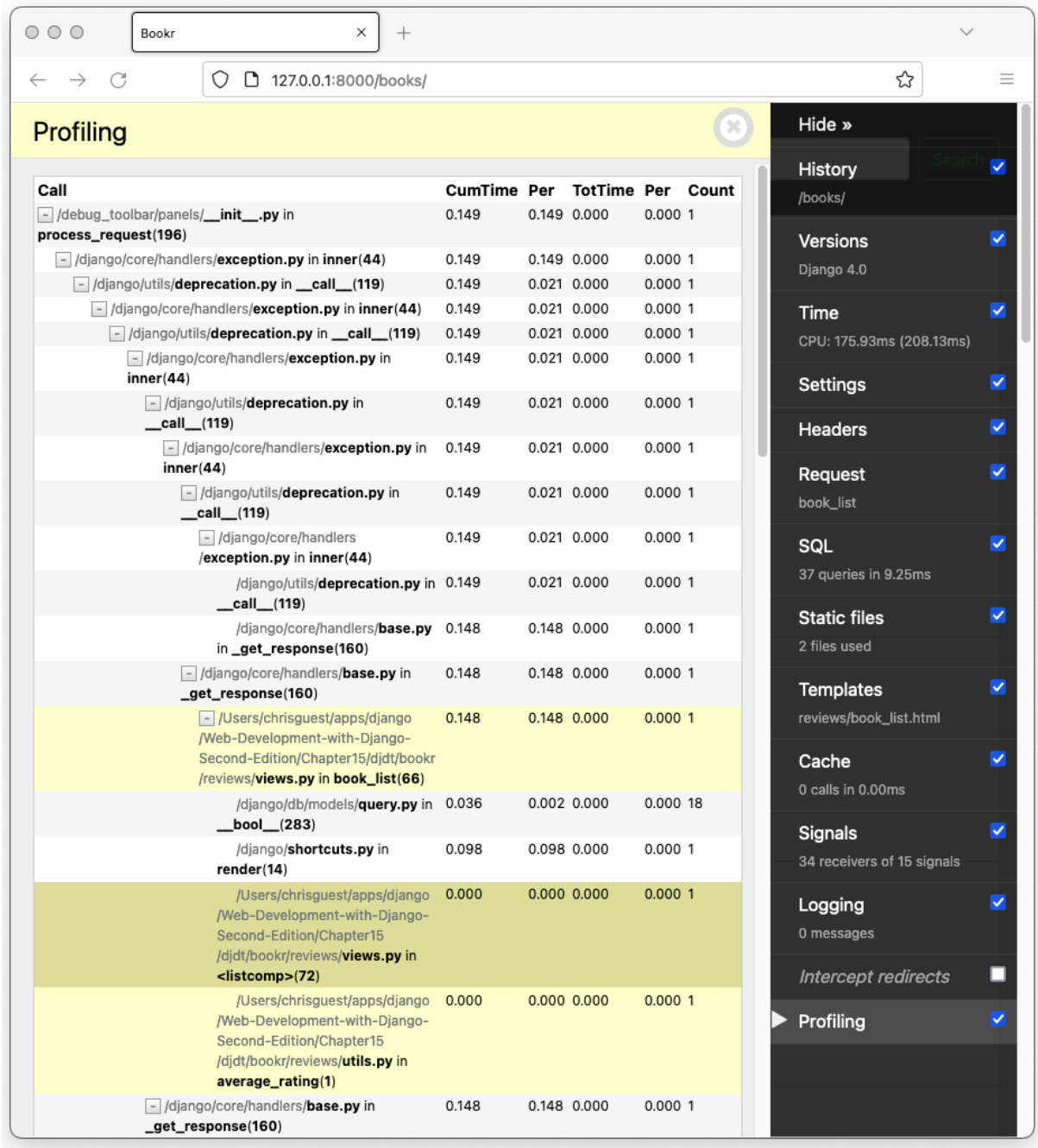

Bookr
127.0.0.1:8000/books/
Templates (3 rendered)
Template path
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/templates
Templates
reviews/book_list.html
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/reviews/templates/reviews/book_list.html
▸ Toggle context
reviews/base.html
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/reviews/templates/reviews/base.html
▸ Toggle context
base.html
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/templates/base.html
▸ Toggle context
Context processors
django.template.context_processors.csrf
▸ Toggle context
django.template.context_processors.debug
▸ Toggle context
django.template.context_processors.request
▸ Toggle context
django.contrib.auth.context_processors.auth
▸ Toggle context
django.contrib.messages.context_processors.messages
▸ Toggle context
Hide »
History
/books/
Versions
Django 4.0
Time
CPU: 90.07ms
(106.61ms)
Settings
Headers
Request
book_list
SQL
37 queries in 7.53ms
Static files
2 files used
Templates
reviews/book_list.html
Cache
0 calls in 0.00ms
Signals


Bookr
127.0.0.1:8000/books/
Cache calls from 1 backend
Summary
Total calls
Total time
Cache hits
Cache misses
0
0 ms
0
0
Commands
add get set get_or_set touch delete clear get_many set_many delete_many has_key
0 0 0 0 0 0 0 0 0 0 0
2 files used
Templates
reviews/book_list.html
Cache
0 calls in 0.00ms
Signals
34 receivers of 15 signals
Logging
0 messages
Intercept redirects
Profiling


Bookr
127.0.0.1:8000/books/
Signals
Signal
Receivers
class_prepared
connection_created
got_request_exception
m2m_changed
post_delete
post_init
ImageField.update_dimension_fields
post_migrate
create_permissions, create_contenttypes
post_save
pre_delete
pre_init
pre_migrate
inject_rename_contenttypes_operations
pre_save
request_finished
close_caches, close_old_connections, reset_urlconf
request_started
reset_queries, close_old_connections
setting_changed
reset_cache, clear_cache_handlers, update_installed_apps, update_connections_time_zone, clear_routers_cache, reset_template_engines, clear_serializers_cache, language_changed, localize_settings_changed, file_storage_changed, complex_setting_changed, root_urlconf_changed, static_storage_changed, static_finders_changed, auth_password_validators_changed, user_model_swapped, update_toolbar_config, reset_hashers, reload_api_settings, FileSystemStorage._clear_cached_properties, FileSystemStorage._clear_cached_properties, FileSystemStorage._clear_cached_properties, FileSystemStorage._clear_cached_properties, FileSystemStorage._clear_cached_properties, StaticFilesStorage._clear_cached_properties
(106.61ms)
Settings
Headers
Request
book_list
SQL
37 queries in 7.53ms
Static files
2 files used
Templates
reviews/book_list.html
Cache
0 calls in 0.00ms
Signals
34 receivers of 15 signals
Logging
0 messages
Intercept redirects
Profiling


Bookr
127.0.0.1:8000/books/
Log messages
No messages logged.
Cache
0 calls in 0.00ms
Signals
34 receivers of 15 signals
Logging
0 messages
Intercept redirects
Profiling


Django Debug Toolbar Redirects Par
127.0.0.1:8000/books/1
301 Moved Permanently
Location: /books/1/
The Django Debug Toolbar has intercepted a redirect to the above URL for debug viewing purposes. You can click the above link to continue with the redirect as normal.
Cache
0 calls in 0.00ms
Signals
34 receivers of 15 signals
Logging
0 messages
Intercept redirects
Profiling

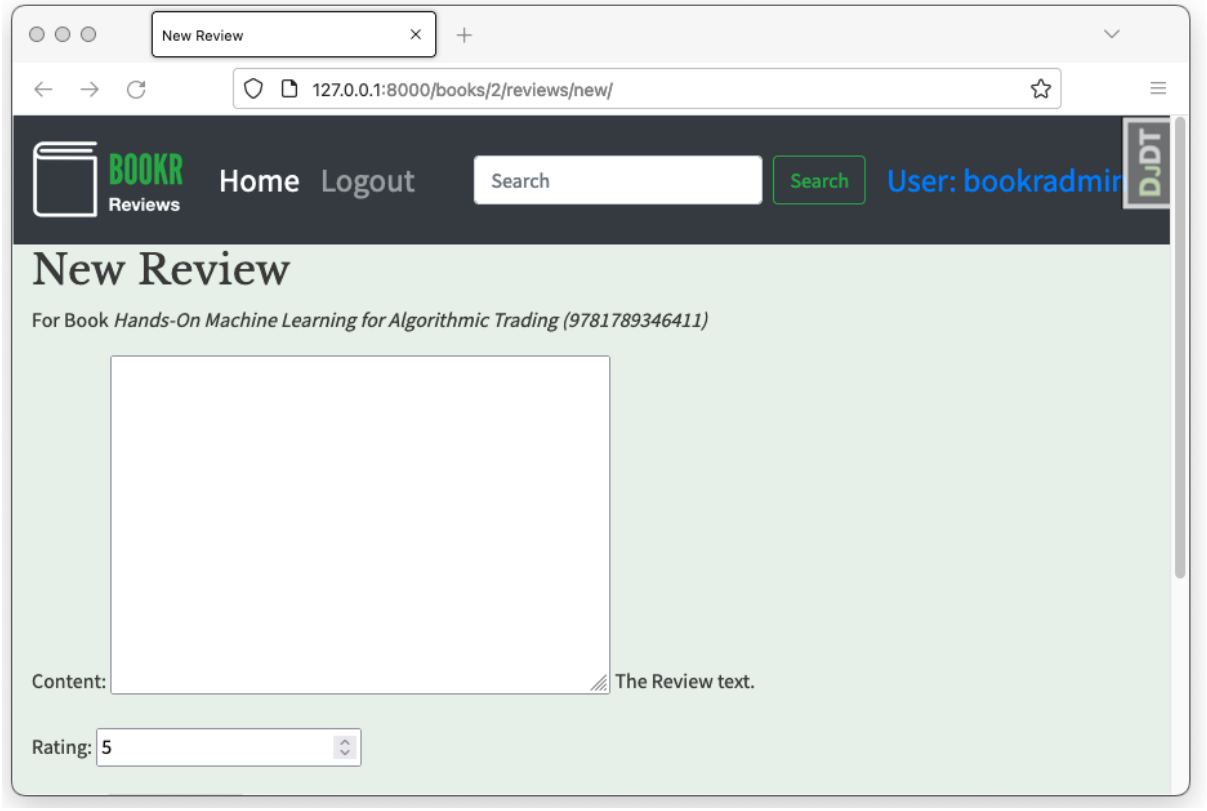


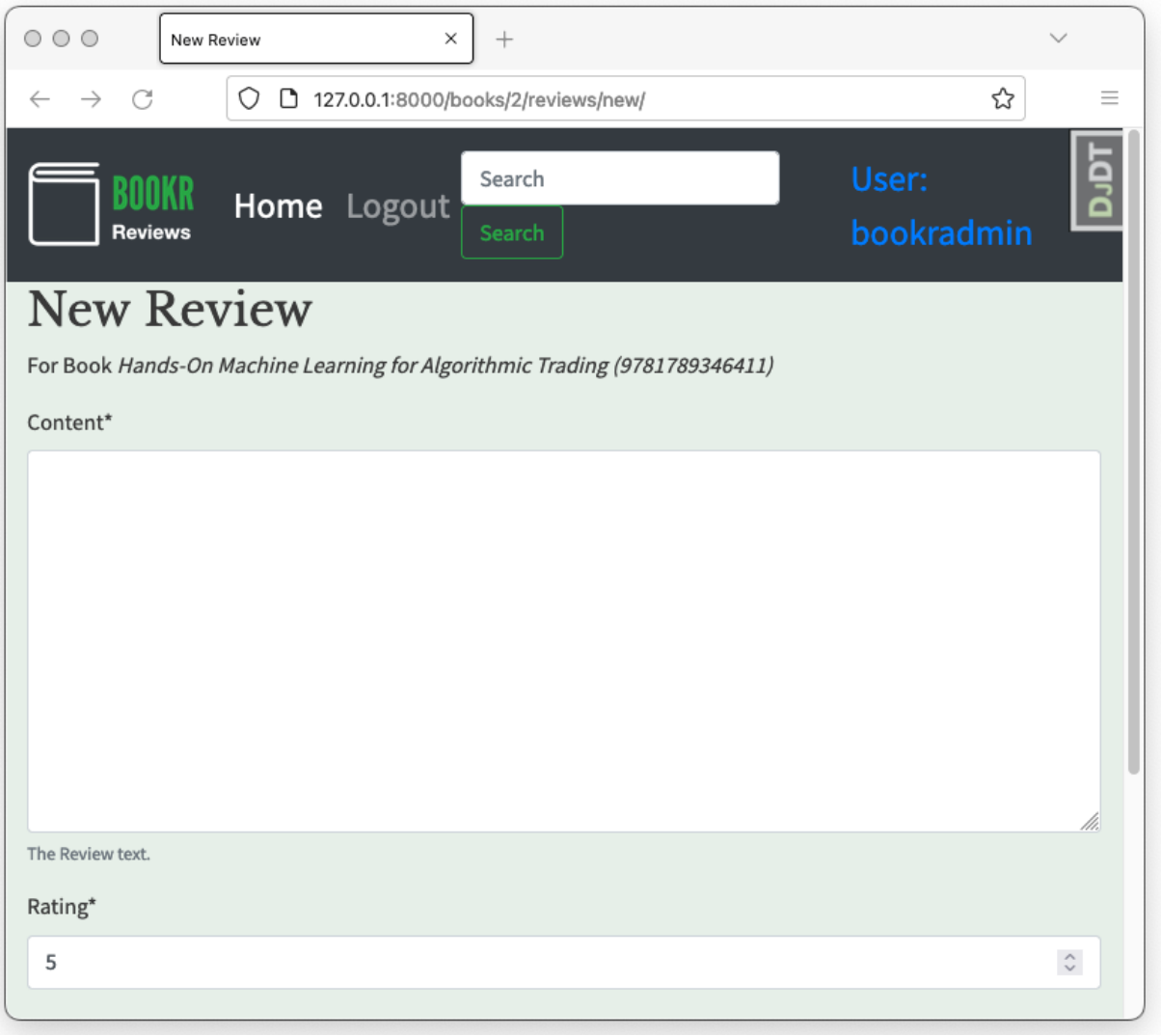
Call	CumTime	Per	TotTime	Per	Count
/debug_toolbar/panels/**__init__.py** in **process_request(196)**	0.149	0.149	0.000	0.000	1
/django/core/handlers/**exception.py** in **inner(44)**	0.149	0.149	0.000	0.000	1
/django/utils/**deprecation.py** in **__call__(119)**	0.149	0.021	0.000	0.000	1
/django/core/handlers/**exception.py** in **inner(44)**	0.149	0.021	0.000	0.000	1
/django/utils/**deprecation.py** in **__call__(119)**	0.149	0.021	0.000	0.000	1
/django/core/handlers/**exception.py** in **inner(44)**	0.149	0.021	0.000	0.000	1
/django/utils/**deprecation.py** in **__call__(119)**	0.149	0.021	0.000	0.000	1
/django/core/handlers/**exception.py** in **inner(44)**	0.149	0.021	0.000	0.000	1
/django/utils/**deprecation.py** in **__call__(119)**	0.149	0.021	0.000	0.000	1
/django/core/handlers/**exception.py** in **inner(44)**	0.149	0.021	0.000	0.000	1
/django/utils/**deprecation.py** in **__call__(119)**	0.149	0.021	0.000	0.000	1
/django/core/handlers/**base.py** in **_get_response(160)**	0.148	0.148	0.000	0.000	1
/django/core/handlers/**base.py** in **_get_response(160)**	0.148	0.148	0.000	0.000	1
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/reviews/**views.py** in **book_list(66)**	0.148	0.148	0.000	0.000	1
/django/db/models/**query.py** in **__bool__(283)**	0.036	0.002	0.000	0.000	18
/django/**shortcuts.py** in **render(14)**	0.098	0.098	0.000	0.000	1
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/reviews/**views.py** in **<listcomp>(72)**	0.000	0.000	0.000	0.000	1
/Users/chrisguest/apps/django/Web-Development-with-Django-Second-Edition/Chapter15/djdt/bookr/reviews/**utils.py** in **average_rating(1)**	0.000	0.000	0.000	0.000	1
/django/core/handlers/**base.py** in **_get_response(160)**	0.148	0.148	0.000	0.000	1

```
(bookr) → bookr pip3 install django-debug-toolbar
Looking in indexes: https://pypi.org/simple, https://token:****@gitlab.com/api/v4/projects/28933584/packages/pypi/simple, https://token:****@gitlab.com/api/v4/projects/20903871/packages/pypi/simple
Collecting django-debug-toolbar
  Downloading django_debug_toolbar-3.8.1-py3-none-any.whl (221 kB)
     |████████████████████████████████| 221 kB 250 kB/s
Requirement already satisfied: sqlparse>=0.2 in /Users/ben/.virtualenvs/bookr/lib/python3.8/site-packages (from django-debug-toolbar) (0.4.2)
Requirement already satisfied: django>=3.2.4 in /Users/ben/.virtualenvs/bookr/lib/python3.8/site-packages (from django-debug-toolbar) (4.0)
Requirement already satisfied: asgiref<4,>=3.4.1 in /Users/ben/.virtualenvs/bookr/lib/python3.8/site-packages (from django>=3.2.4->django-debug-toolbar) (3.4.1)
Requirement already satisfied: backports.zoneinfo; python_version < "3.9" in /Users/ben/.virtualenvs/bookr/lib/python3.8/site-packages (from django>=3.2.4->django-debug-toolbar) (0.2.1)
Installing collected packages: django-debug-toolbar
Successfully installed django-debug-toolbar-3.8.1
```

Search
Search
DjDT

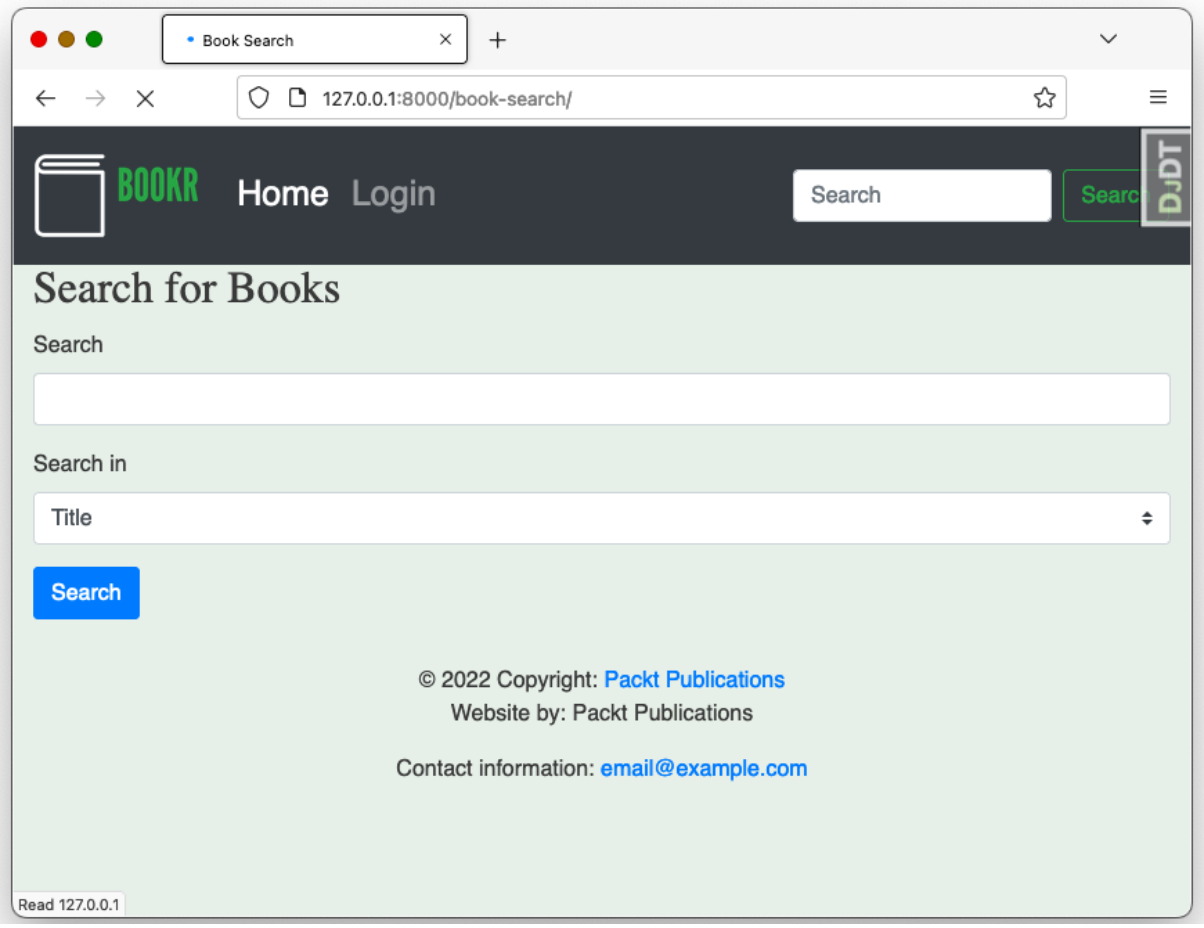
Django Debug Toolbar Redirects Par
127.0.0.1:8000/books/2/reviews/new/
302 Found
Location: /books/2/
The Django Debug Toolbar has intercepted a redirect to the above URL for debug viewing purposes. You can click the above link to continue with the redirect as normal.
DjDT

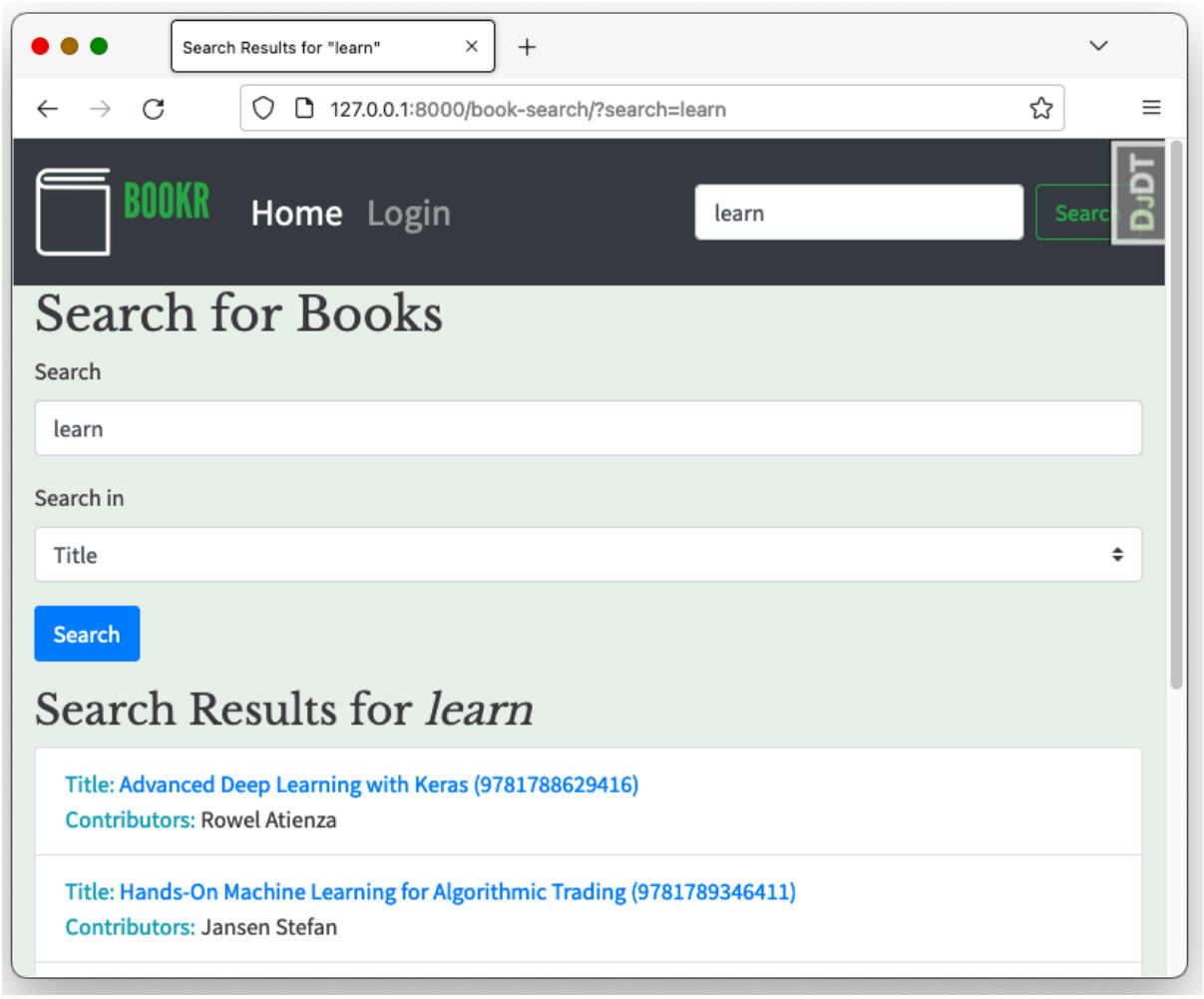

New Review
127.0.0.1:8000/books/2/reviews/new/
BOOKR
Reviews
Home
Logout
Search
Search
User: bookradmin
DjDT
New Review
For Book Hands-On Machine Learning for Algorithmic Trading (9781789346411)
Content:
The Review text.
Rating: 5

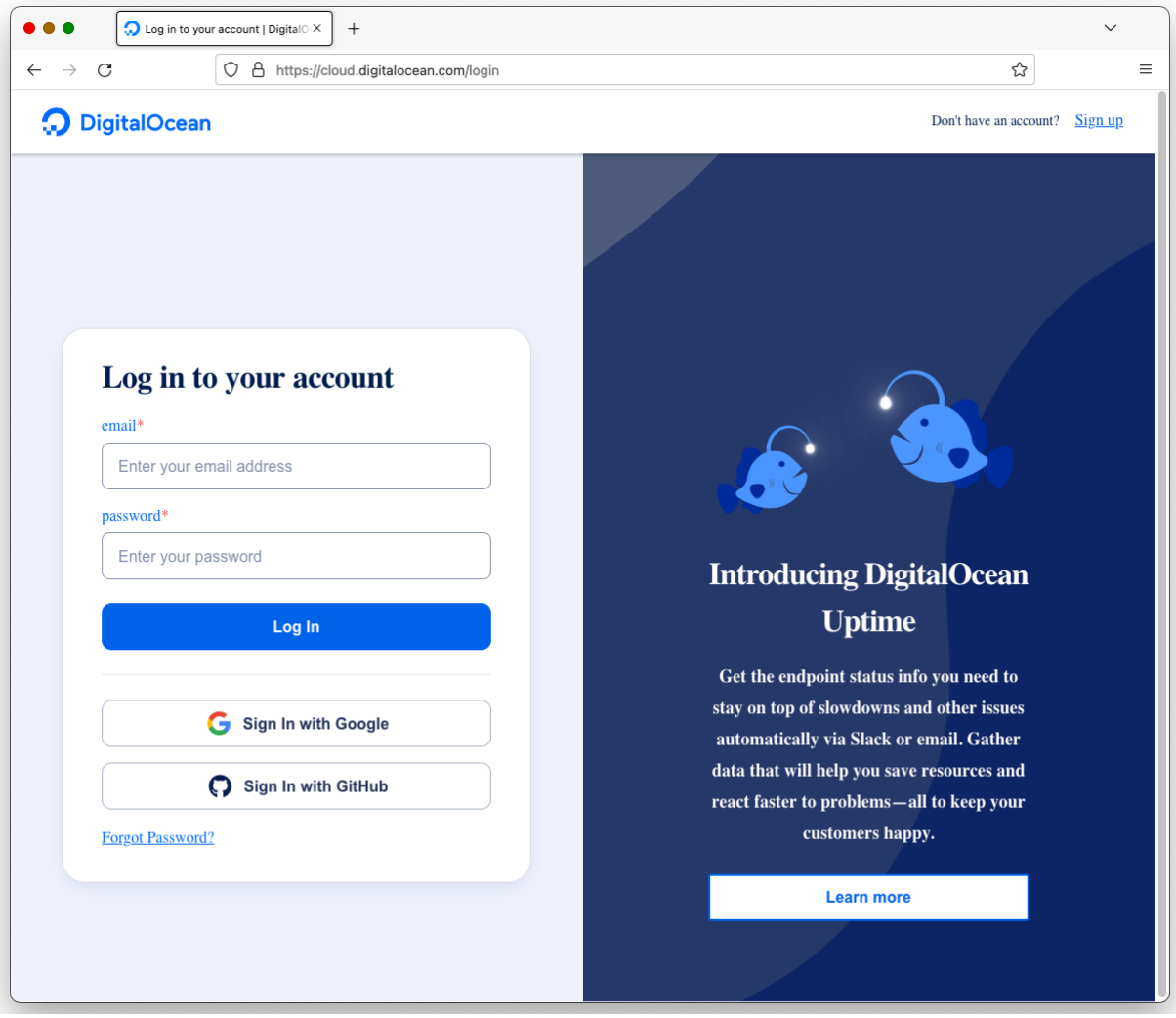


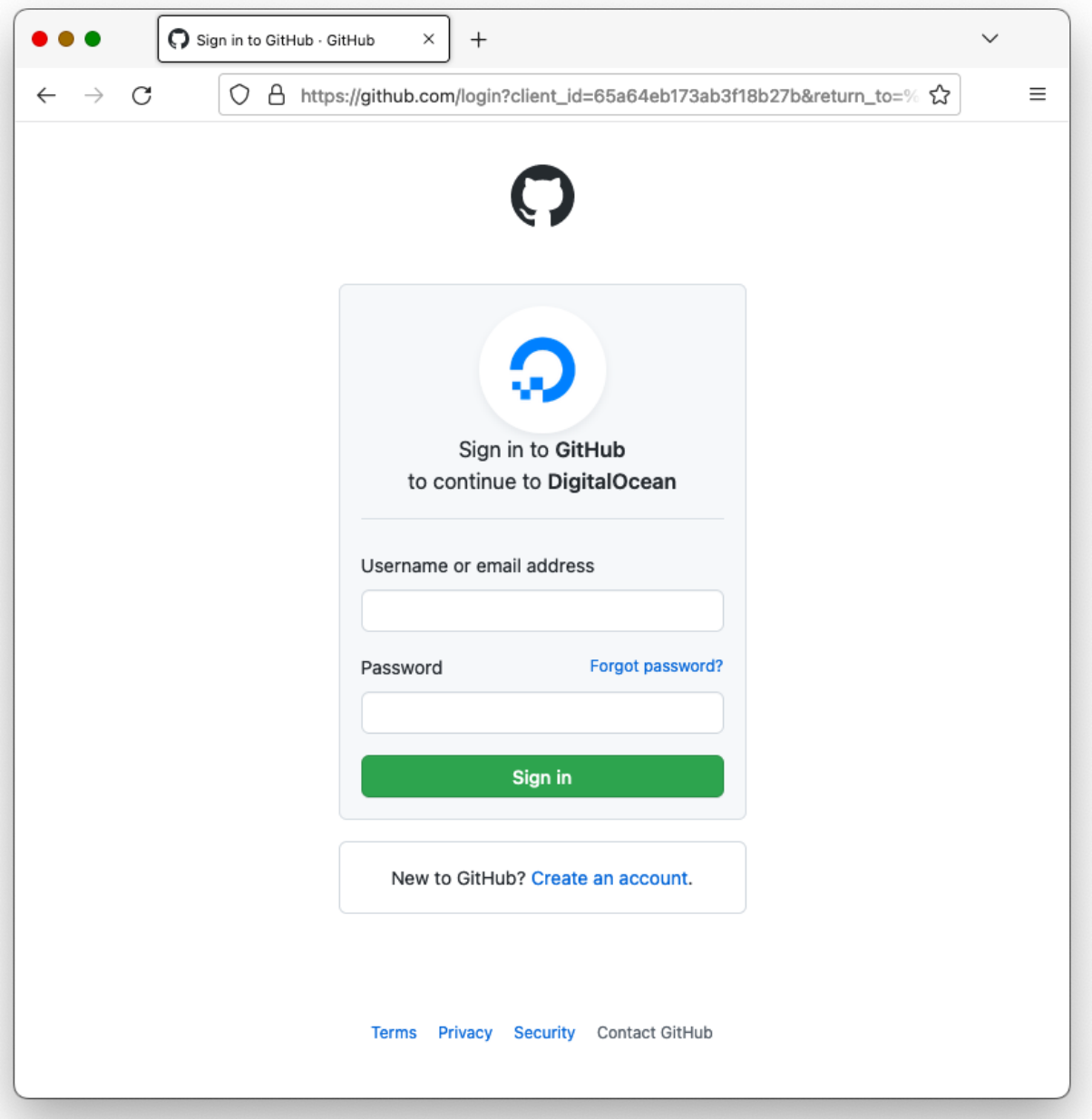

```
(bookr) → bookr pip install django-crispy-forms
Collecting django-crispy-forms
  Using cached django_crispy_forms-1.14.0-py3-none-any.whl (133 kB)
Installing collected packages: django-crispy-forms
Successfully installed django-crispy-forms-1.14.0
```

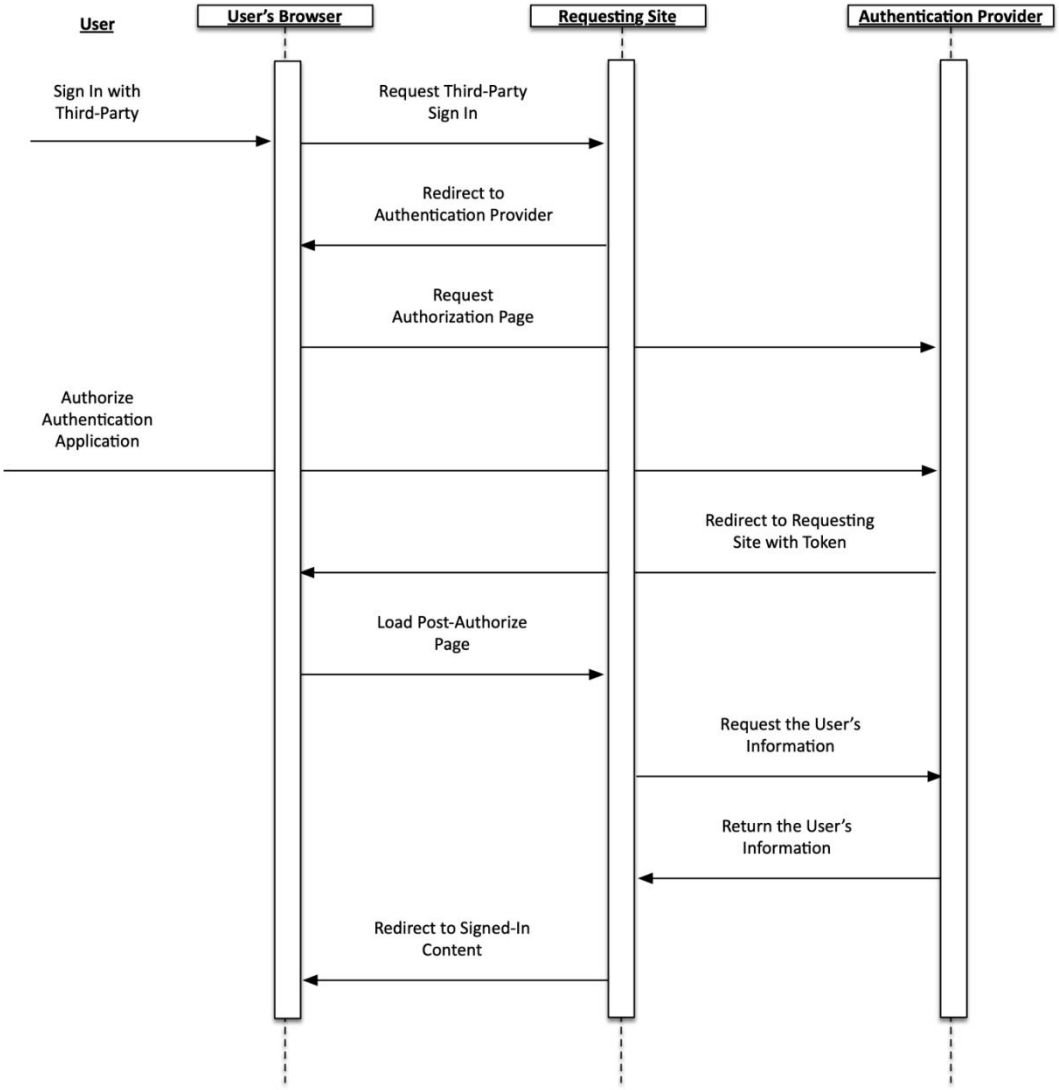
```
{% block content %}
<h2>Search for Books</h2>
{% crispy form %}
{% if form.is_valid and search_text %}
<h3>Search Results for <em>{{ search_text }}</em></h3>
```


Book Search
127.0.0.1:8000/book-search/
BOOKR
Home
Login
Search
Search
DjDT
Search for Books
Search
Search in
Title
Search
© 2022 Copyright: Packt Publications
Website by: Packt Publications
Contact information: email@example.com
Read 127.0.0.1


Search Results for "learn"
127.0.0.1:8000/book-search/?search=learn
BOOKR
Home
Login
learn
Search
DjDT
Search for Books
Search
learn
Search in
Title
Search
Search Results for learn
Title: Advanced Deep Learning with Keras (9781788629416)
Contributors: Rowel Atienza
Title: Hands-On Machine Learning for Algorithmic Trading (9781789346411)
Contributors: Jansen Stefan


Log in to your account | DigitalO
https://cloud.digitalocean.com/login
DigitalOcean
Don't have an account? Sign up
Log in to your account
email*
Enter your email address
password*
Enter your password
Log In
Sign In with Google
Sign In with GitHub
Forgot Password?
Introducing DigitalOcean Uptime
Get the endpoint status info you need to stay on top of slowdowns and other issues automatically via Slack or email. Gather data that will help you save resources and react faster to problems—all to keep your customers happy.
Learn more


Sign in to GitHub · GitHub
https://github.com/login?client_id=65a64eb173ab3f18b27b&return_to=%
Sign in to GitHub
to continue to DigitalOcean
Username or email address
Password
Forgot password?
Sign in
New to GitHub? Create an account.
Terms
Privacy
Security
Contact GitHub


User
User's Browser
Requesting Site
Authentication Provider
Sign In with Third-Party
Request Third-Party Sign In
Redirect to Authentication Provider
Request Authorization Page
Authorize Authentication Application
Redirect to Requesting Site with Token
Load Post-Authorize Page
Request the User's Information
Return the User's Information
Redirect to Signed-In Content

Add social application

Provider: GitHub

Name:

Client id:

App ID, or consumer key

Secret key:

API secret, client secret, or consumer secret

Key:

Key

Sites:

Available sites

Filter

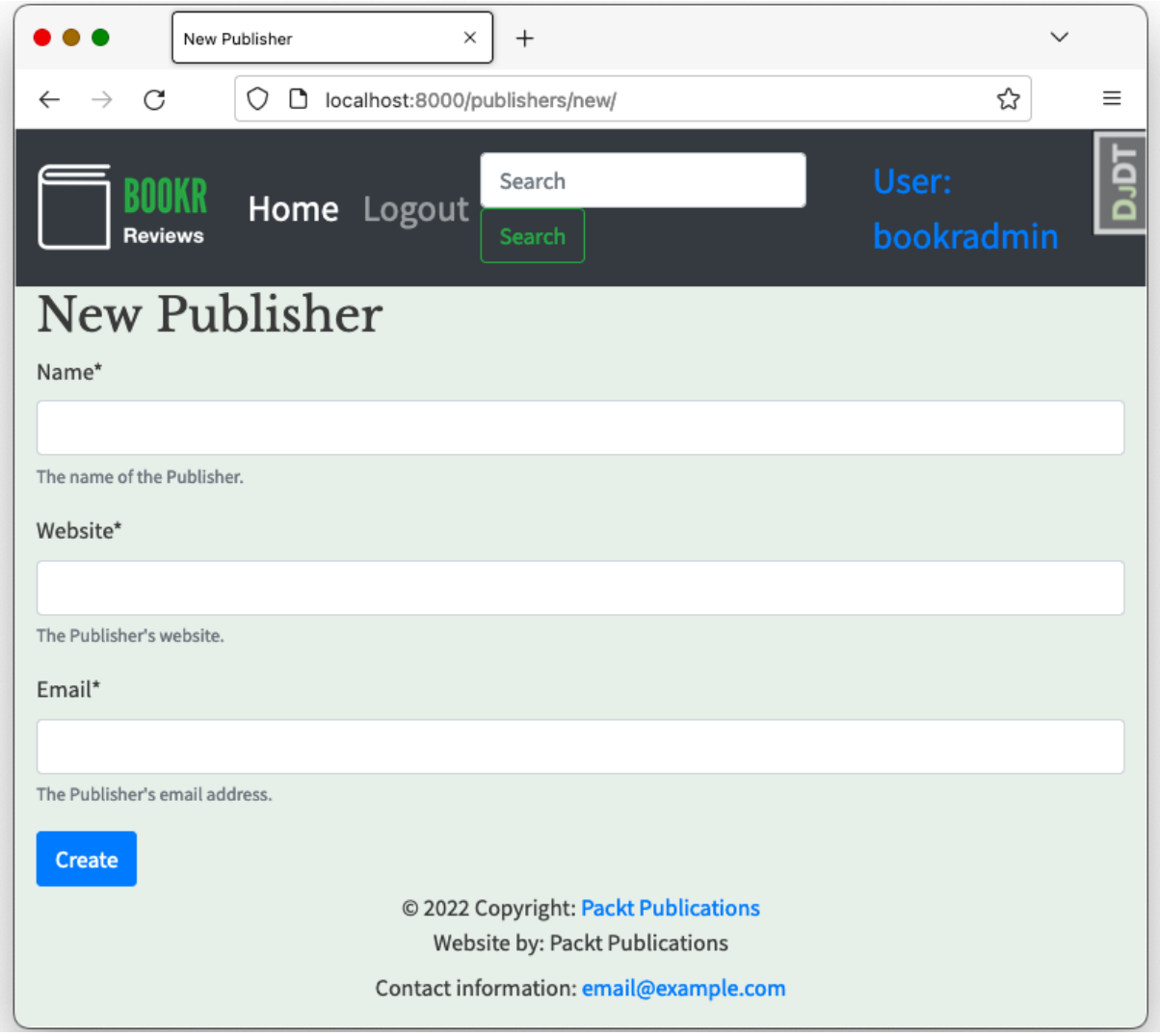
example.com

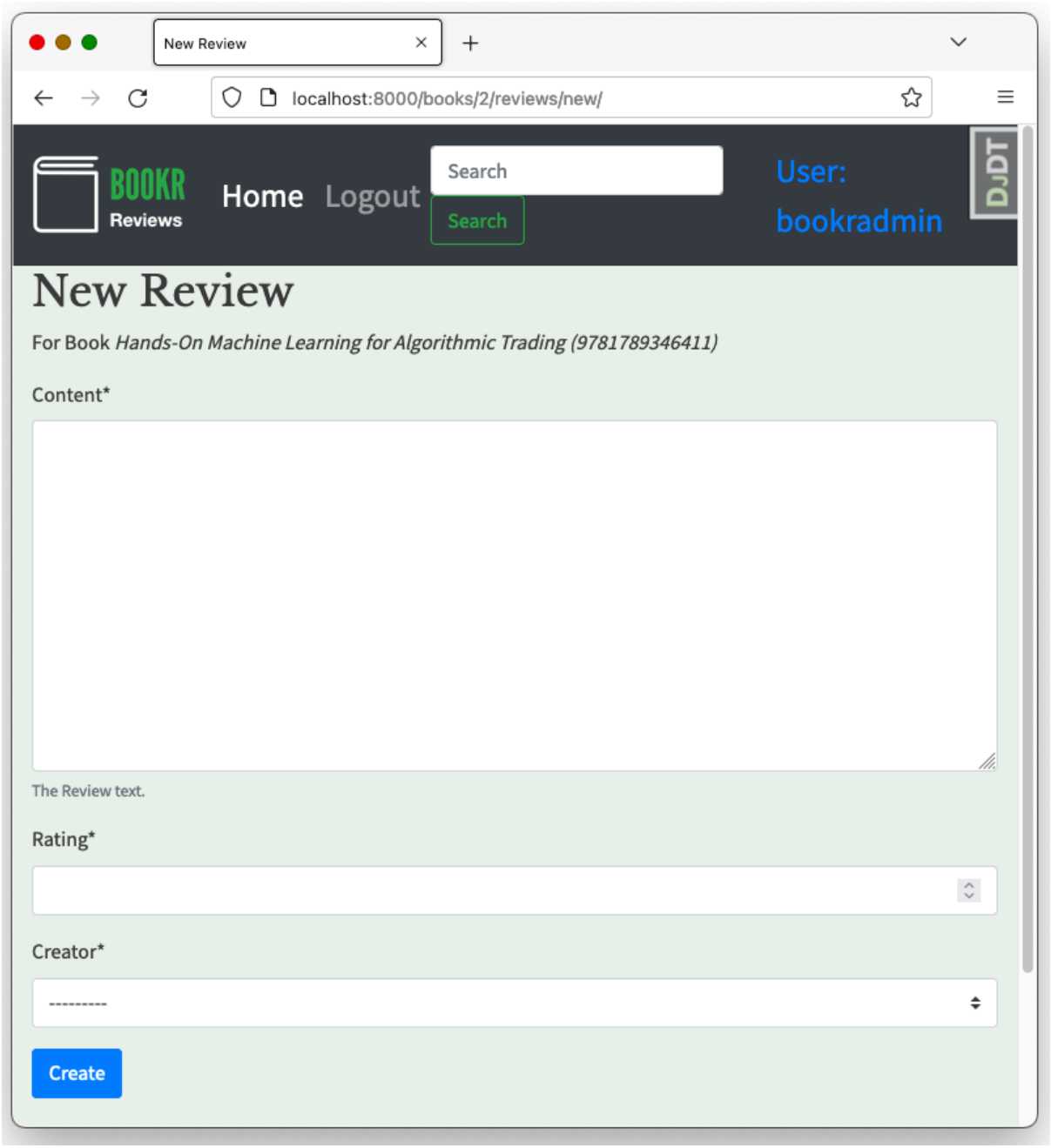
Chosen sites

Remove all

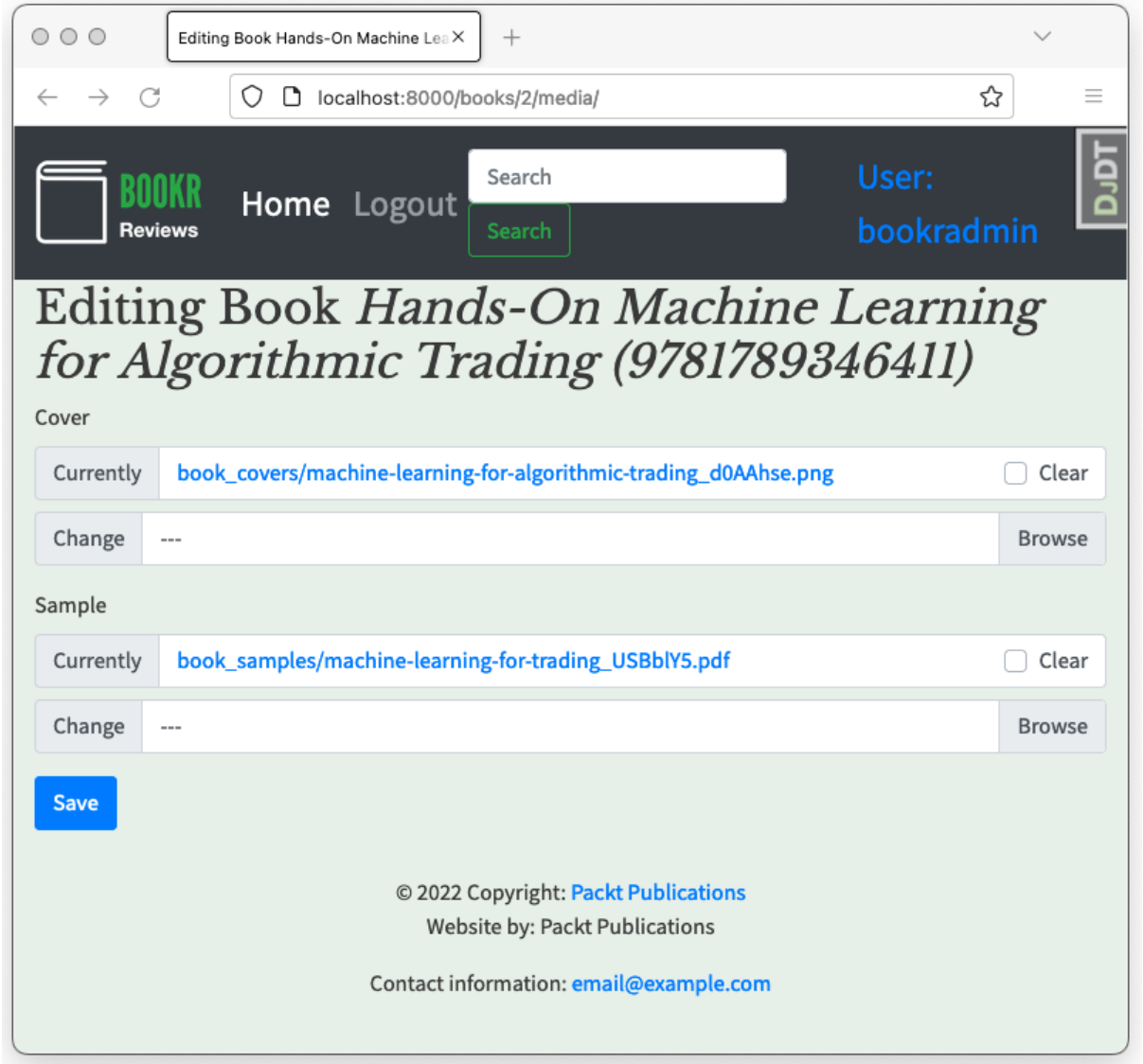
Choose all

Hold down "Control", or "Command" on a Mac, to select more than one.


New Publisher
localhost:8000/publishers/new/
BOOKR
Reviews
Home
Logout
Search
Search
User:
bookradmin
DjDT
New Publisher
Name*
The name of the Publisher.
Website*
The Publisher's website.
Email*
The Publisher's email address.
Create
© 2022 Copyright: Packt Publications
Website by: Packt Publications
Contact information: email@example.com


New Review
localhost:8000/books/2/reviews/new/
BOOKR
Reviews
Home
Logout
Search
Search
User:
bookradmin
DjDT
New Review
For Book Hands-On Machine Learning for Algorithmic Trading (9781789346411)
Content*
The Review text.
Rating*
Creator*

Create


Editing Book Hands-On Machine Lea
localhost:8000/books/2/media/
BOOKR
Reviews
Home
Logout
Search
Search
User:
bookradmin
DJDT
Editing Book Hands-On Machine Learning for Algorithmic Trading (9781789346411)
Cover
Currently
book_covers/machine-learning-for-algorithmic-trading_d0AAhse.png
Clear
Change

Browse
Sample
Currently
book_samples/machine-learning-for-trading_USBblY5.pdf
Clear
Change

Browse
Save
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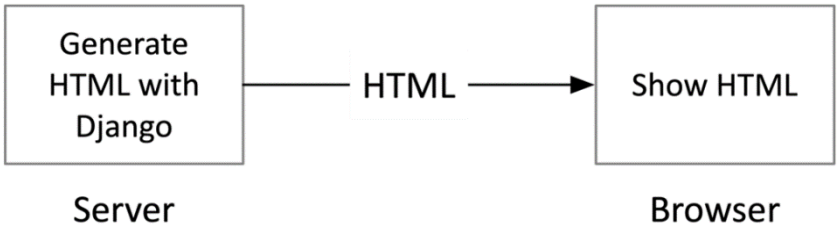
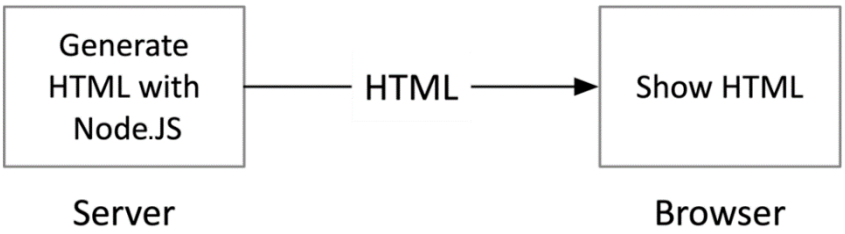
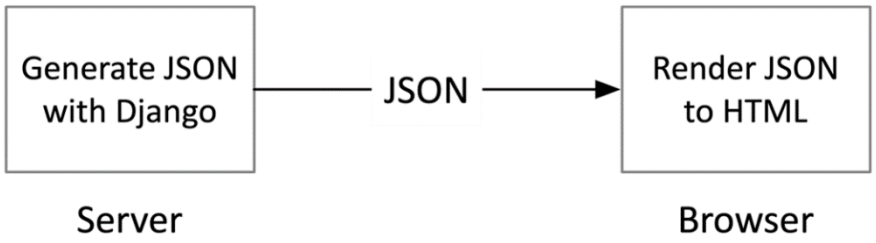
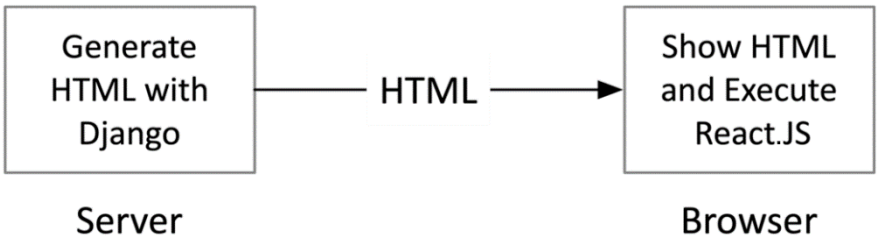
Contact information: email@example.com

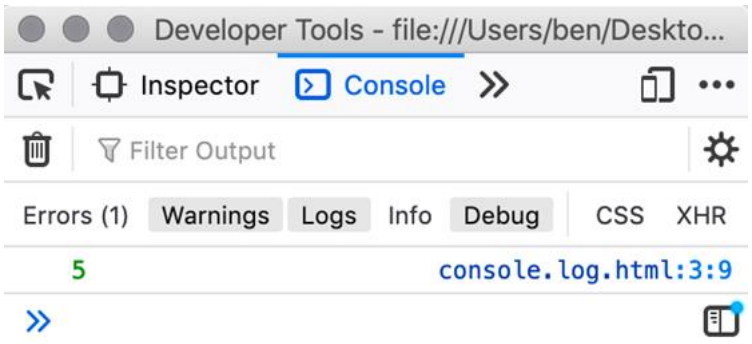
Chapter 16: Using a Frontend JavaScript Library with Django







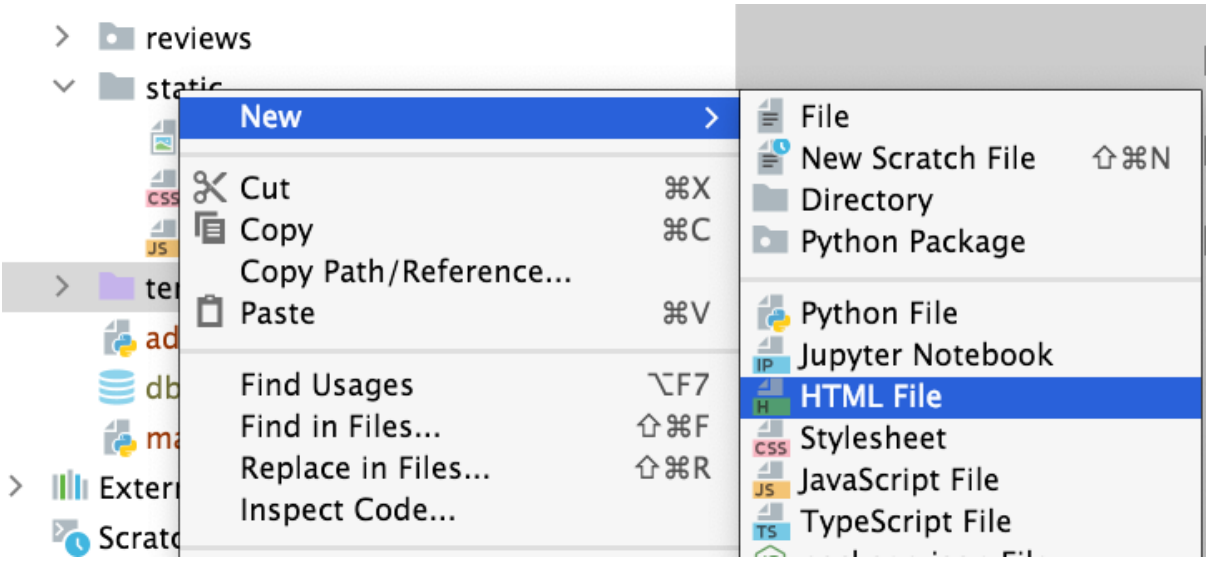


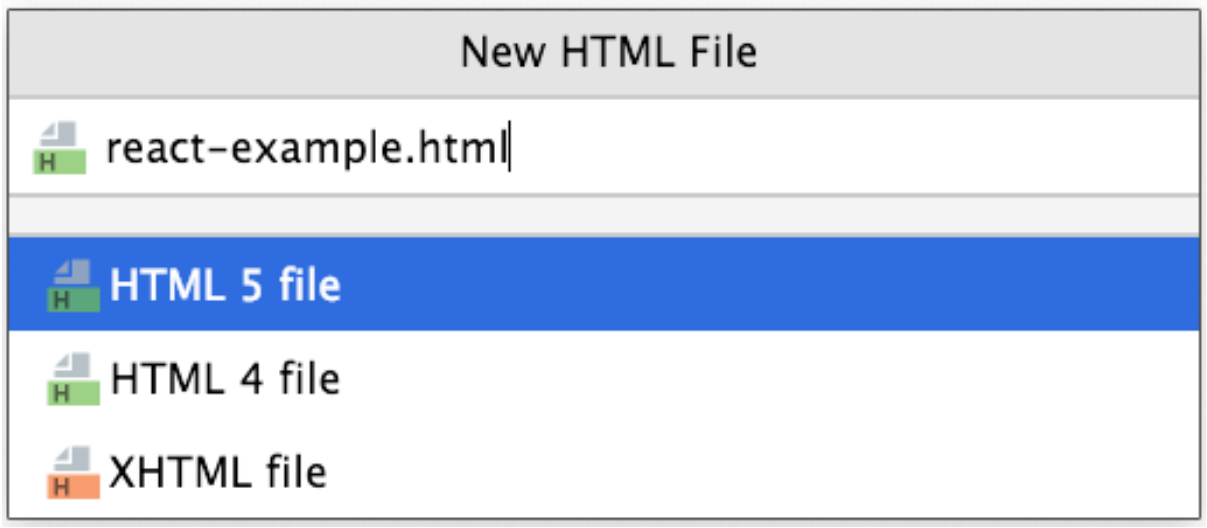


React Example
localhost:8000/react-example/
0
DJDT

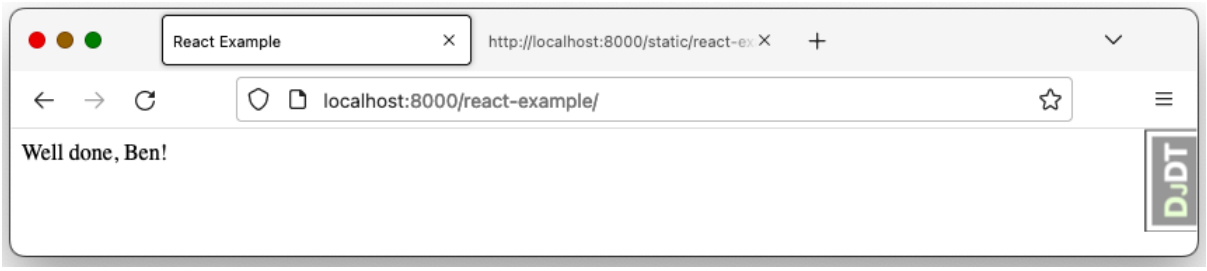
React Example
localhost:8000/react-example/
7
DJDT

React Example
localhost:8000/react-example/
<button>0</button>
DJDT


reviews
static
New
Cut ⌘X
Copy ⌘C
Copy Path/Reference...
Paste ⌘V
Find Usages ⌥F7
Find in Files... ⇧⌘F
Replace in Files... ⇧⌘R
Inspect Code...
File
New Scratch File ⇧⌘N
Directory
Python Package
Python File
Jupyter Notebook
HTML File
Stylesheet
JavaScript File
TypeScript File




```
<!DOCTYPE html>
{% load static %}
<html lang="en">
<head>
```



```
▼ Response
  ▶ body: ReadableStream { locked: false }
    bodyUsed: false
  ▶ headers: Headers {  }
    ok: true
    redirected: false
    status: 200
    statusText: "OK"
    type: "basic"
    url: "http://127.0.0.1:8000/api/books/"
  ▶ <prototype>: ResponsePrototype { clone: clone(), arrayBuffer: arrayBuffer(), blob:
  blob(), … }
```

```
▼ (18) […]
  ▶ 0: Object { title: "Advanced Deep Learning with Keras", publication_date: "2018-10-31",
  isbn: "9781788629416", … }
  ▶ 1: Object { title: "Hands-On Machine Learning for Algorithmic Trading",
  publication_date: "2018-12-31", isbn: "9781789346411", … }
  ▶ 2: Object { title: "Architects of Intelligence", publication_date: "2018-11-23", isbn:
  "9781789954531", … }
  ▶ 3: Object { title: "Deep Reinforcement Learning Hands-On", publication_date:
  "2018-06-20", isbn: "9781788834247", … }
  ▶ 4: Object { title: "Natural Language Processing with TensorFlow", publication_date:
  "2018-05-30", isbn: "9781788478311", … }
  ▶ 5: Object { title: "Hands-On Reinforcement Learning with Python", publication_date:
  "2018-06-27", isbn: "9781788836524", … }
  ▶ 6: Object { title: "Brave New World", publication_date: "2006-10-18", isbn:
  "9780060850524", … }
  ▶ 7: Object { title: "The Grapes of Wrath", publication_date: "2006-03-28", isbn:
  "9780143039433", … }
  ▶ 8: Object { title: "For Whom The Bell Tolls", publication_date: "2019-07-16", isbn:
  "9781476787770", … }
  ▶ 9: Object { title: "To Kill A Mocking Bird", publication_date: "2002-01-01", isbn:
  "9780060935467", … }
  ▶ 10: Object { title: "The Great Gatsby", publication_date: "2004-09-30", isbn:
  "9780743273565", … }
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  "9781451673319", … }
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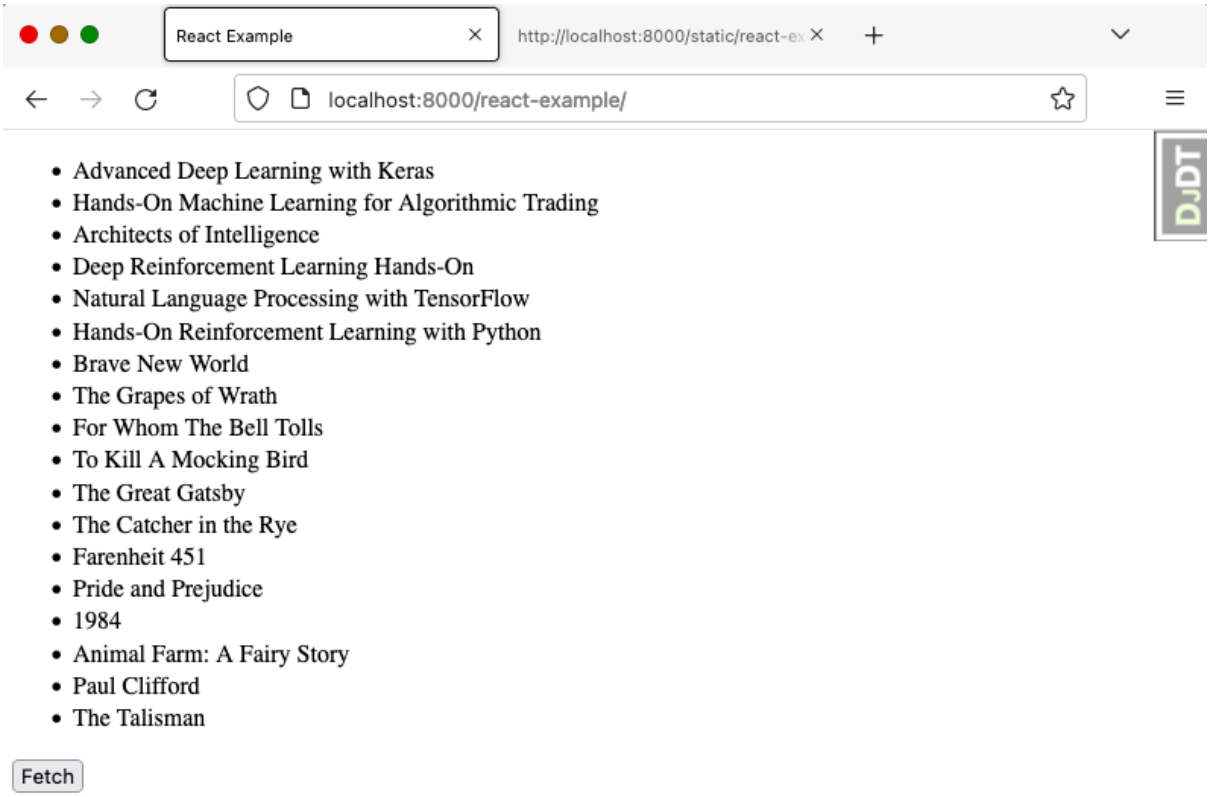
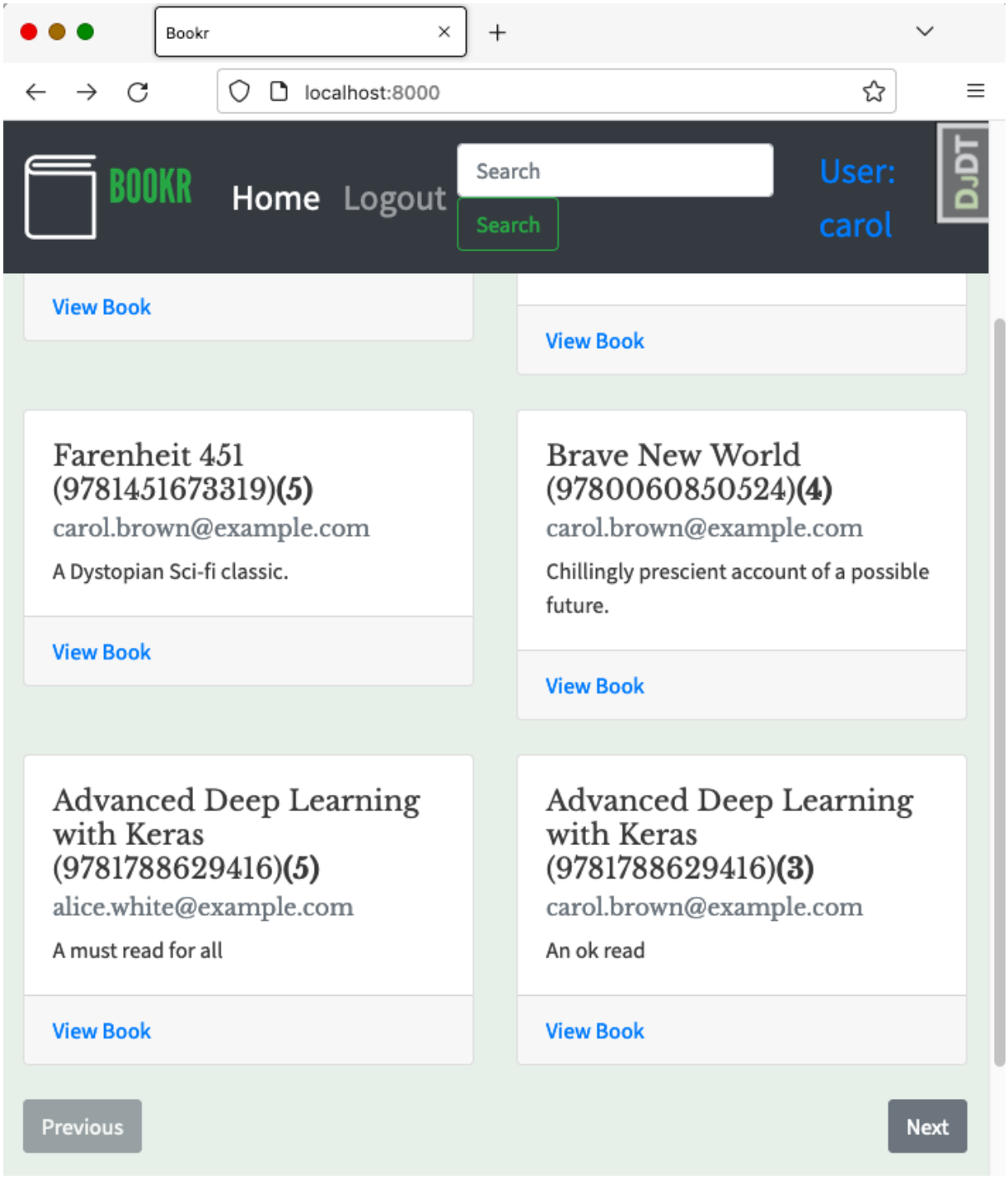
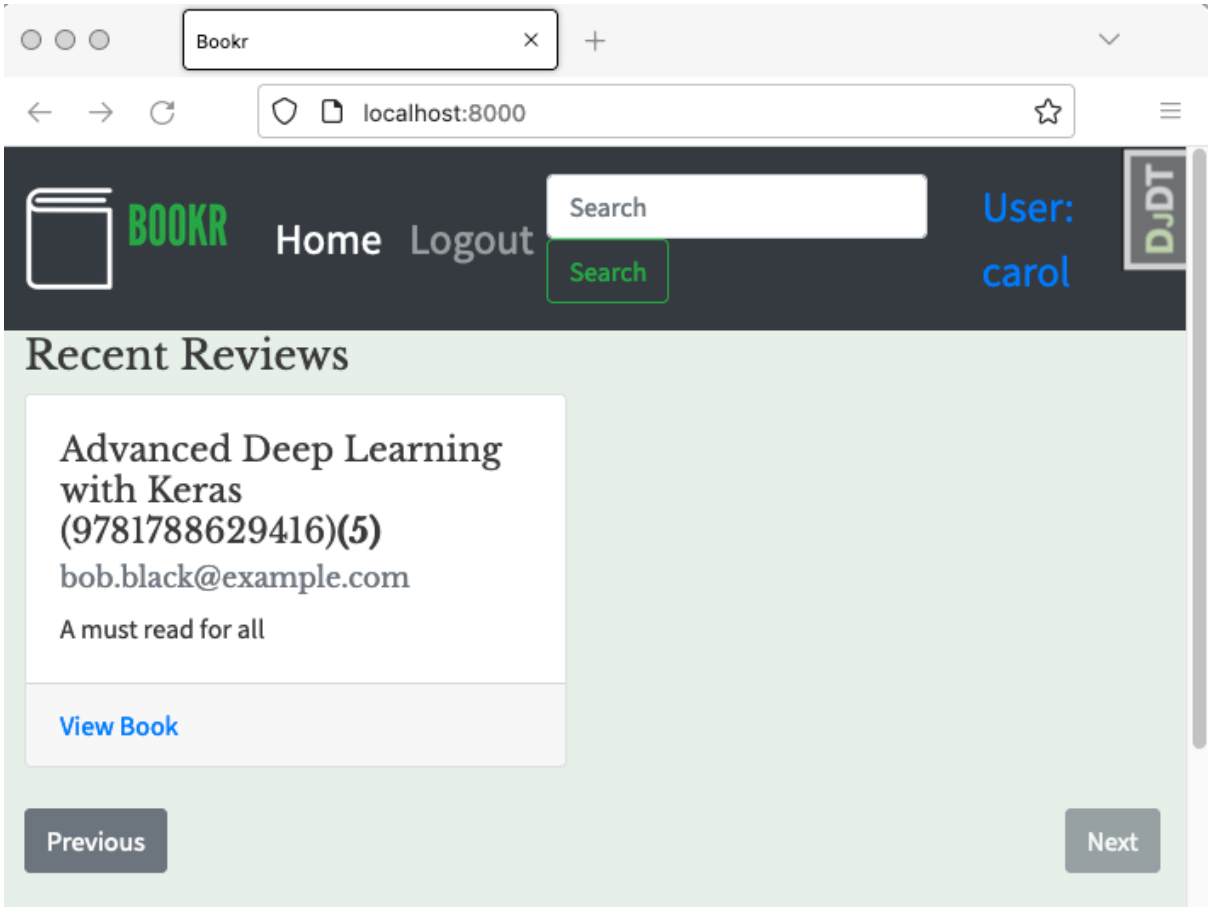

React Example
http://localhost:8000/static/react-ex
localhost:8000/react-example/
DJDT
Advanced Deep Learning with Keras
Hands-On Machine Learning for Algorithmic Trading
Architects of Intelligence
Deep Reinforcement Learning Hands-On
Natural Language Processing with TensorFlow
Hands-On Reinforcement Learning with Python
Brave New World
The Grapes of Wrath
For Whom The Bell Tolls
To Kill A Mocking Bird
The Great Gatsby
The Catcher in the Rye
Farenheit 451
Pride and Prejudice
1984
Animal Farm: A Fairy Story
Paul Clifford
The Talisman
Fetch


Bookr
localhost:8000
BOOKR
Home
Logout
Search
Search
User:
carol
DJDT
View Book
View Book
Farenheit 451 (9781451673319)(5)
carol.brown@example.com
A Dystopian Sci-fi classic.
View Book
Brave New World (9780060850524)(4)
carol.brown@example.com
Chillingly prescient account of a possible future.
View Book
Advanced Deep Learning with Keras (9781788629416)(5)
alice.white@example.com
A must read for all
View Book
Advanced Deep Learning with Keras (9781788629416)(3)
carol.brown@example.com
An ok read
View Book
Previous
Next


Bookr
localhost:8000
BOOKR
Home
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Search
Search
User:
carol
DjDT
Recent Reviews
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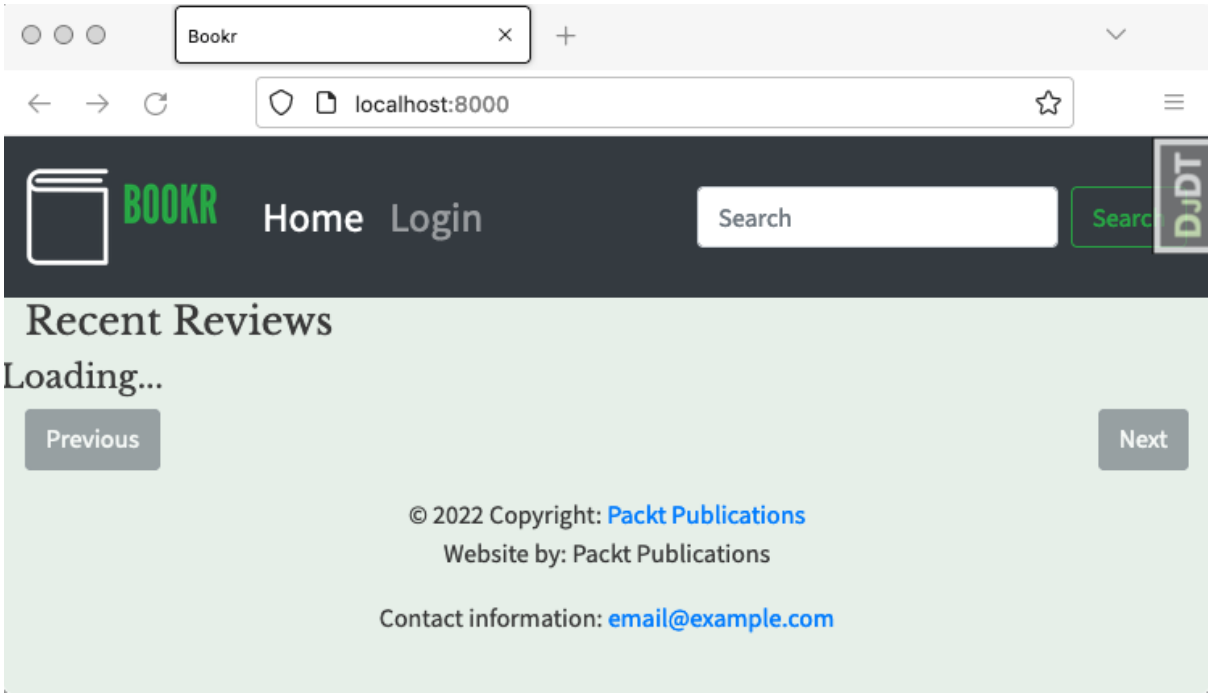
bob.black@example.com
A must read for all
View Book
Previous
Next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Search
DjDT
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Next
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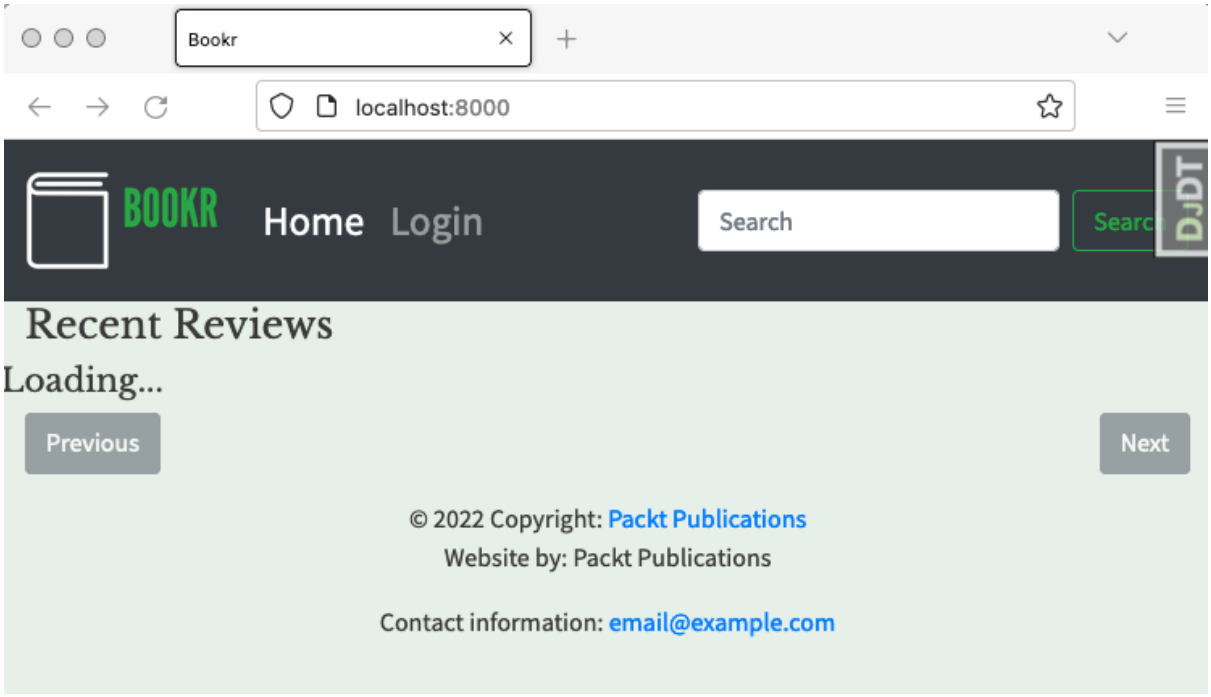
Contact information: email@example.com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